

# Amphenol RF Europe

勝特力電材超市-龍山店 886-3-5773766  
勝特力電材超市-光復店 886-3-5729570  
勝特力電子(上海) 86-21-34970699  
勝特力電子(深圳) 86-755-83298787  
<http://www.100y.com.tw>

RF/Microwave  
Coaxial Connectors



## Cable Applicable Cables Group

|     |                                                                                                       |
|-----|-------------------------------------------------------------------------------------------------------|
| 01  | 141/ 303/ 58/ 58A/ B7806A/ LMR195/ KX15/<br>M17-28/ L190-16/ L910-30                                  |
| 01A | 142/ 142A/ 142B/ 223/ 400/ 55/ M17-84/ KX23                                                           |
| 01B | B7807A/ LMR200                                                                                        |
| 02  | 122/ 58 Plenum/ 58 Thinnet/ B88240/ B89907                                                            |
| 03  | 140/ 210/ 59/ 59A/ 59B/ 62/ 62A/ M17-30/ KX30/<br>M17-29/ KX25/ KX52/ KX53/ KX61/ L910-12/<br>L910-13 |
| 03A | 59-20AWG                                                                                              |
| 04  | 59 Plenum                                                                                             |
| 04A | 59 Plenum-20AWG                                                                                       |
| 05  | 174/ 188/ 188A/ 316/ B7805A/ KX3/ KX22/<br>M17-113/ M17-119                                           |
| 05A | 316 Double Braided                                                                                    |
| 06  | 179/ 179A/ 179B/ 187/ 187A/ B9221/ M17-94/<br>L910-22/ KX55                                           |
| 06A | 179 Double Braided                                                                                    |
| 07  | 213/ 393/ 8/ 8A/ KX4                                                                                  |
| 07A | 241/ KX13                                                                                             |
| 07B | 8X/ B7808A/ LMR240                                                                                    |
| 07C | B7810A/ B8214/ B9913/ LMR400                                                                          |
| 07D | B89913                                                                                                |
| 07E | 11/11A                                                                                                |
| 07F | 11-14AWG/ B1859A/ B7731/ B8213/ B9292/ KX8                                                            |
| 08  | 143/ 212/ 6/ KX50/ KX51/ L910-8                                                                       |
| 08A | B1694A/ B9248                                                                                         |
| 08B | 6 Plenum/ B1695A                                                                                      |
| 09  | B8227/ B89207                                                                                         |
| 10  | .141 semi rigid/ RG402/ KS52                                                                          |
| 11  | .085 semi rigid/ 405/ KS51                                                                            |
| 12  | .250 semi rigid                                                                                       |
| 13  | .047 semi rigid                                                                                       |
| 14  | 178/ 178A/ 178B/ 196/ 196A                                                                            |
| 15  | B8281/ B9141/ B9231                                                                                   |
| 15A | B88281                                                                                                |
| 16  | 180/ 180A/ 195/ B1855/ B1865A/ B8218/<br>M17-95/ L910-19/ FLEX3                                       |
| 16A | BT3002/ L910-34/ L910-39                                                                              |
| 17  | LMR600                                                                                                |
| 18  | AT&T734A/ B1505A                                                                                      |
| 19  | AT&T735A/ B735A1                                                                                      |
| 20  | ST212/1/ ST212/2                                                                                      |
| 21  | ST214/1/ ST214/2                                                                                      |
| 22  | FLEX 5/75                                                                                             |
| 23  | RA7000                                                                                                |
| 24  | Mini-Coax (2mm)                                                                                       |
| 25  | BT2003/ TR-SP109/ Suhner 2SPTT6010                                                                    |

See page 219 for coaxial crimp tools

| Applicable<br>Cables | Cable<br>Group |
|----------------------|----------------|
| .047 semi rigid      | 13             |
| .085 semi rigid      | 11             |
| .141 semi rigid      | 10             |
| .250 semi rigid      | 12             |
| 6                    | 08             |
| 6 Plenum             | 08B            |
| 8                    | 07             |
| 8A                   | 07             |
| 8X                   | 07B            |
| 11                   | 07E            |
| 11-14AWG             | 07F            |
| 11A                  | 07E            |
| 55                   | 01A            |
| 58                   | 01             |
| 58 Plenum            | 02             |
| 58 Thinnet           | 02             |
| 58A                  | 01             |
| 58C                  | 01             |
| 59                   | 03             |
| 59A                  | 03             |
| 59B                  | 03             |
| 59-20AWG             | 03A            |
| 59 Plenum            | 04             |
| 59 Plenum-20AWG      | 04A            |
| 62                   | 03             |
| 62A                  | 03             |
| 122                  | 02             |
| 140                  | 03             |
| 141                  | 01             |
| 142                  | 01A            |
| 142A                 | 01A            |
| 142B                 | 01A            |
| 143                  | 08             |
| 174                  | 05             |
| 178                  | 14             |
| 178A                 | 14             |
| 178B                 | 14             |
| 179                  | 06             |
| 179A                 | 06             |
| 179B                 | 06             |
| 179 Double Braided   | 06A            |
| 180                  | 16             |
| 180A                 | 16             |
| 187                  | 06             |
| 187A                 | 06             |
| 188                  | 05             |
| 188A                 | 05             |
| 195                  | 16             |
| 196                  | 14             |
| 196A                 | 14             |
| 210                  | 03             |
| 212                  | 08             |
| 213                  | 07             |
| 214                  | 07A            |
| 223                  | 01A            |
| 303                  | 01             |
| 316                  | 05             |
| 316 Double Braided   | 05A            |
| 393                  | 07             |
| 400                  | 01A            |
| 405                  | 11             |
| AT&T734A             | 18             |
| AT&T735A             | 19             |
| B1505A               | 18             |
| B1694A               | 08A            |
| B1695A               | 08B            |
| B1855                | 16             |
| B1859A               | 07F            |
| B1865A               | 16             |
| B735A1               | 19             |
| B7731                | 07F            |
| B7805A               | 05             |

| Applicable<br>Cables | Cable<br>Group |
|----------------------|----------------|
| B7806A               | 01             |
| B7807A               | 01B            |
| B7808A               | 07B            |
| B7810A               | 07C            |
| B8213                | 07F            |
| B8214                | 07C            |
| B8218                | 16             |
| B8227                | 09             |
| B8281                | 15             |
| B88240               | 02             |
| B88281               | 15A            |
| B89207               | 09             |
| B89907               | 02             |
| B89913               | 07D            |
| B9141                | 15             |
| B9221                | 06             |
| B9231                | 15             |
| B9248                | 08A            |
| B9292                | 07F            |
| B9913                | 07C            |
| BT3002               | 16             |
| BT2003               | 25             |
| FLEX3                | 16             |
| FLEX 5/75            | 22             |
| KS51                 | 11             |
| KS52                 | 10             |
| KX3                  | 05             |
| KX4                  | 07             |
| KX8                  | 07F            |
| KX13                 | 07A            |
| KX15                 | 01             |
| KX22                 | 05             |
| KX23                 | 01A            |
| KX25                 | 03             |
| KX30                 | 03             |
| KX50                 | 08             |
| KX51                 | 08             |
| KX52                 | 03             |
| KX53                 | 03             |
| KX55                 | 06             |
| KX61                 | 03             |
| L910-8               | 08             |
| L910-12              | 03             |
| L910-13              | 03             |
| L190-16              | 01             |
| L910-19              | 16             |
| L910-22              | 06             |
| L910-30              | 01             |
| L910-34              | 16             |
| LMR195               | 01             |
| LMR200               | 01B            |
| LMR240               | 07B            |
| LMR400               | 07C            |
| LMR600               | 17             |
| M17-28               | 01             |
| M17-29               | 03             |
| M17-30               | 03             |
| M17-84               | 01A            |
| M17-94               | 06             |
| M17-95               | 16             |
| M17-113              | 05             |
| M17-119              | 05             |
| Mini-Coax (2mm)      | 24             |
| RA7000               | 23             |
| RG402                | 10             |
| ST212/1              | 20             |
| ST212/2              | 20             |
| ST214/1              | 21             |
| ST214/2              | 21             |
| Suhner 2SPTT6010     | 25             |
| TR-SP109             | 25             |

## The Company

**Amphenol Corporation is one of the largest manufacturers of interconnect products of the world. The company designs, manufactures and markets RF/microwave connectors; flat ribbon cable and interconnect systems; CATV cable and connectors; electronic connectors; and fiber-optic connectors.**

The primary end markets for Amphenol products are communications and information processing, including cable television, cellular telephone, data communications and instrumentation; aerospace and military electronics; automotive, rail and other transportation; and industrial applications.

Amphenol Corporation is a world leader in providing integrated interconnect solutions to the telecommunications industry. Recognized worldwide as a technology leader in the wireless market, Amphenol offers a full complement of RF coaxial products from MMCX connectors used on cellular subscriber units to low intermodulation 7-16 DIN connectors used on cellular base stations. Today, Amphenol is a major player in this global arena; a position founded on the combined strengths of a broad product line and a leadership role in product innovation.

As the information super highway expands, the demand for interconnect solutions continues to grow into new and exciting areas. Amphenol is a leading producer of broadband coaxial cable, connectors and fiber optic interconnect components. Amphenol is uniquely capable of supplying the complete Hybrid Fiber/Coaxial ( HFC ) interconnect systems which form the backbone of the information super highway.



## Amphenol

As a result, every household, business, private and government institution is a potential customer and will depend on Amphenol's commitment to quality and product innovation.

In the area of computers and electronic data interchange, Amphenol continues to concentrate on the fastest growing segments; such as cable assemblies and line terminators which bring reliable, miniaturized solutions to LANS and other interactive communications networks, to high density connectors utilized in next generation global telecommunications switching systems.

Amphenol's ability to provide fully integrated solutions even extends into the arena of smart card technology, where microchips and sophisticated chip card acceptor devices are being combined for a growing number of applications from banking, to security, to medicine, to voice recognition systems.

Maintaining this position as a leader in the field of communications requires close interaction with a worldwide customer base through international management teams, distributed manufacturing, global quality assurance programs and sophisticated distribution networks. By remaining totally committed to the customer, Amphenol provides the very highest levels of quality and responsive service, anywhere in the world.



### Amphenol RF Divisions

Amphenol is the world's largest manufacturer of RF connectors with experience extending over half a century. Our complete range of RF interconnect products are used in the cellular/ PCS, telecommunications, computer networking and instrumentation industries. These include Standard/ Miniature connectors (UHF, Mini-UHF, N, 50 & 75 ohm BNC, and RP-BNC, Twinaxial, DIN 1.6/5.6, TNC and RP-TNC); Subminiature connectors (SMA and RP-SMA, SMB, SMC, DIN 1.0/2.3, and size 8 contacts); MicroMate™ Microminiature connectors; DIN 7-16 and corrugated cable connectors. Amphenol offers a full line of semiflex and drop cable connectors to meet the demanding requirements of HFC broadband infrastructure being developed by CATV MSOs and telephone companies worldwide.

Complementing the RF connector product line is a comprehensive collection of low frequency connectors used in telecommunications, computer, and instrumentation markets. These include mass-terminated IDC connectors, D-Subminiature connectors, SCSI 2&3 connectors, Micro-Ribbon connectors, MeMs, Mini-DIN, Flexprint connectors and DIN 41612.

### Commitment to Customer Service

For over 60 years, leading manufacturers of communications, consumer, industrial and aerospace products have relied on Amphenol to provide total interconnect solutions.

Maintaining this high level of customer trust requires a total concern for complete customer satisfaction at all levels - from engineering, to manufacturing, to quality assurance. Since many products are custom designed to individual customer specifications, often for the harshest environments, it's critical that a teamwork approach be taken, involving the customer at all levels. It starts with the design engineers who listen closely to customer needs, combining solid analytic skills with the latest CAE and CAD tools to quickly solve problems.

Amphenol also employs multifunctional teams to ensure that all products are designed for manufacturability. Serving the needs of our customers also requires a strong worldwide manufacturing presence. That's why we operate advanced production and assembly facilities strategically located across three continents. Yet, our quality remains exceptionally uniform and internationally standardized, from raw materials testing, through design engineering, to automated manufacturing and sub-assembly, to fully documented and traceable test procedures developed in accordance with customer specifications.

Amphenol also employs Statistical Process Control and has obtained ISO 9000 Certification for all its production facilities worldwide. As a result, we offer precisely what every customer is looking for - world class quality at the lowest possible cost.



### Did you know?

- **UHF** - Invented in the 1930's by an Amphenol engineer, E. Clark Quackenbush, for use in the radio industry.
- **N** - Was the first coaxial connector capable of microwave performance and was invented by and named for Paul Neill of Bell Labs.
- **C** - Invented by and named for Amphenol engineer Carl Concelman. Type C has quick connect/disconnect bayonet coupling features.
- **BNC** - A miniature version of the Type C. The name stands for Bayonet Neill Concelman.
- **TNC** - The name stands for threaded Neill Concelman. This series features threaded screws for mating.

## COAX CABLE ASSEMBLIES

### Amphenol cable assemblies

**Amphenol RF Europe is dedicated to providing high quality RF microwave cable assemblies to meet any application. We can work with any coax, twinax or triax cable currently being manufactured, semi-rigid or flexible, with cable length to any customer specification. With our acquisition of Connexus, a leading Swedish RF cable assembly producer, we are in the position of supplying you with cost competitive Coax assemblies.**



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The Amphenol MMCX series is the next generation of micro-miniature connectors.

Offering a reliable broadband performance from DC to 6 GHz.

These 50 ohm connectors incorporate the industry-approved MMCX interface, assuring reliable snap-on/quick-disconnect mating and proven electrical performance.

It's low-profile PCB receptacles make this series ideal for high-volume cellular, GPS and wireless base station applications.

#### Electrical Specifications

|                                 |                                                                       |
|---------------------------------|-----------------------------------------------------------------------|
| Impedance                       | 50 ohm                                                                |
| Frequency range                 | 0-6 GHz                                                               |
| Working voltage                 | 170 VRMS max. at sea level                                            |
| Dielectric withstanding voltage | 500 VRMS min. at sea level                                            |
| VSWR                            | Straight 1.3 max.<br>Right angle 1.5 max.                             |
| Contact Resistance              | Center contact 5 milliohms max.<br>Outer conductor 2.5 milliohms max. |
| Insulator resistance            | 1000 Megohms min.                                                     |

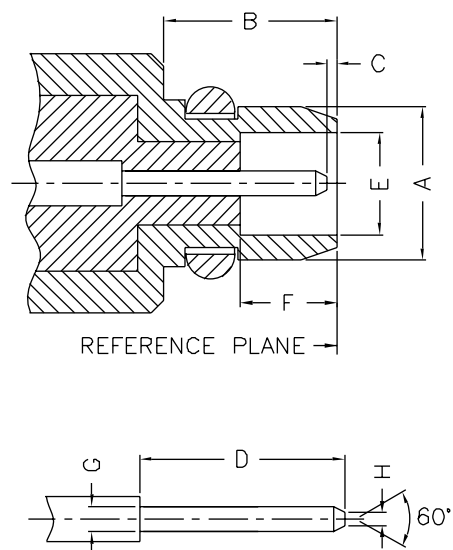
#### Material Specifications

| Parts Name        |        | Material                       | Finish                         |
|-------------------|--------|--------------------------------|--------------------------------|
| Body, Metal parts |        | Brass per QQ-B-626             | Nickel or gold per requirement |
| Center            | Male   | Brass per QQ-B-626             | Gold plated                    |
| Contacts          | Female | Beryllium copper, per QQ-C-530 | Gold plated                    |
| Insulators        |        | PTFE                           | None                           |
| Crimp ferrules    |        | Annealed copper                | Nickel or gold per requirement |

#### Mechanical Specifications

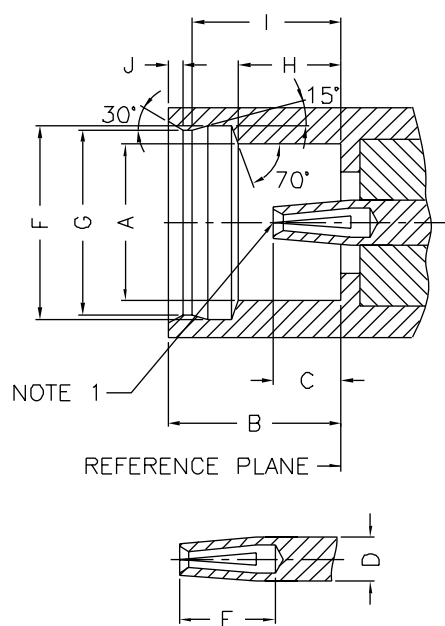
|                      |                   |
|----------------------|-------------------|
| Engagement force     | 3.4 lbs max.      |
| Disengagement force  | 1.4 lbs - 4.4 lbs |
| Contact retention    | 2.3 lbs. Min.     |
| Durability (matings) | 500 cycles min.   |

## Interface mating dimensions



## Plug

| Letter | Millimeters [Inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| A      | -                    | 2.40 [.095] |
| B      | 2.70 [.106]          | -           |
| C      | 0.00                 | 0.25 [.010] |
| D      | -                    | 3.15 [.124] |
| E      | 1.58 [.062]          | 1.62 [.064] |
| F      | 1.45 [.057]          | -           |
| G      | 0.38 [.150]          | 0.42 [.017] |
| H      | -                    | 0.20 [.008] |



## Jack

| Letter | Millimeters [Inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| A      | 2.40 [.095]          | -           |
| B      | 2.60 [.102]          | -           |
| C      | 0.90 [.035]          | 1.20 [.047] |
| D      | 0.68 [.027]          | 0.72 [.028] |
| E      | 1.40 [.055]          | -           |
| F      | 3.00 [.118]          | 3.04 [.120] |
| G      | 2.87 [.113]          | 2.90 [.114] |
| H      | 1.57 [.062]          | 1.63 [.064] |
| I      | 2.30 [.091]          | 2.34 [.092] |
| J      | -                    | 0.23 [.009] |

All connector bodies, unless otherwise noted, are machined brass, 3μ" gold-plated.

All insulators are Teflon.

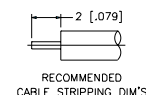
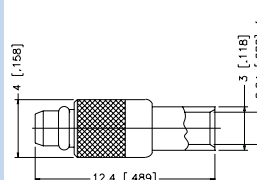
All center contacts are 30μ" gold plated.

All dimensions are in millimeters and [inches].

## Direct Solder Attachment for Semi-Rigid .047" and .085" Cable

### Straight Solder Plug - Semi-Rigid Cable

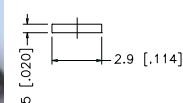
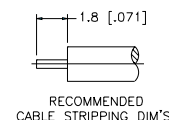
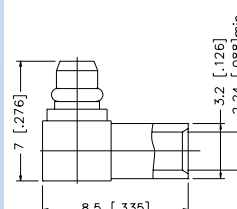
| P.N.                    | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|------|--------|------|------------|
| MMCX1181A1-3GT30G-11-50 | 11          | Gold | Teflon | 50   | N/A        |
| MMCX1181A1-3GT30G-13-50 | 13          | Gold | Teflon | 50   | N/A        |



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### Right Angle Solder Plug - Semi-Rigid Cable

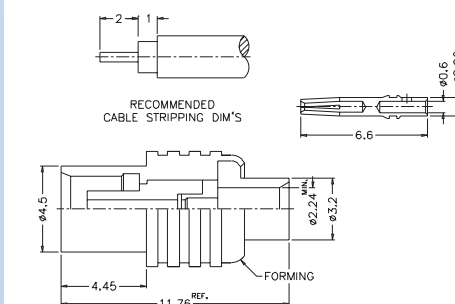
| P.N.                    | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|------|--------|------|------------|
| MMCX1182A1-3GT30G-11-50 | 11          | Gold | Teflon | 50   | N/A        |
| MMCX1182A1-3GT30G-13-50 | 13          | Gold | Teflon | 50   | N/A        |



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### Straight Solder Jack - Semi-Rigid Cable

| P.N.                    | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|------|--------|------|------------|
| MMCX6181A1-3GT30G-11-50 | 11          | Gold | Teflon | 50   | N/A        |
| MMCX6181A1-3GT30G-13-50 | 13          | Gold | Teflon | 50   | N/A        |

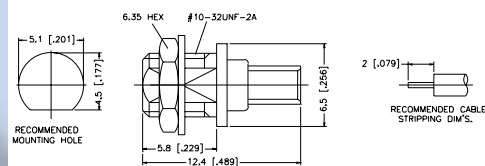


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### Direct Solder Attachment for Semi-Rigid .047" and .085" Cable

### Straight Solder Bulkhead Jack - Semi-Rigid Cable

| P.N.                    | Cable Group | Plt. | Ins.   | Imp. | Cable Tool |
|-------------------------|-------------|------|--------|------|------------|
| MMCX6481A1-3GT30G-11-50 | 11          | Gold | Teflon | 50   | N/A        |
| MMCX6481A1-3GT30G-13-50 | 13          | Gold | Teflon | 50   | N/A        |

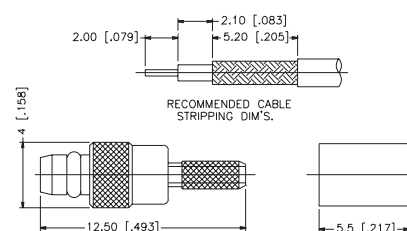


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## Crimp Attachment for Flexible Cable

## Straight Crimp Plug - Miniature Cable

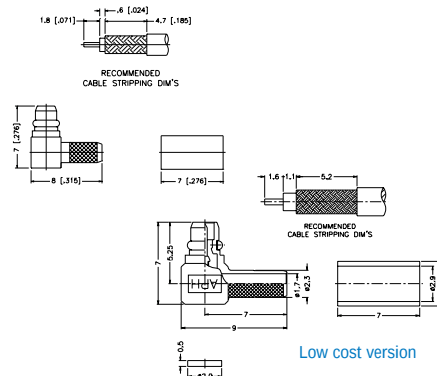
| P.N.                    | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|------|--------|------|------------|
| MMCX1121A1-3GT30G-5-50  | 05          | Gold | Teflon | 50   | 1          |
| MMCX1121A1-3GT30G-5A-50 | 5A          | Gold | Teflon | 50   | 2          |
| MMCX1121A1-3GT30G-14-50 | 14          | Gold | Teflon | 50   | 1          |



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### Right Angle Crimp Plug - Miniature Cable

| P.N.                      | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------------|-------------|------|--------|------|------------|
| MMCX1112A1-3GT30G-5-50    | 05          | Gold | Teflon | 50   | 1          |
| MMCX1112A1-3GT30G-5A-50   | 5A          | Gold | Teflon | 50   | 2          |
| MMCX1112A1-3GT30G-14-50   | 14          | Gold | Teflon | 50   | 1          |
| MMCX1112D2-3GT30G-5-50    | 5           | Gold | Teflon | 50   | 1          |
| MMCX1112D2-3GT30G-14-50   | 14          | Gold | Teflon | 50   | 1          |
| Low cost version, diecast |             |      |        |      |            |



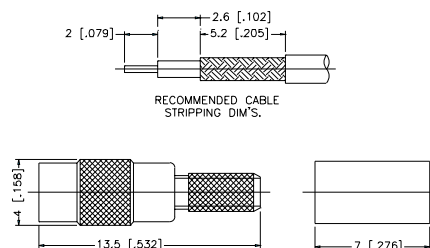
### Low cost version

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## Crimp Attachment for Flexible Cable

### Straight Crimp Jack - Miniature Cable

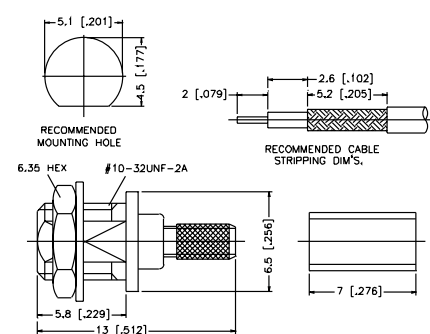
| P.N.                    | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|------|--------|------|------------|
| MMCX6121A1-3GT30G-5-50  | 05          | Gold | Teflon | 50   | 1          |
| MMCX6121A1-3GT30G-5A-50 | 5A          | Gold | Teflon | 50   | 2          |
| MMCX6121A1-3GT30G-14-50 | 14          | Gold | Teflon | 50   | 1          |



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### Bulkhead Crimp Jack - Miniature Cable

| P.N.                    | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|------|--------|------|------------|
| MMCX6421A1-3GT30G-5-50  | 05          | Gold | Teflon | 50   | 1          |
| MMCX6421A1-3GT30G-5A-50 | 5A          | Gold | Teflon | 50   | 2          |
| MMCX6421A1-3GT30G-14-50 | 14          | Gold | Teflon | 50   | 1          |

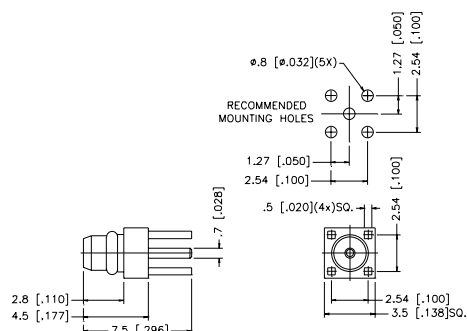


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## Printed circuit Board Connectors

### Straight Plug for P.C. Board

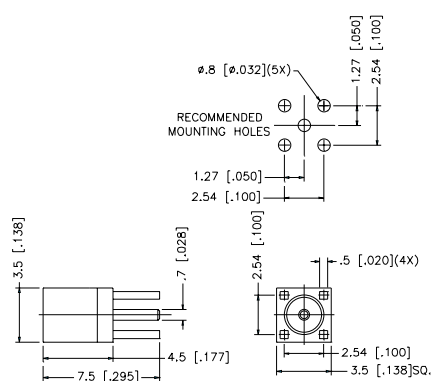
| P.N.                                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|----------------------------------------|-------------|------|--------|------|------------|
| MMCX1251N1-3GT30G-50                   | N/A         | Gold | Teflon | 50   | N/A        |
| MMCX1251N1-002-3GT30G-50 surface mount | N/A         | Gold | Teflon | 50   | N/A        |



## Printed circuit Board Connectors

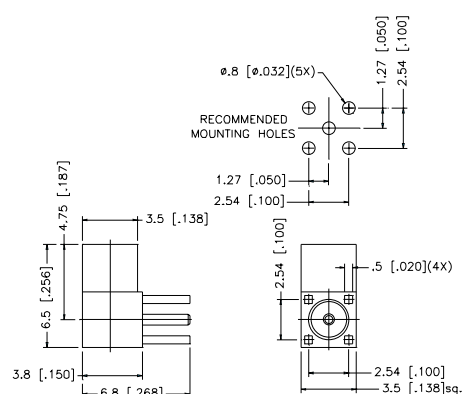
## Straight Jack for P.C. Board

| P.N.                               | Cable Group | Plt. | Ins.   | Imp. | Cable Tool |
|------------------------------------|-------------|------|--------|------|------------|
| MMCX6251N1-3GT30G-50               | N/A         | Gold | Teflon | 50   | N/A        |
| MMCX6251N2-3GT30G-50 surface mount | N/A         | Gold | Teflon | 50   | N/A        |



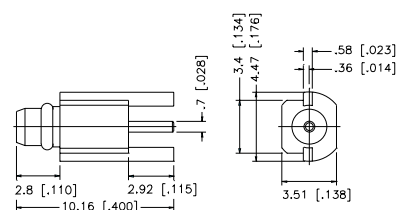
### Right Angle Jack for P.C. Board

| P.N.                 | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|------|--------|------|------------|
| MMCX6252N1-3GT30G-50 | N/A         | Gold | Teflon | 50   | N/A        |



### Edge Card or Vertical Mount Plug for P.C. Board

| P.N.                 | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|------|--------|------|------------|
| MMCX1251S1-3GT30G-50 | N/A         | Gold | Teflon | 50   | N/A        |

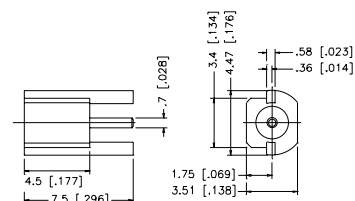


## Edge Card or Vertical Mount Jack for P.C. Board

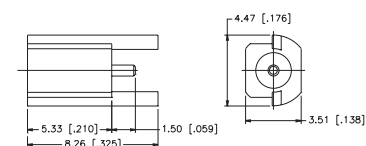
| P.N.                                       | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|--------------------------------------------|-------------|------|--------|------|------------|
| MMCX6251S1-3GT30G-50                       | N/A         | Gold | Teflon | 50   | N/A        |
| MMCX6251S1-001-3GT30G-50<br>Offset PC Legs | N/A         | Gold | Teflon | 50   | N/A        |



MMCX6251S1-3GT30G-50

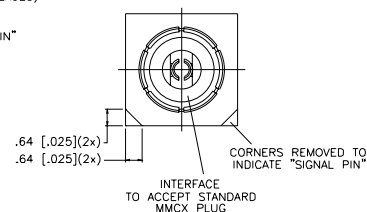
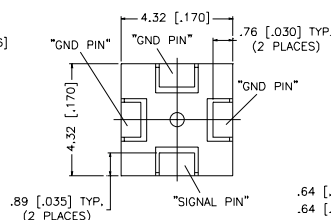
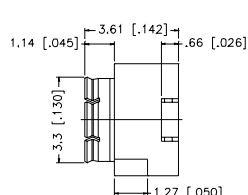
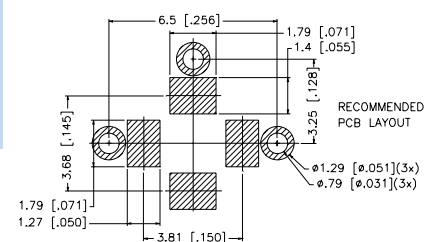


MMCX6251S1-001-3GT30G-50



## Surface Mount Jack Receptacle

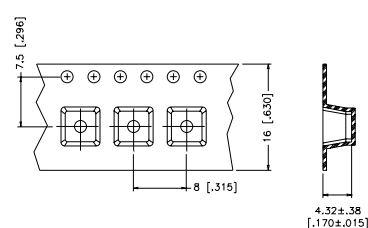
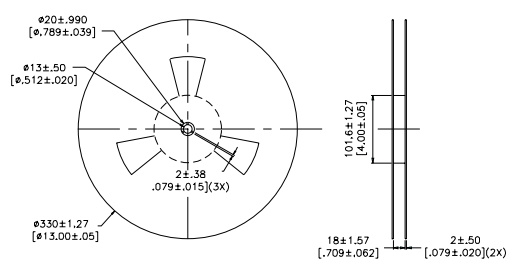
| P.N.         | Cable Group | Plt. | Ins. | Imp. | Crimp Tool |
|--------------|-------------|------|------|------|------------|
| OS-908-22101 | N/A         | Gold | LPC  | 50   | N/A        |



# Printed Circuit Board Connectors

## Surface Mount Jack Receptacle - Tape and Reel

| P.N.                           | Cable Group | Plt. | Ins. | Imp. | Crimp Tool |
|--------------------------------|-------------|------|------|------|------------|
| OS-908-22101T<br>1500 per reel | N/A         | Gold | LPC  | 50   | N/A        |

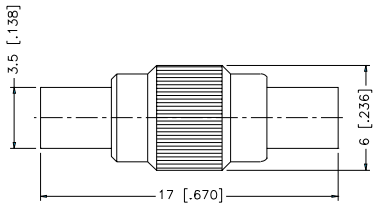


NOTE:  
BLISTER TAPE PACKAGED UNIFORMLY FOR VERTICAL  
MOUNTING AND SUPPLIED IN ACCORDANCE  
WITH IEC 286-3/EIA 481

In-Series Adapters

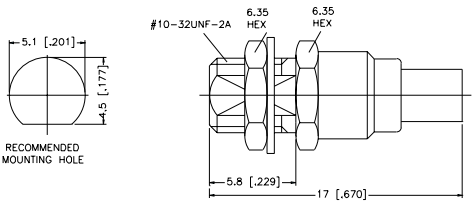
Jack-to-Jack Adapter

| P.N.                 | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|------|--------|------|------------|
| MMCX7071A1-3GT30G-50 | N/A         | Gold | Teflon | 50   | N/A        |



Jack-to-Jack Bulkhead Adapter

| P.N.                 | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|------|--------|------|------------|
| MMCX7471A1-3GT30G-50 | N/A         | Gold | Teflon | 50   | N/A        |



Note:

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Amphenol MCX Series connectors are ideal for applications and designs where weight and space savings are critical. This series has a 50 ohm impedance structure which operates in a frequency range of up to 6 GHz. It's push-on/pull-off mating design facilitates a quick connect/disconnect capability.

Amphenol MCX connectors are popularly used in the cellular telephone, information systems and communications market.

MCX connectors are available in 75 ohm version by replacing the last two digits (50) of the part number into 75.

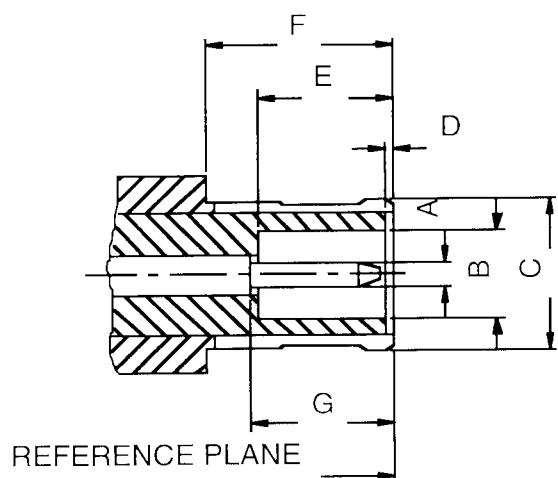
#### Electrical Specifications

|                                 |                                                                     |
|---------------------------------|---------------------------------------------------------------------|
| Impedance                       | 50 ohm and 75 ohm                                                   |
| Frequency Range                 | 0-6 GHz                                                             |
| Working Voltage                 | 335 VRMS                                                            |
| Dielectric Withstanding Voltage | 1000 Volts                                                          |
| VSWR                            | Straight: 1.3 max. 6 GHz<br>Right angle: 1.5 max. 6 GHz             |
| Contact Resistance              | Center contact 5.0 milliohm max.<br>Outer contact 1.0 milliohm max. |
| Insulation Resistance           | 5000 megohms                                                        |
| Insertion Loss                  | 0.1 dB Max./1 GHz                                                   |

#### Material Specifications

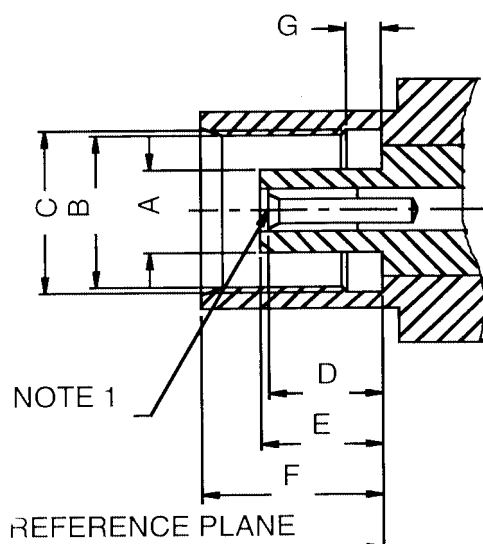
| Parts Name     |        | Material                                                      | Finish                         |
|----------------|--------|---------------------------------------------------------------|--------------------------------|
| Center Contact | Male   | Brass per QQ-B-626                                            | 30 μ"Gold                      |
|                | Female | Beryllium Copper per QQ-C-530<br>Heat- treated per MIL-H-7199 | 30 μ"Gold                      |
| Metal parts    |        | Brass per QQ-B-626                                            | Nickel or gold per requirement |
| Insulators     |        | PTFE                                                          | None                           |
| Gasket         |        | Silicone rubber                                               | None                           |
| Crimp ferrule  |        | Seamless copper tubing alloy                                  | Nickel or gold per requirement |

# Interface mating dimensions



## Plug

| Letter | Millimeters [Inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| A      | 0.48 [.019]          | 0.53 [.021] |
| B      | 2.00 [.079]          | 2.07 [.082] |
| C      | 3.66 [.144]          | 3.76 [.148] |
| D      | 0.00                 | 0.30 [.012] |
| E      | 2.81 [.111]          | 3.20 [.126] |
| F      | 4.16 [.164]          | -           |
| G      | 2.81 [.111]          | 3.20 [.126] |



## Jack

| Letter | Millimeters [Inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| A      | 1.80 [.071]          | 1.97 [.078] |
| B      | 3.43 [.135]          | 3.48 [.137] |
| C      | 3.61 [.142]          | 3.75 [.148] |
| D      | 2.31 [.091]          | 2.79 [.110] |
| E      | 2.61 [.103]          | 2.79 [.110] |
| F      | 4.00 [.158]          | 4.12 [.162] |
| G      | 0.75 [.030]          | 0.85 [.033] |

All connector bodies, unless otherwise noted, are machined brass, 3μ" gold-plated.

All insulators are Teflon.

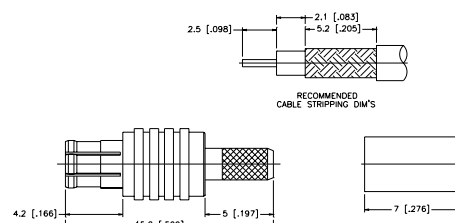
All center contacts are 30μ" gold plated.

All dimensions are in millimeters and [inches].

## Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Straight Crimp Plug - Miniature cable

| P.N.                           | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------------------|-------------|--------|--------|------|------------|
| MCX1121A1-NT30G-5-50           | 05          | Nickel | Teflon | 50   | 1          |
| MCX1121A1-3GT30G-5-50          | 05          | Gold   | Teflon | 50   | 1          |
| MCX1121A1-002-NT30G-5A-50      | 5A          | Nickel | Teflon | 50   | 2          |
| MCX1121A1-002-3GT30G-5A-50 05A | 05A         | Gold   | Teflon | 50   | 2          |
| MCX1121A1-NT30G-6-75           | 06          | Nickel | Teflon | 75   | 2          |
| MCX1121A1-3GT30G-6-75          | 06          | Gold   | Teflon | 75   | 2          |
| MCX1121A1-NT30G-6A-75          | 06A         | Nickel | Teflon | 75   | 2          |
| MCX1121A1-3GT30G-6A-75         | 06A         | Gold   | Teflon | 75   | 2          |
| MCX1121A1-NT30G-14-50          | 14          | Nickel | Teflon | 50   | 1          |
| MCX1121A1-3GT30G-14-50         | 14          | Gold   | Teflon | 50   | 1          |



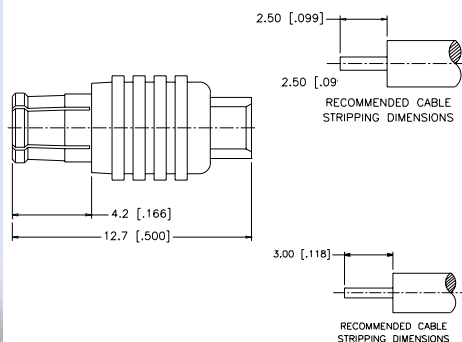
Assembly Instruction J - page 218

### Straight Solder Plug - Semi-Rigid Cable

| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| MCX1181A2-NT30G-10-50  | 10          | Nickel | Teflon | 50   | N/A        |
| MCX1181A2-3GT30G-10-50 | 10          | Gold   | Teflon | 50   | N/A        |
| MCX1181A1-NT30G-11-50  | 11          | Nickel | Teflon | 50   | N/A        |
| MCX1181A1-3GT30G-11-50 | 11          | Gold   | Teflon | 50   | N/A        |
| MCX1181A1-3GT30G-13-50 | 13          | Gold   | Teflon | 50   | N/A        |



MCX1181A1-3GT30G-13-50

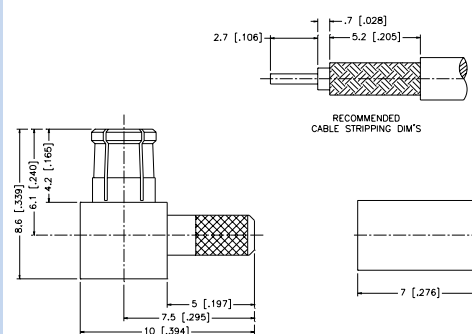


Assembly Instruction C - page 211  
Assembly Instruction E - page 213

# Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

## Right Angle Crimp Plug - Miniature Cable

| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| MCX1112A1-NT30G-1-50   | 01          | Nickel | Teflon | 50   | 3          |
| MCX1112A1-3GT30G-1-50  | 01          | Gold   | Teflon | 50   | 3          |
| MCX1112A1-NT30G-1A-50  | 01A         | Nickel | Teflon | 50   | 4          |
| MCX1112A1-3GT30G-1A-50 | 01A         | Gold   | Teflon | 50   | 4          |
| MCX1112A1-NT30G-5-50   | 05          | Nickel | Teflon | 50   | 1          |
| MCX1112A1-3GT30G-5-50  | 05          | Gold   | Teflon | 50   | 1          |
| MCX1112A1-NT30G-5A-50  | 05A         | Nickel | Teflon | 50   | 2          |
| MCX1112A1-3GT30G-5A-50 | 05A         | Gold   | Teflon | 50   | 2          |
| MCX1112A1-NT30G-6-75   | 06          | Nickel | Teflon | 75   | 1          |
| MCX1112A1-3GT30G-6-75  | 06          | Gold   | Teflon | 75   | 1          |
| MCX1112A1-NT30G-6A-75  | 06A         | Nickel | Teflon | 75   | 2          |
| MCX1112A1-3GT30G-6A-75 | 06A         | Gold   | Teflon | 75   | 2          |
| MCX1112A1-NT30G-14-50  | 14          | Nickel | Teflon | 50   | 1          |
| MCX1112A1-3GT30G-14-50 | 14          | Gold   | Teflon | 50   | 1          |



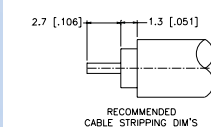
Assembly Instruction I - page 231

## Right Angle Solder Plug - Semi-Rigid Cable

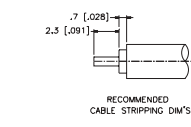
| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| MCX1182A1-NT30G-10-50  | 10          | Nickel | Teflon | 50   | N/A        |
| MCX1182A1-3GT30G-10-50 | 10          | Gold   | Teflon | 50   | N/A        |
| MCX1182A1-NT30G-11-50  | 11          | Nickel | Teflon | 50   | N/A        |
| MCX1182A1-3GT30G-11-50 | 11          | Gold   | Teflon | 50   | N/A        |
| MCX1182A1-3GT30G-13-50 | 13          | Gold   | Teflon | 50   | N/A        |



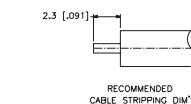
MCX1182A1-NT30G-10-50 & MCX1182A1-3GT30G-10-50



MCX1182A1-NT30G-11-50 & MCX1182A1-3GT30G-11-50



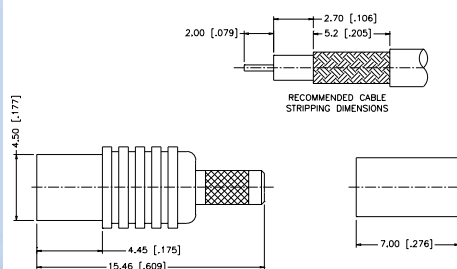
MCX1182A1-3GT30G-13-50



Assembly Instruction F - page 228

## Straight Crimp Jack - Miniature Cable

| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| MCX6121A1-NT30G-5-50   | 05          | Nickel | Teflon | 50   | 1          |
| MCX6121A1-3GT30G-5-50  | 05          | Gold   | Teflon | 50   | 1          |
| MCX6121A1-NT30G-5A-50  | 05A         | Nickel | Teflon | 50   | 2          |
| MCX6121A1-3GT30G-5A-50 | 05A         | Gold   | Teflon | 50   | 2          |
| MCX6121A1-NT30G-14-50  | 14          | Nickel | Teflon | 50   | 1          |
| MCX6121A1-3GT30G-14-50 | 14          | Gold   | Teflon | 50   | 1          |
| MCX6121A1-NT30G-6-75   | 06          | Nickel | Teflon | 75   | 1          |
| MCX6121A1-3GT30G-6-75  | 06          | Gold   | Teflon | 75   | 1          |
| MCX6121A1-NT30G-6A-75  | 06A         | Nickel | Teflon | 75   | 2          |
| MCX6121A1-3GT30G-6A-75 | 06A         | Gold   | Teflon | 75   | 2          |



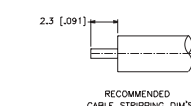
Assembly Instruction J - page 232

## Straight Solder Jack - Semi-Rigid Cable

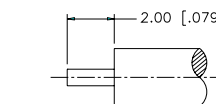
| P.N.                                    | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------------------------|-------------|--------|--------|------|------------|
| MCX6181A1-NT30G-11-50                   | 11          | Nickel | Teflon | 50   | N/A        |
| MCX6181A1-3GT30G-11-50                  | 11          | Gold   | Teflon | 50   | N/A        |
| MCX6181A1-3GT30G-13-50                  | 13          | Gold   | Teflon | 50   | N/A        |
| MCX6182A1-3GT30G-13-50 Right Angle Jack | 13          | Gold   | Teflon | 50   | N/A        |



MCX6182A1-3GT30G-13-50



MCX6181A1-NT30G-11-50 & MCX6181A1-3GT30G-11-50

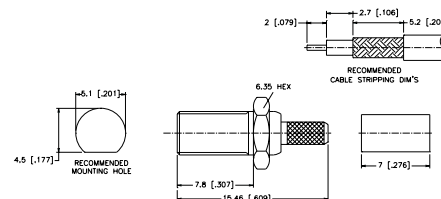


Assembly Instruction C - page 225  
Assembly Instruction E - page 227  
Assembly Instruction F - page 228

## Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

## Straight Crimp Bulkhead Jack - Miniature Cable

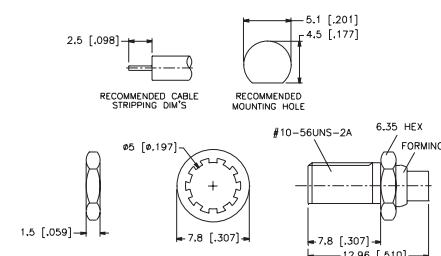
| P.N.                     | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------------|-------------|--------|--------|------|------------|
| MCX6421A1-NT30G-5-50     | 05          | Nickel | Teflon | 50   | 1          |
| MCX6421A1-3GT30G-5-50    | 05          | Gold   | Teflon | 50   | 1          |
| MCX6421A1-NT30G-5A-50    | 05A         | Nickel | Teflon | 50   | 2          |
| MCX6421A1-3GT30G-5A-50   | 05A         | Gold   | Teflon | 50   | 2          |
| MCX6421A1-NT30G-6-75     | 06          | Nickel | Teflon | 75   | 1          |
| MCX6421A1-3GT30G-6-75    | 06          | Gold   | Teflon | 75   | 1          |
| MCX6421A1-NT30G-6A-75    | 06A         | Nickel | Teflon | 75   | 2          |
| MCX6421A1-3GT30G-6A-75   | 06A         | Gold   | Teflon | 75   | 2          |
| MCX6421A1-NT30G-14-50    | 14          | Nickel | Teflon | 50   | 1          |
| MCX6421A1-N/3GT30G-14-50 | 14          | Gold   | Teflon | 50   | 1          |



Assembly Instruction J - page 232

### Straight Solder Bulkhead Jack - Semi-Rigid Cable

| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| MCX6481A1-3GT30G-11-50 | 11          | Gold | Teflon | 50   | N/A        |
| MCX6481A1-3GT30G-13-50 | 13          | Gold | Teflon | 50   | N/A        |

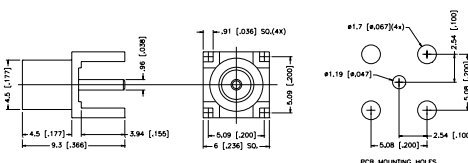


Assembly Instruction B - page 224  
Assembly Instruction C - page 225

## Printed Circuit Board Connectors

## Straight Jack for P.C. Board

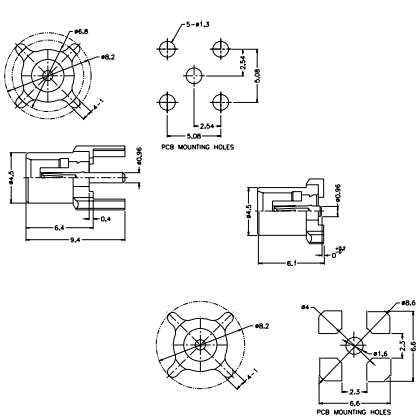
| P.N.                                         | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------------------------------|-------------|--------|--------|------|------------|
| MCX6251B1-NT30G-50                           | N/A         | Nickel | Teflon | 50   | N/A        |
| MCX6251B3-NT30G-50<br>2.92mm [ .115" ] LE6S  | N/A         | Nickel | Teflon | 50   | N/A        |
| MCX6251B1-3GT30G-50                          | N/A         | Gold   | Teflon | 50   | N/A        |
| MCX6251B3-3GT30G-50<br>2.92mm [ .115" ] LE6S | N/A         | Gold   | Teflon | 50   | N/A        |
| MCX6251B4-NT30G-50<br>Surface Mount          | N/A         | Nickel | Teflon | 50   | N/A        |
| MCX6251B4-3GT30G-50<br>Surface Mount         | N/A         | Gold   | Teflon | 50   | N/A        |



Printed Circuit Board Connectors

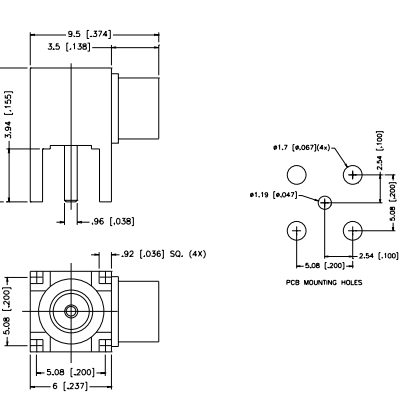
Straight Jack for P.C. Board

| P.N.                                       | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|--------------------------------------------|-------------|------|--------|------|------------|
| MCX6251A1-3GT30G-50                        | N/A         | Gold | Teflon | 50   | N/A        |
| MCX6251A4-3GT30G-50                        | N/A         | Gold | Teflon | 50   | N/A        |
| Surface Mount<br>Low cost version, diecast |             |      |        |      |            |



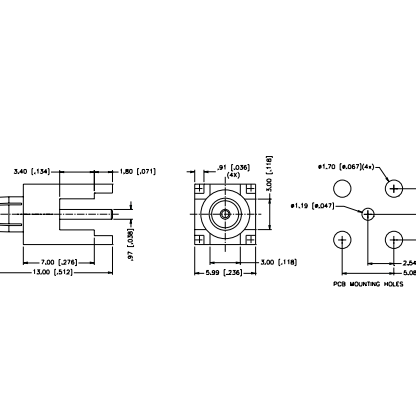
Right Angle Jack for P.C. Board

| P.N.                    | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|--------|--------|------|------------|
| MCX6252B1-NT30G-50      | N/A         | Nickel | Teflon | 50   | N/A        |
| MCX6252B1-3GT30G-50     | N/A         | Gold   | Teflon | 50   | N/A        |
| MCX6252B1-001-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| 2.92 mm [.115"] LEGS    |             |        |        |      |            |
| MCX6252B1-001-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |
| 2.92 mm [.115"] LEGS    |             |        |        |      |            |
| MCX6252B1-004-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| 1.73 mm [.068"] LEGS    |             |        |        |      |            |
| MCX6252B1-004-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |
| 1.73 mm [.068"] LEGS    |             |        |        |      |            |
| MCX6252B4-NT30G-50      | N/A         | Nickel | Teflon | 50   | N/A        |
| Surface Mount           |             |        |        |      |            |
| MCX6252B4-3GT30G-50     | N/A         | Gold   | Teflon | 50   | N/A        |
| Surface Mount           |             |        |        |      |            |



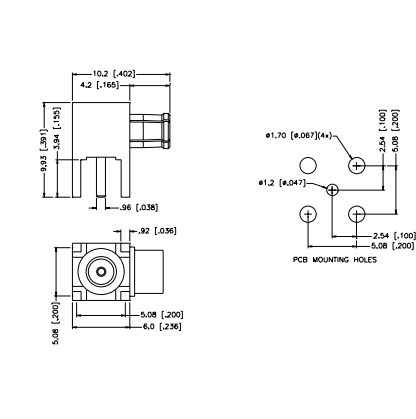
Straight Plug for P.C. Board

| P.N.                    | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|--------|--------|------|------------|
| MCX1251B1-001-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| MCX1251B1-001-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |



Right Angle Plug for P.C. Board

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| MCX1252B1-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| MCX1252B1-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |



# Printed Circuit Board Connectors and Straight Terminal Connectors

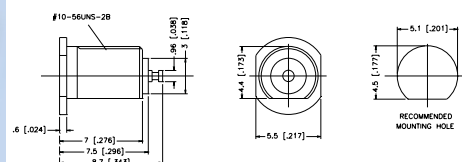
## Edgecard Receptacle for P.C. Board

| P.N.                    | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|--------|--------|------|------------|
| MCX625100-001-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| MCX625100-001-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |



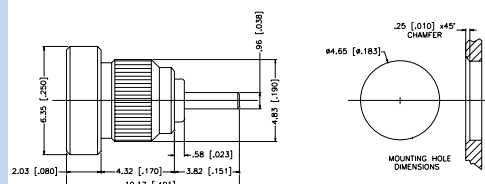
## Straight Bulkhead Receptacle

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| MCX6351B9-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| MCX6351B9-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |



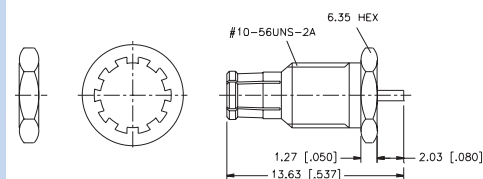
## Straight Bulkhead Receptacle - Press Fit

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| MCX6051A1-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| MCX6051A1-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |



## Straight Bulkhead Plug Receptacle

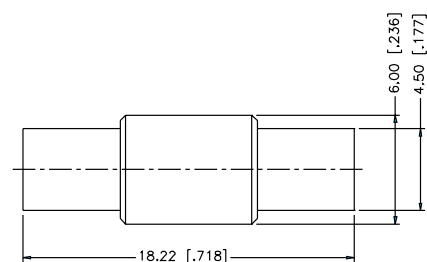
| P.N.                    | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|--------|--------|------|------------|
| MCX1451A1-001-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| MCX1451A1-001-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |



# In-Series Adapters

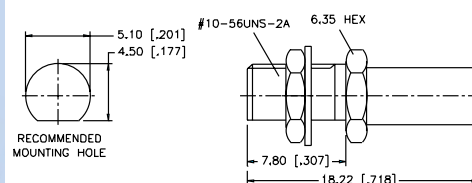
## Jack-to-Jack Adapter

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| MCX7071A1-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| MCX7071A1-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |



## Jack-to-Jack Bulkhead Adapter

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| MCX7471A1-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| MCX7471A1-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |



The Amphenol SMA connectors are semi-precision, sub-miniature, high-frequency connectors which offer reliable broadband performance DC to 18GHz with low reflection and constant 50 ohm impedance.

The main features are high mechanical strength, high durability and low VSWR. Matured design principles, careful manufacturing at all stages and thorough quality assurance organization are the basis for the well-known quality of Amphenol SMA connectors.

#### Electrical Specifications

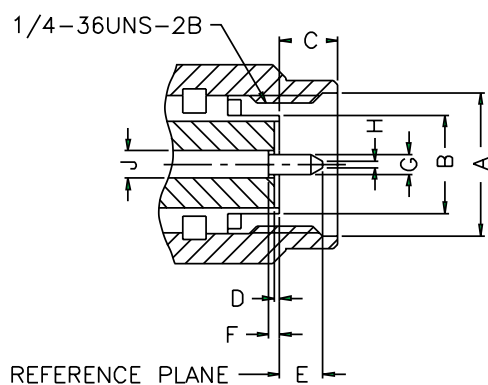
|                                    |                                                                                                                                                         |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Impedance                          | 50 ohm                                                                                                                                                  |
| Frequency range                    | *semi-rigid cable for .141" or .085" O.D. copper jacket: 0-18 GHz<br>*Flexible cable: 0-12.4 GHz                                                        |
| Voltage rating                     | *RG-58, 141, 142, 233: 500v peak<br>*RG-174, 188, 316: 375V peak                                                                                        |
| Dielectric withstanding voltage    | *.141" & RG-58 cable group: 1000V RMS<br>*.085" & RG-316 cable group: 750V RMS                                                                          |
| VSWR-straight Connectors *f in GHz | *.141" semi-rigid cable group: 1.05 + .005f<br>*RG-58 cable group: 1.15 + .01f<br>*RG-174 cable group: 1.15 + .02f<br>*RG-178 cable group: 1.20 + .025f |
| Contact resistance                 | Center: 2.0 milliohms<br>Body: 2.0 milliohms<br>Braid tot body: 0.5 milliohms                                                                           |
| Insulation resistance              | 5000 Megohms                                                                                                                                            |
| RF leakage                         | -90 db min. At 2-3 GHz                                                                                                                                  |
| Insertion loss                     | db max. $\approx .06 \sqrt{\text{freq. GHz.}}$ Test frequency @6.0 GHz                                                                                  |

Military Specifications MIL-C-39012 & MIL-C-83517 SMA

#### Material Specifications

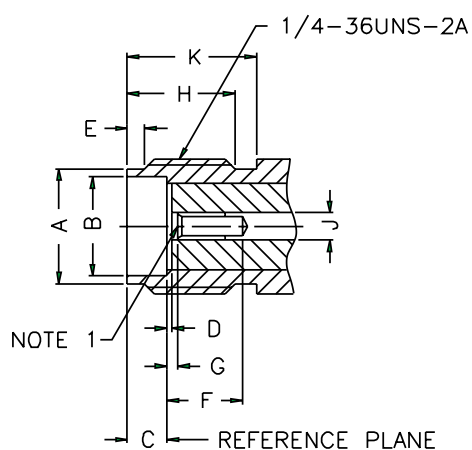
| Parts Name                            |        | Mil standard                                                                                                                     | Economic type                                                                                                                    |
|---------------------------------------|--------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Body, coupling nut, other metal parts |        | Non-magnetic stainless steel per QQ-S-764 #303<br>finish: passivated                                                             | Brass per QQ-B-626<br><br>finish: nickel or gold per requirement                                                                 |
| Contacts                              | Male   | Brass per QQ-B-626                                                                                                               | Brass per QQ-B-626                                                                                                               |
|                                       | Female | Beryllium copper per QQ-C-530<br>heat treated per MIL-H-7199<br>Finish: .00005" min gold plated per MIL-G-45204 type 1, Grade C. | Beryllium copper per QQ-C-530<br>heat treated per MIL-H-7199<br>Finish: .00005" min gold plated per MIL-G-45204 type 1, Grade C. |
| Insulator                             |        | PTFE                                                                                                                             | PTFE                                                                                                                             |
| Gasket                                |        | Silicone rubber                                                                                                                  | Silicone rubber                                                                                                                  |
| Crimp ferrule                         |        | Seamless copper tubing alloy                                                                                                     | Seamless copper tubing alloy                                                                                                     |
| Selection Guide                       |        | *Suitable for direct mounting on aluminium panels<br>*Lowest cost                                                                | *For commercial applications only<br>*Lower cost                                                                                 |

## Interface mating dimensions



## Plug

| Letter | Millimeters [Inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| A      | 6.35 [.250]          | 6.73 [.265] |
| B      | 4.53 [.178]          | 4.59 [.181] |
| C      | 2.54 [.100]          | 3.43 [.135] |
| D      | 0.00                 | 0.25 [.010] |
| E      | 1.91 [.075]          | 2.54 [.100] |
| F      | 0.00                 | 0.25 [.010] |
| G      | 0.90 [.035]          | 0.94 [.037] |
| H      | 0.00                 | 0.38 [.015] |
| J      | 1.24 [.049]          | 1.30 [.051] |



## Jack

| Letter | Millimeters [Inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| A      | 5.28 [.208]          | 5.49 [.216] |
| B      | 4.60 [.181]          | 4.67 [.184] |
| C      | 1.88 [.074]          | 1.98 [.078] |
| D      | 0.00                 | 0.25 [.010] |
| E      | 0.38 [.015]          | 1.14 [.045] |
| F      | 2.92 [.115]          | -           |
| G      | 0.00                 | 0.25 [.010] |
| H      | 4.32 [.170]          | -           |
| J      | 1.24 [.049]          | 1.30 [.051] |
| K      | 5.54 [.218]          | -           |

All connectors listed, unless otherwise noted, are Commercial Grade construction, gold-plated brass bodies, with 50 $\mu$ " gold contacts.

All insulators are Teflon.

All other parameters are equal to Mil Standard construction.

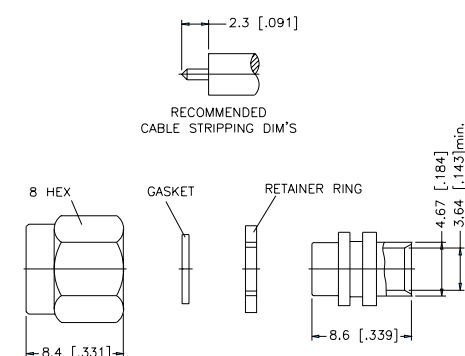
Mil Standard connectors, i.e. Stainless Steel body, available upon request as per material specifications listed in Material section on preceding page.

All dimensions are in millimeters and [inches].

## Plug Direct Solder for Semi-Rigid .047", .085" and .141" Cable

### Straight Solder Plug - Cable Inner Conductor Center Contact - Semi-Rigid Cable

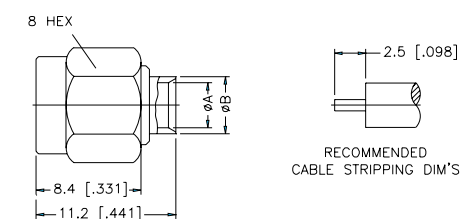
| P.N.               | Cable Group | Plt. | Ins. | Imp. | Crimp Tool |
|--------------------|-------------|------|------|------|------------|
| SMA1181K1-3G-10-50 | 10          | Gold | N/A  | 50   | N/A        |



Assembly Instruction A - page 209

### Straight Solder Plug - With Contact - Semi-Rigid Cable

| P.N.                                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|----------------------------------------|-------------|------|--------|------|------------|
| SMA1181A2-3GT50G-11-50                 | 11          | Gold | Teflon | 50   | N/A        |
| SMA1181A1-3GT50G-10-50                 | 10          | Gold | Teflon | 50   | N/A        |
| SMA1181K1-S/P-10-50<br>Stainless Steel | 10          | Gold | Teflon | 50   | N/A        |
| SMA1181A2-3GT50G-13-50                 | 13          | Gold | Teflon | 50   | N/A        |



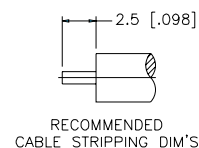
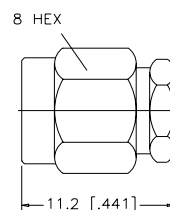
Assembly Instruction B - page 210  
Assembly Instruction C - page 211

## Direct Solder for Semi-Rigid .047", .085" and .141" Cable

### Straight Solder Plug - With Contact and Torque Nut - Semi-Rigid Cable

| P.N.                       | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|----------------------------|-------------|------|--------|------|------------|
| SMA1181A1-004-3GT50G-11-50 | 11          | Gold | Teflon | 50   | N/A        |
| Stainless Steel Nut        |             |      |        |      |            |

Cable: .047" Cable, A = 1.24 mm [.049"] min,  
 .085" Cable, A = 2.2 mm [.087"] min,  
 .141" Cable, A = 3.6 mm [.142"] min,

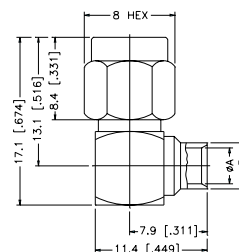


Assembly Instruction B - page 210

### Right Angle Solder Plug DC - 12.4 GHZ - Semi-Rigid Cable

| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| SMA1182A2-3GT50G-10-50 | 10          | Gold | Teflon | 50   | N/A        |
| SMA1182Z2-3GT50G-11-50 | 11          | Gold | Teflon | 50   | N/A        |
| Stainless Steel Nut    |             |      |        |      |            |
| SMA1182A2-3GT50G-11-50 | 11          | Gold | Teflon | 50   | N/A        |
| SMA1182A2-3GT50G-13-50 | 13          | Gold | Teflon | 50   | N/A        |

Cable: .047" Cable, A = 1.24 mm [.049"] min,  
 .085" Cable, A = 2.2 mm [.087"] min,  
 .141" Cable, A = 3.6 mm [.142"] min,

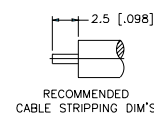
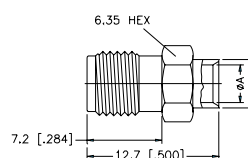


Assembly Instruction D - page 212

### Straight Solder Jack - Semi-Rigid Cable

| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| SMA6181A1-3GT50G-10-50 | 10          | Gold | Teflon | 50   | N/A        |
| SMA6181A2-3GT50G-11-50 | 11          | Gold | Teflon | 50   | N/A        |
| SMA6181A2-3GT50G-13-50 | 13          | Gold | Teflon | 50   | N/A        |

Cable: .047" Cable, A = 1.24 mm [.049"] min,  
 .085" Cable, A = 2.2 mm [.087"] min,  
 .141" Cable, A = 3.6 mm [.142"] min,

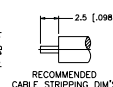
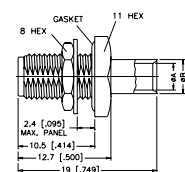
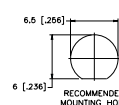


Assembly Instruction B - page 210  
 Assembly Instruction C - page 211

### Bulkhead Feedthrough Solder Jack - O-Ring seal - Semi-Rigid Cable

| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| SMA6481A1-3GT50G-10-50 | 10          | Gold | Teflon | 50   | N/A        |
| SMA6481A2-3GT50G-11-50 | 11          | Gold | Teflon | 50   | N/A        |
| SMA6481A2-3GT50G-13-50 | 13          | Gold | Teflon | 50   | N/A        |

Cable: .047" Cable, A = 1.24 mm [.049"] min,  
 .085" Cable, A = 2.2 mm [.087"] min,  
 .141" Cable, A = 3.6 mm [.142"] min,



Assembly Instruction B - page 210  
 Assembly Instruction C - page 211

## Direct Solder for Semi-Rigid .047", .085" and .141" Cable

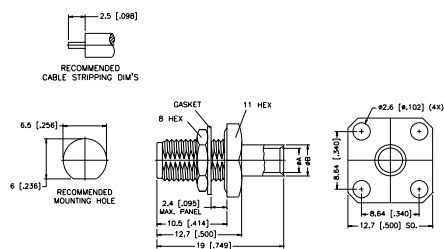
### Panel Mount Solder Jack - 4 hole Square Flange - Semi-Rigid Cable

| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| SMA6581A2-3GT50G-11-50 | 11          | Gold | Teflon | 50   | N/A        |
| SMA6581A1-3GT50G-10-50 | 10          | Gold | Teflon | 50   | N/A        |
| SMA6581A3-3GT50G-13-50 | 13          | Gold | Teflon | 50   | N/A        |

Cable: .047" Cable, A = 1.24 mm [.049"] min,

.085" Cable, A = 2.2 mm [.087"] min,

.141" Cable, A = 3.6 mm [.142"] min,



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Assembly Instruction C - page 225

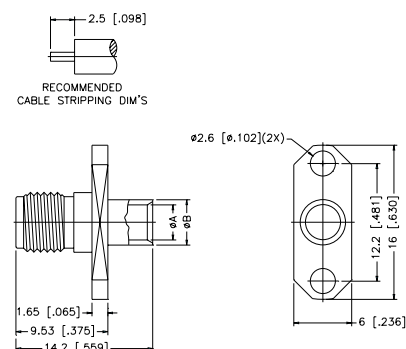
### Panel Mount Solder Jack - 2 hole Square Flange - Semi-Rigid Cable

| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| SMA6581B2-3GT50G-11-50 | 11          | Gold | Teflon | 50   | N/A        |
| SMA6581B1-3GT50G-10-50 | 10          | Gold | Teflon | 50   | N/A        |
| SMA6581B3-3GT50G-13-50 | 13          | Gold | Teflon | 50   | N/A        |

Cable: .047" Cable, A = 1.24 mm [.049"] min,

.085" Cable, A = 2.2 mm [.087"] min,

.141" Cable, A = 3.6 mm [.142"] min,

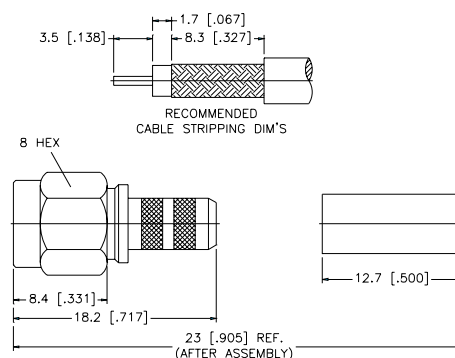


Assembly Instruction B - page 224  
Assembly Instruction C - page 225

## Plug Crimp Attachment for Flexible Cable

### Straight Crimp Plug - Standard Cable

| P.N.                       | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|----------------------------|-------------|------|--------|------|------------|
| SMA1111A1-3GT50G-1-50      | 01          | Gold | Teflon | 50   | 3 or 4     |
| SMA1111A1-3GT50G-1A-50     | 01A         | Gold | Teflon | 50   | 3 or 4     |
| SMA1111A1-3GT50G-1B-50     | 01B         | Gold | Teflon | 50   | 3 or 4     |
| SMA1111A1-007-3GT50G-7B-50 | 07B         | Gold | Teflon | 50   | 4          |

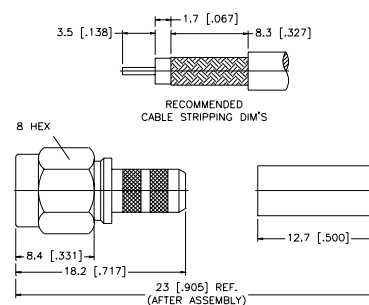


Assembly Instruction J - page 232

## Plug Crimp Attachment for Flexible Cable

## Straight Crimp Plug - Miniature Cable

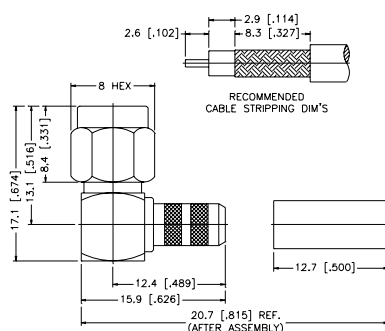
| P.N.                                      | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------------------------------|-------------|--------|--------|------|------------|
| SMA1111A2-3GT50G-5-50                     | 05          | Gold   | Teflon | 50   | 1 or 2     |
| SMA1111A2-S/PT50G-5-50<br>Stainless Steel | 05          | Gold   | Teflon | 50   | 1 or 2     |
| SMA1111Z2-NT50G-5-50                      | 05          | Nickel | Teflon | 50   | 1 or 2     |
| SMA1111A2-3GT50G-5A-50                    | 05A         | Gold   | Teflon | 50   | 2          |
| SMA1111G2-3GT50G-14-50                    | 14          | Gold   | Teflon | 50   | 1 or 2     |
| SMA1111A1-3GT50G-16-50                    | 16          | Gold   | Teflon | 50   | 3          |
| SMA1111A1-3GT50G-16A-50                   | 16A         | Gold   | Teflon | 50   | 3          |



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### Right Angle Crimp Plug - Standard Cable

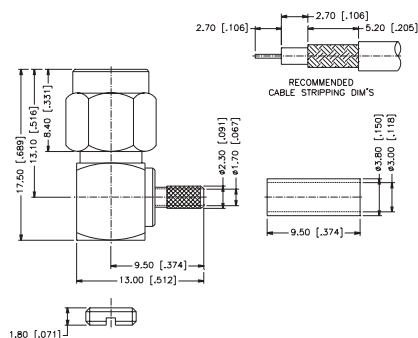
| P.N.                                      | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------------------------|-------------|------|--------|------|------------|
| SMA1112A6-3GT50G-1-50                     | 01          | Gold | Teflon | 50   | 3 or 4     |
| SMA1112A4-S/PT50G-1-50<br>Stainless Steel | 01          | Gold | Teflon | 50   | 3 or 4     |
| SMA1112A6-3GT50G-1A-50                    | 01A         | Gold | Teflon | 50   | 3 or 4     |
| SMA1112A1-3GT50G-1B-50                    | 01B         | Gold | Teflon | 50   | 3 or 4     |
| SMA1112A1-3GT50G-7B-50                    | 07B         | Gold | Teflon | 50   | 4          |
| SMA1112A1-3GT30G-7C-50                    | 7C          | Gold | Teflon | 50   | 6          |



Assembly Instruction I - page 231

## Right Angle Crimp Plug - Miniature Cable

| P.N.                    | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|------|--------|------|------------|
| SMA1112A5-3GT50G-5-50   | 05          | Gold | Teflon | 50   | 1 or 2     |
| SMA1112A5-3GT50G-5A-50  | 05A         | Gold | Teflon | 50   | 2          |
| SMA1112A3-3GT50G-14-50  | 14          | Gold | Teflon | 50   | 1 or 2     |
| SMA1112A6-3GT50G-16-50  | 16          | Gold | Teflon | 50   | 3          |
| SMA1112A6-3GT50G-16A-50 | 16A         | Gold | Teflon | 50   | 3          |

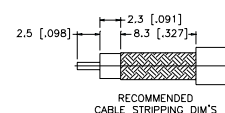


Assembly Instruction I - page 231

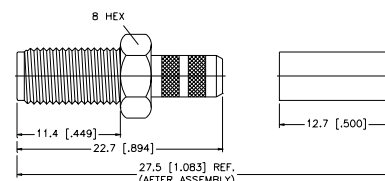
## Jack Crimp Attachment for Flexible Cable

### Straight Crimp Jack - Standard Cable

| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| SMA6111A3-3GT50G-1-50  | 01          | Gold | Teflon | 50   | 3 or 4     |
| SMA6111A3-3GT50G-1A-50 | 01A         | Gold | Teflon | 50   | 3 or 4     |
| SMA6111A3-3GT50G-1B-50 | 01B         | Gold | Teflon | 50   | 3 or 4     |
| SMA6111A5-3GT50G-7B-50 | 07B         | Gold | Teflon | 50   | 4          |



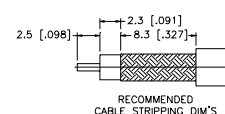
RECOMMENDED CABLE STRIPPING DIM'S



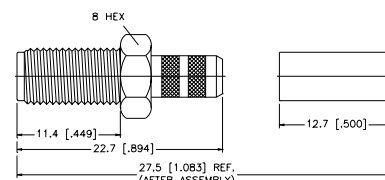
Assembly Instruction J - page 218

### Straight Crimp Jack - Miniature Cable

| P.N.                                 | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|--------------------------------------|-------------|------|--------|------|------------|
| SMA6111A4-3GT50G-5-50                | 05          | Gold | Teflon | 50   | 1 or 2     |
| SMA6111A4-3GT50G-5A-50               | 05A         | Gold | Teflon | 50   | 2          |
| SMA6111A4-001-3GT50G-5-50 Short Body | 05          | Gold | Teflon | 50   | 1 or 2     |
| SMA6111G2-3GT50G-14-50               | 14          | Gold | Teflon | 50   | 1 or 2     |



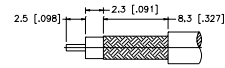
RECOMMENDED CABLE STRIPPING DIM'S



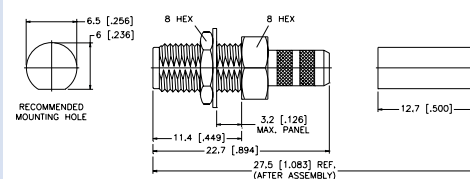
Assembly Instruction J - page 218

### Bulkhead Crimp Jack - Standard Cable

| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| SMA6411A1-NT50G-1-50   | 01          | Nickel | Teflon | 50   | 3 or 4     |
| SMA6411A3-3GT50G-1-50  | 01          | Gold   | Teflon | 50   | 3 or 4     |
| SMA6411A3-3GT50G-1A-50 | 01A         | Gold   | Teflon | 50   | 3 or 4     |
| SMA6411A1-3GT50G-1B-50 | 01B         | Gold   | Teflon | 50   | 3 or 4     |
| SMA6411A1-3GT50G-7B-50 | 07B         | Gold   | Teflon | 50   | 4          |



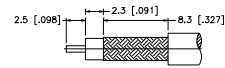
RECOMMENDED CABLE STRIPPING DIM'S



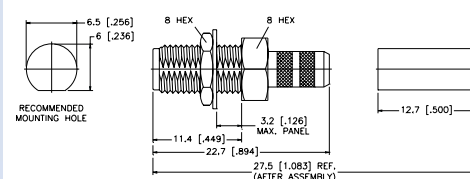
Assembly Instruction J - page 218

### Bulkhead Crimp Jack - Miniature Cable

| P.N.                       | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|----------------------------|-------------|------|--------|------|------------|
| SMA6411A4-3GT50G-5-50      | 05          | Gold | Teflon | 50   | 1 or 2     |
| SMA6411G2-001-3GT50G-5A-50 | 05A         | Gold | Teflon | 50   | 2          |
| SMA6411G2-3GT50G-14-50     | 14          | Gold | Teflon | 50   | 1 or 2     |



RECOMMENDED CABLE STRIPPING DIM'S

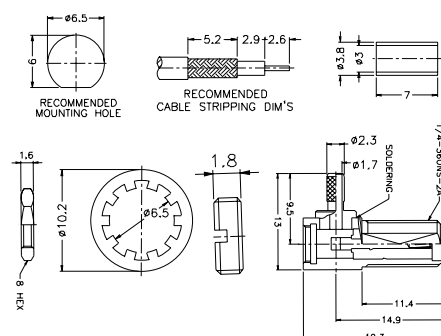


Assembly Instruction J - page 218

## Jack Crimp Attachment for Flexible Cable

### Right Angle Bulkhead Crimp Jack - Miniature Cable

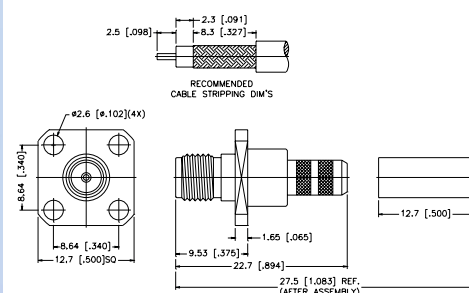
| P.N.                      | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------------|-------------|------|--------|------|------------|
| SMA6412A1-001-3GT50G-1-50 | 01          | Gold | Teflon | 50   | 1 or 2     |
| SMA6412B1-3GT50G-5-50     | 05          | Gold | Teflon | 50   | 1 or 2     |



Assembly Instruction J - page 232

### Panel Crimp Jack - Standard Cable

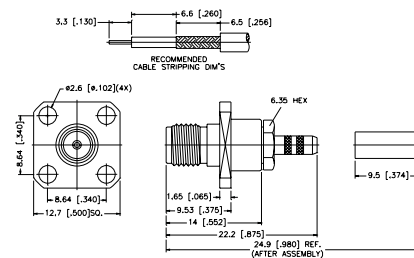
| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| SMA6511A1-3GT50G-1-50  | 01          | Gold | Teflon | 50   | 3 or 4     |
| SMA6511A1-3GT50G-1A-50 | 01A         | Gold | Teflon | 50   | 3 or 4     |



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### Panel Crimp Jack - Miniature Cable

| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| SMA6511G1-3GT50G-5-50  | 05          | Gold | Teflon | 50   | 1 or 2     |
| SMA6511G1-3GT50G-5A-50 | 05A         | Gold | Teflon | 50   | 3          |

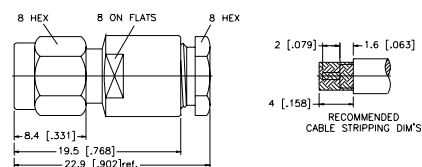


Assembly Instruction J - page 232

## Clamp Attachment for Flexible Cable

### Straight Clamp Plug - Standard Cable

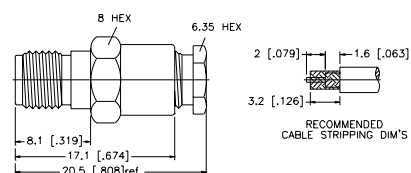
| P.N.                  | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|------|--------|------|------------|
| SMA1141C2-3GT50G-1-50 | 01          | Gold | Teflon | 50   | N/A        |



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### Straight Clamp Jack - Miniature Cable

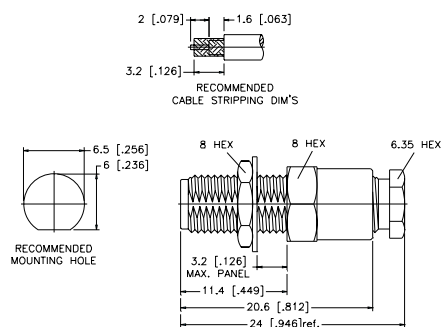
| P.N.                  | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|------|--------|------|------------|
| SMA6141C1-3GT50G-5-50 | 05          | Gold | Teflon | 50   | N/A        |



Assembly Instruction M - page 221

### Bulkhead Clamp Jack - Miniature Cable

| P.N.                  | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|------|--------|------|------------|
| SMA6441C1-3GT50G-5-50 | 05          | Gold | Teflon | 50   | N/A        |



Assembly Instruction M - page 221

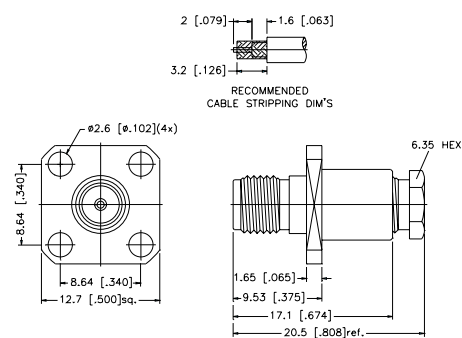
Note:

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## Clamp Attachment for Flexible Cable

### Panel Clamp Jack - Miniature Cable

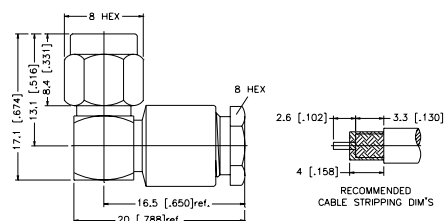
| P.N.                  | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|------|--------|------|------------|
| SMA6541C1-3GT50G-5-50 | 05          | Gold | Teflon | 50   | N/A        |



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### Right Angle Clamp Plug - Standard Cable

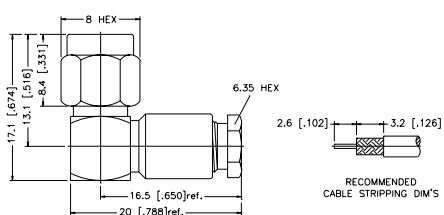
| P.N.                  | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|------|--------|------|------------|
| SMA1142C2-3GT50G-1-50 | 01          | Gold | Teflon | 50   | N/A        |



Assembly Instruction D - page 212

### Right Angle Clamp Jack - Miniature Cable

| P.N.                  | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|------|--------|------|------------|
| SMA1142C1-3GT50G-5-50 | 05          | Gold | Teflon | 50   | N/A        |

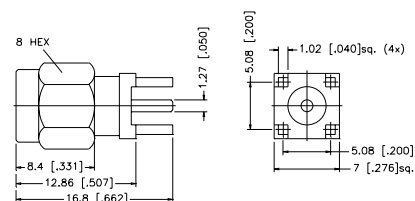


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## Printed Circuit Board Connectors

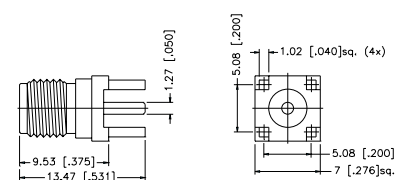
### Straight Plug for P.C. Board

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA1251A1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



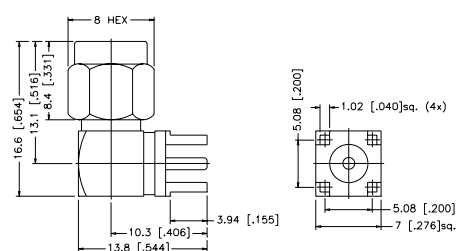
### Straight Jack for P.C. Board

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA6251A1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



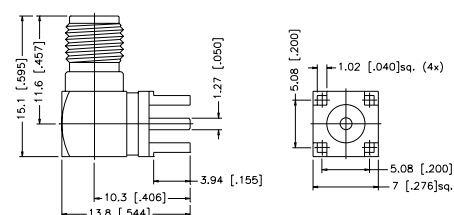
### Right Angle Plug for P.C. Board

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA1252A2-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



### Right Angle Jack for P.C. Board

| P.N.                                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------------------|-------------|------|--------|------|------------|
| SMA6252A2-3GT50G-50                 | N/A         | Gold | Teflon | 50   | N/A        |
| SMA6252D1-3GT50G-50<br>Diecast Body | N/A         | Gold | Teflon | 50   | N/A        |



[illegible]

1/4-36UNS-2A

.99 [.039]  
6.99 [.275]  
11.48 [.452]

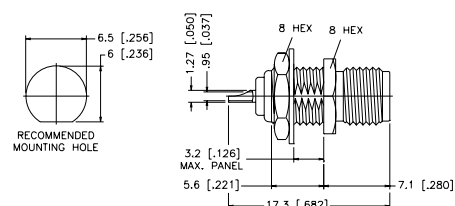
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RECOMMENDED MOUNTING HOLE

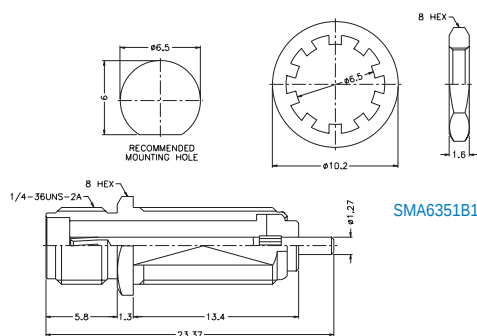
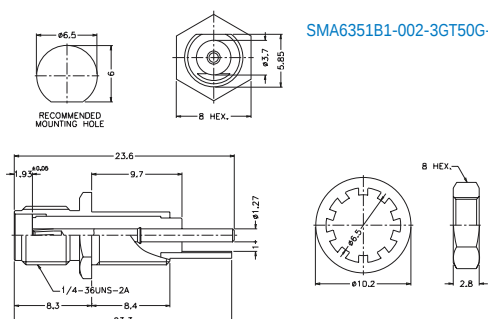
## Bulkhead Receptacle/Solder Cup Terminal

### Bulkhead Jack Receptacle - Front Mount

| P.N.                                                 | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------------------------------------|-------------|------|--------|------|------------|
| SMA6351B1-3GT50G-50                                  | N/A         | Gold | Teflon | 50   | N/A        |
| SMA6351B1-002-3GT50G-50<br>Bulkhead Mount            | N/A         | Gold | Teflon | 50   | N/A        |
| SMA6351B1-003-3GT50G-50<br>Extended Body, Blunt Post | N/A         | Gold | Teflon | 50   | N/A        |



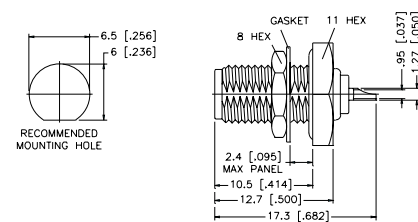
SMA6351B1-002-3GT50G-50



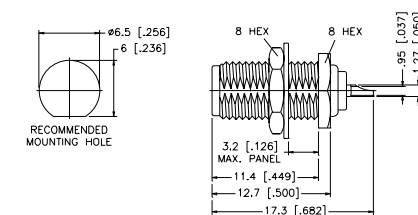
SMA6351B1-003-3GT50G-50

### Bulkhead Jack Receptacle - Rear Mount

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA6451A1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



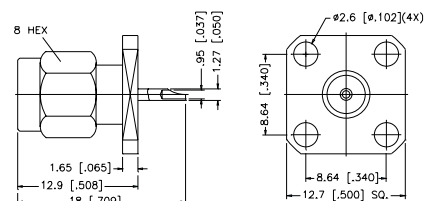
| P.N.                                  | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------------------------|-------------|------|--------|------|------------|
| SMA6451B1-3GT50G-50                   | N/A         | Gold | Teflon | 50   | N/A        |
| SMA6451B1-002-3GT50G-50<br>Flatwasher | N/A         | Gold | Teflon | 50   | N/A        |



## Panel Receptacle/Solder Cup terminal

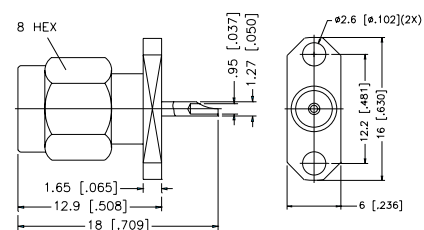
### Panel Mount Plug Receptacle - 4 Hole Square Flange

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA1551A1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



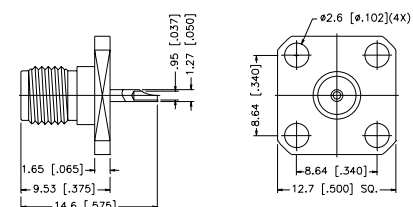
### Panel Mount Plug Receptacle - 2 Hole Flange

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA1551B1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



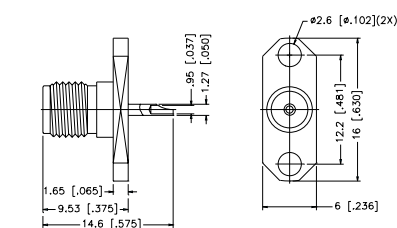
### Panel Mount Jack Receptacle - 4 Hole Square Flange

| P.N.                                                     | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|----------------------------------------------------------|-------------|------|--------|------|------------|
| SMA6551A1-3GT50G-50                                      | N/A         | Gold | Teflon | 50   | N/A        |
| SMA6551A1-001-3GT50G-50<br>12.7 mm [0.500"] Square Holes | N/A         | Gold | Teflon | 50   | N/A        |



### Panel Mount Jack Receptacle - 2 Hole Flange

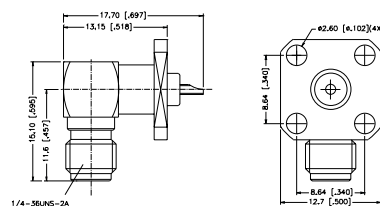
| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA6551B1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



## Panel Receptacle/Solder Cup terminal

### Right Angle Panel Mount Jack Receptacle - 4 Hole Square Flange

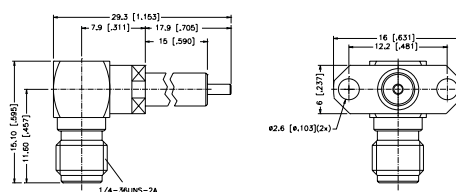
| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA6552A1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



### Right Angle Panel Mount Jack Receptacle - 2 Hole 90% Flange - Exposed TFE Type

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA6552F1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |

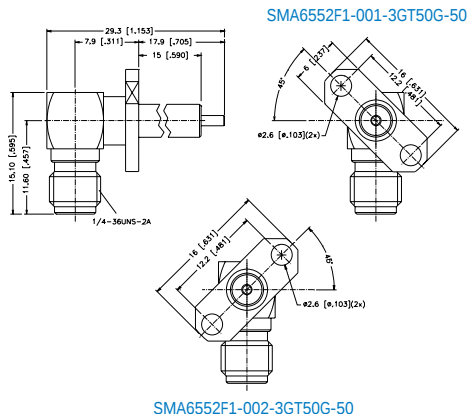
Remark: Extended teflon insulation available in various lengths.  
Contact Amphenol for part number and availability.



### Right Angle Panel Mount Jack Receptacle - 2 Hole 45% Flange - Exposed TFE Type

| P.N.                    | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|------|--------|------|------------|
| SMA6552F1-001-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |
| SMA6552F1-002-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |

Remark: Extended teflon insulation available in various lengths.  
Contact Amphenol for part number and availability.

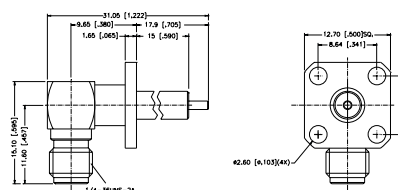


SMA6552F1-002-3GT50G-50

### Right Angle Panel Mount Jack Receptacle - 4 Hole Flange - Exposed TFE Type

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA6552E1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |

Remark: Extended teflon insulation available in various lengths.  
Contact Amphenol for part number and availability.

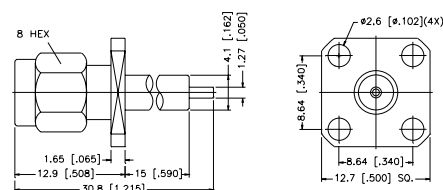


## Panel Receptacle/Solder Pot terminal

### Panel Mount Plug Receptacle - 4 Hole Square Flange - Exposed TFE Type

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA1551E1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |

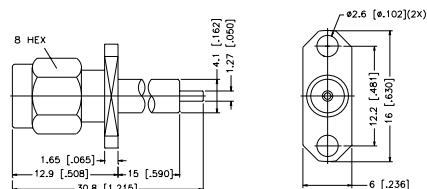
Remark: Extended teflon insulation available in various lengths.  
Contact Amphenol for part number and availability.



### Panel Mount Plug Receptacle - 2 Hole Flange - Exposed TFE Type

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA1551F1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |

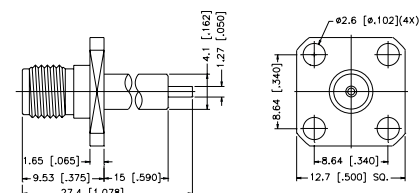
Remark: Extended teflon insulation available in various lengths.  
Contact Amphenol for part number and availability.



### Panel Mount Jack Receptacle - 4 Hole Square Flange - Exposed TFE Type

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA6551E1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |

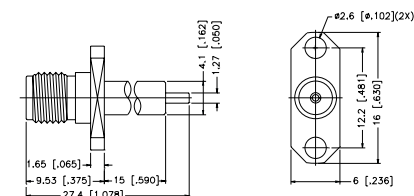
Remark: Extended teflon insulation available in various lengths.  
Contact Amphenol for part number and availability.



### Panel Mount Jack Receptacle - 2 Hole Flange - Exposed TFE Type

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA6551F1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |

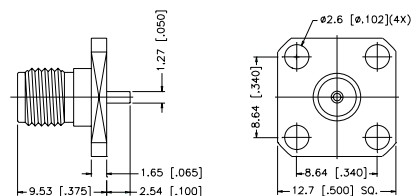
Remark: Extended teflon insulation available in various lengths.  
Contact Amphenol for part number and availability.



## Panel Receptacle/Solder Pot terminal

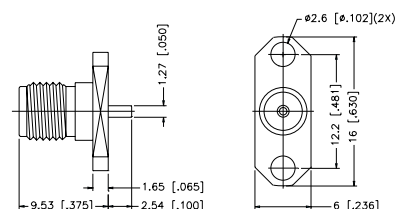
### Panel Mount Jack Receptacle - 4 Hole Square Flange - Blunt Post

| P.N.                    | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|------|--------|------|------------|
| SMA6551E9-3GT50G-50     | N/A         | Gold | Teflon | 50   | N/A        |
| SMA6551E9-003-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |
| 6.6 mm [.260"] POST     |             |      |        |      |            |



### Panel Mount Jack Receptacle - 2 Hole Flange - Blunt Post

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA6551F9-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |

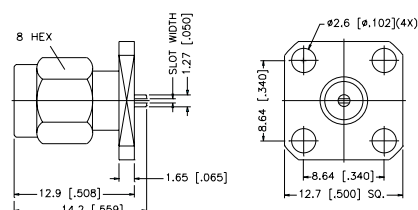


## Panel Receptacle/Slot terminal

### Panel Mount Plug Receptacle - 4 hole Square Flange

| P.N.                    | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|------|--------|------|------------|
| SMA1551C1-3GT50G-0.5-50 | N/A         | Gold | Teflon | 50   | N/A        |

Remark: Size of slot width = 0.3 mm [.01"],  
0.5 mm [.02"],  
0.7 mm [.03"],

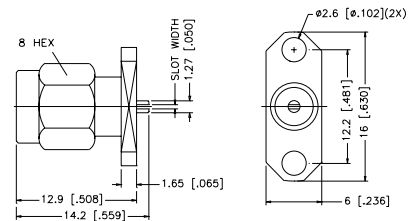


## Panel Receptacle/Slot terminal

### Panel Mount Plug Receptacle - 2 hole Flange

| P.N.                    | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|------|--------|------|------------|
| SMA1551D1-3GT50G-0.5-50 | N/A         | Gold | Teflon | 50   | N/A        |

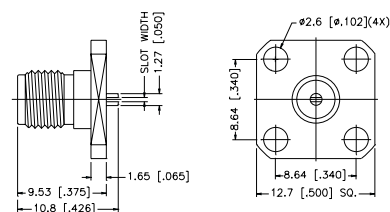
Remark: Size of slot width = 0.3 mm [.01"],  
0.5 mm [.02"],  
0.7 mm [.03"],



### Panel mount Jack Receptacle - 4 hole Square Flange

| P.N.                    | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|------|--------|------|------------|
| SMA6551C1-3GT50G-0.5-50 | N/A         | Gold | Teflon | 50   | N/A        |

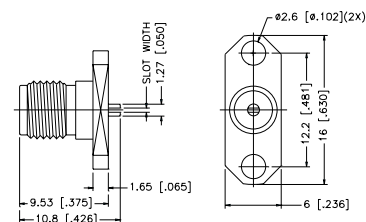
Remark: Size of slot width = 0.3 mm [.01"],  
0.5 mm [.02"],  
0.7 mm [.03"],



### Panel mount Jack Receptacle - 2 hole Square Flange

| P.N.                    | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|------|--------|------|------------|
| SMA6551D1-3GT50G-0.5-50 | N/A         | Gold | Teflon | 50   | N/A        |

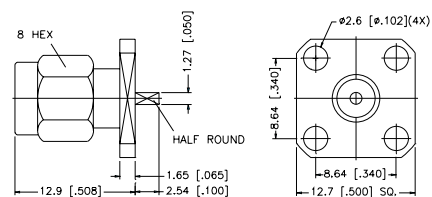
Remark: Size of slot width = 0.3 mm [.01"],  
0.5 mm [.02"],  
0.7 mm [.03"],



## Panel Receptacle/Half Round Solder Pot Terminals

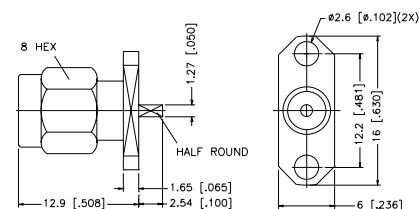
### Panel Mount Plug Receptacle - 4 Hole Square Flange - Half Round Terminal

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA1551G1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



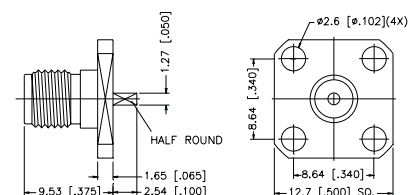
### Panel Mount Plug Receptacle - 2 Hole Flange - Half Round Terminal

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA1551H1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



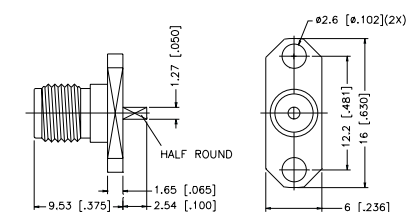
### Panel Mount Jack Receptacle - 4 Hole Square Flange - Half Round Terminal

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA6551G1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



### Panel Mount Jack Receptacle - 2 Hole Flange - Half Round Terminal

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA6551H1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |

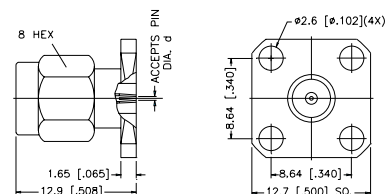


## Panel Receptacle/Terminal Flush to Below Flange

### Panel Mount Plug Receptacle - 4 Hole Sq. Flange - Terminal Flush to Below Flange

| P.N.                     | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|--------------------------|-------------|------|--------|------|------------|
| SMA1551K1-3GT50G-.015-50 | N/A         | Gold | Teflon | 50   | N/A        |

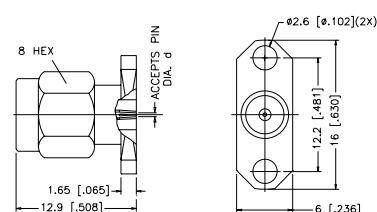
Remark: Pin size of d = .305 mm [.012"],  
.381 mm [.015"],  
.457 mm [.018"]



### Panel Mount Plug Receptacle - 2 Hole Flange - Terminal Flush to Below Flange

| P.N.                     | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|--------------------------|-------------|------|--------|------|------------|
| SMA1551L1-3GT50G-.015-50 | N/A         | Gold | Teflon | 50   | N/A        |

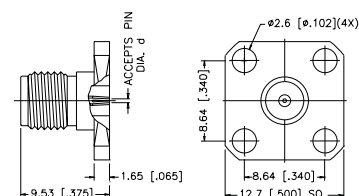
Remark: Pin size of d = .305 mm [.012"],  
.381 mm [.015"],  
.457 mm [.018"]



### Panel Mount Jack Receptacle - 4 Hole Sq. Flange - Terminal Flush to Below Flange

| P.N.                     | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|--------------------------|-------------|------|--------|------|------------|
| SMA6551K1-3GT50G-.015-50 | N/A         | Gold | Teflon | 50   | N/A        |

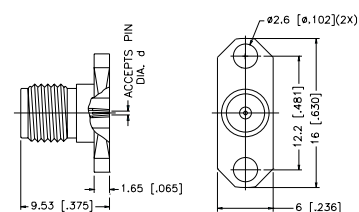
Remark: Pin size of d = .305 mm [.012"],  
.381 mm [.015"],  
.457 mm [.018"]



### Panel Mount Jack Receptacle - 2 Hole Flange - Terminal Flush to Below Flange

| P.N.                     | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|--------------------------|-------------|------|--------|------|------------|
| SMA6551L1-3GT50G-.015-50 | N/A         | Gold | Teflon | 50   | N/A        |

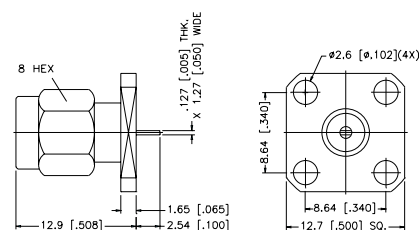
Remark: Pin size of d = .305 mm [.012"],  
.381 mm [.015"],  
.457 mm [.018"]



## Panel Receptacle/Tab Terminal

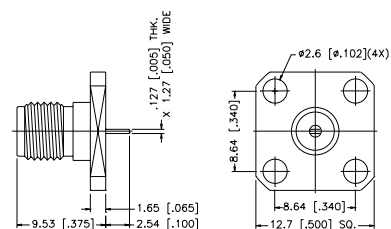
### Panel Mount Plug Receptacle - 4 Hole Square Flange - Tab Terminal

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA1551M1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



### Panel Mount Jack Receptacle - 4 Hole Square Flange - Tab Terminal

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA6551M1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |

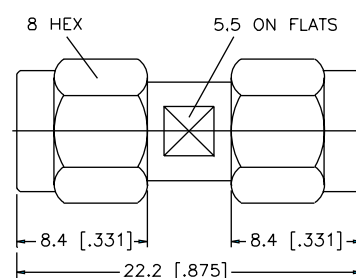


## In-Series Adapters

### Plug-to-Plug Adapter

| P.N.                 | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|------|--------|------|------------|
| SMA2071A1-3GT50G-50  | N/A         | Gold | Teflon | 50   | N/A        |
| SMA2071A1-S/PT50G-50 | N/A         | S/S  | Teflon | 50   | N/A        |

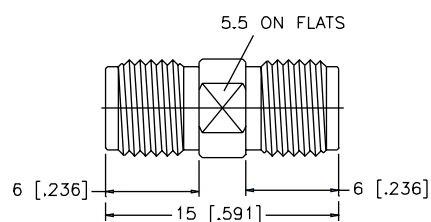
Stainless Steel Body



## In-Series Adapters

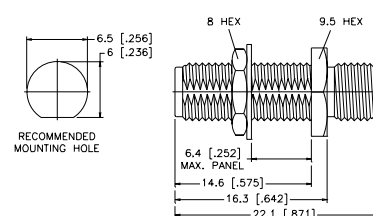
### Jack-to-Jack Adapter

| P.N.                                         | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|----------------------------------------------|-------------|------|--------|------|------------|
| SMA7071A2-3GT50G-50                          | N/A         | Gold | Teflon | 50   | N/A        |
| SMA7071A4-S/PT50G-50<br>Stainless Steel Body | N/A         | S/S  | Teflon | 50   | N/A        |



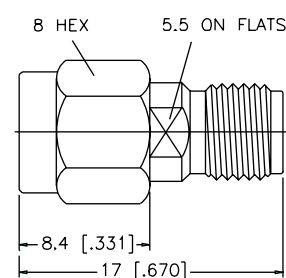
### Jack-to-Jack Adapter - Bulkhead Feedthrough

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA7471B1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



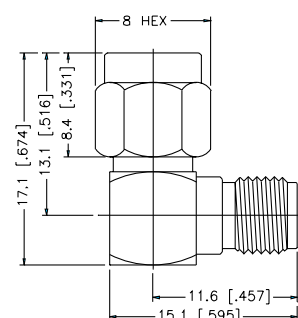
### Plug-to-Jack Adapter

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA5071A1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



### Plug-to-Jack Adapter - Right Angle

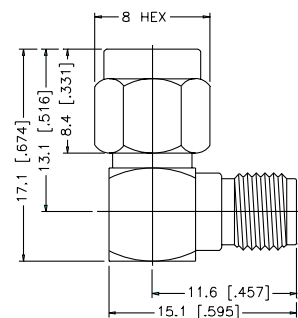
| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA5072A2-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



## In-Series Adapters

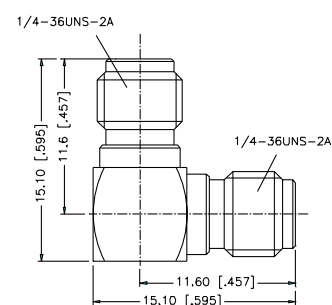
### Plug-to-Jack Adapter - Right Angle

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA5072A2-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



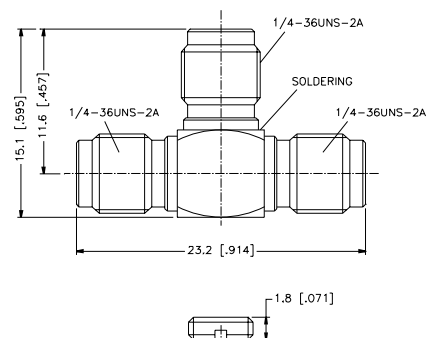
### Jack-to-Jack Adapter - Right Angle

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA7072A1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



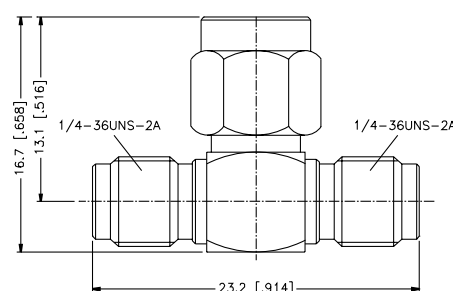
### Jack-to-Jack-to-Jack Tee Adapter

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA8073A1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



### Jack-to-Plug-to-Jack Tee Adapter

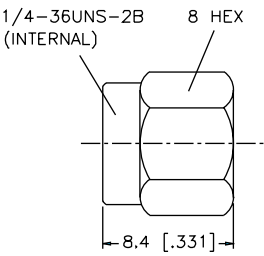
| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMA9073A1-3GT50G-50 | N/A         | Gold | Teflon | 50   | N/A        |



Accessories

Male Cap

| P.N.         | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|--------------|-------------|------|--------|------|------------|
| SMA1005A2-3G | N/A         | Gold | Teflon | 50   | N/A        |



Note:

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The Amphenol SMB/SMC subminiature coaxial connectors with 50 ohm impedance are for applications to 4 GHz (SMB) or 10 GHz (SMC). Generally less expensive than SMA, these connectors are used primarily in applications for microwave telephone and other non-defense telecommunication requirements.

**SMB connectors** feature quick connect/disconnect snap-on mating and operate to 4 GHz with low reflection.

**SMC connectors** have #10-32UNF-threaded screw-on couplings and operate reliably to 10 GHz.

#### Electrical Specifications

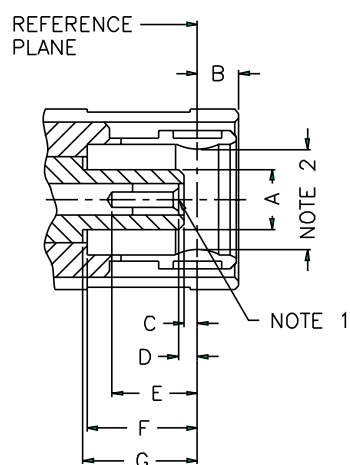
| Electrical data                           |                                   | SMB                            | SMC                            |
|-------------------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| Impedance                                 |                                   | 50 ohm                         | 50 ohm                         |
| Frequency range                           |                                   | 0-4 GHz                        | 0-10 GHz                       |
| VSWR *f in GHz                            | Cable dielectric dimensions       | 0.87 mm [.034"] 1.5 mm [.059"] | 0.87 mm [.034"] 1.5 mm [.059"] |
|                                           | Straight connector DC-1000 MHz    | 1.3 + 0.04f 1.25 + 0.04f       | 1.25 + 0.04f 1.15 + 0.04f      |
|                                           | Right angle connector DC-1000 MHz | 1.4 + 0.08f 1.3 + 0.04f        | 1.4 + 0.06f 1.25 + 0.04f       |
| Dielectric withstanding Voltage 50 Hz rms |                                   | 750V 1000V                     | 750V 1000V                     |
| Working voltage 50 Hz rms                 |                                   | 250V 335V                      | 250V 335V                      |
| Working voltage DC                        |                                   | 350V 450V                      | 350V 450V                      |
| Insulation resistance                     |                                   | 1000 Megohms min               | 1000 Megohms min               |
| Contact                                   | Inner conductor                   | ≤ 3 Megohms                    | ≤ 3 Megohms                    |
| Resistance                                | Outer conductor                   | ≤ 0.5 Megohms                  | ≤ 0.5 Megohms                  |
| Insertion loss<br>(db max.)               | Straight connectors               | .30 db max. at 1.5 GHz         | .25 db max. at 4 GHz           |
|                                           | Right angle connectors            | .60 db max. at 1.5 GHz         | .50 db max. at 4 GHz           |

#### Material Specifications

| Parts Name        |        | Material                                                           | Finish                         |
|-------------------|--------|--------------------------------------------------------------------|--------------------------------|
| Body, Metal parts |        | Brass per QQ-B-626                                                 | Nickel or gold per requirement |
| Contacts          | Male   | Brass per QQ-B-626                                                 | 30 μ"Gold                      |
|                   | Female | Female Beryllium copper, Per QQ-C-530, heat treated per MIL-H-7199 | 30 μ"Gold                      |
| Insulators        |        | PTFE                                                               | None                           |
| Gasket            |        | Silicone rubber                                                    | None                           |
| Crimp ferrules    |        | Seamless copper tubing alloy                                       | Nickel or gold per requirement |

## SMB Coaxial Connectors

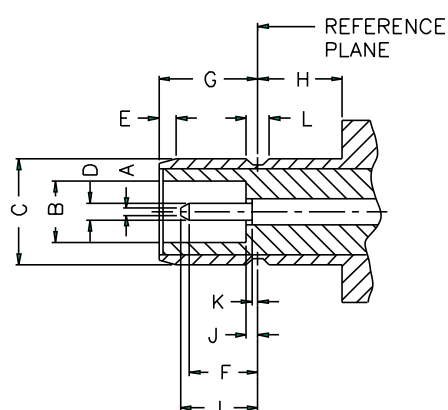
## Interface mating dimensions



## Plug

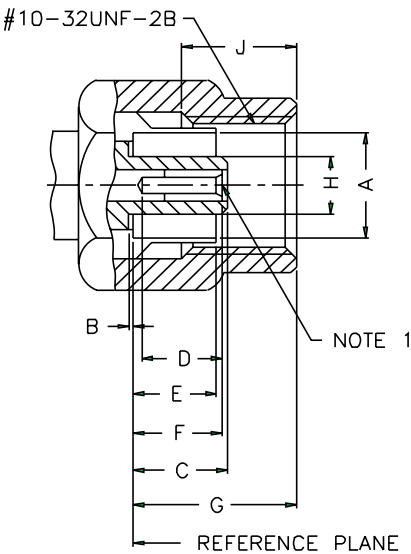
| Letter | Millimeters [Inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| A      | 2.00 [.079]          | 2.06 [.081] |
| B      | -                    | 1.62 [.064] |
| C      | 0.18 [.007]          | -           |
| D      | 0.18 [.007]          | 0.94 [.037] |
| E      | 2.97 [.117]          | -           |
| F      | 3.58 [.141]          | -           |
| G      | 3.58 [.141]          | -           |

## Jack



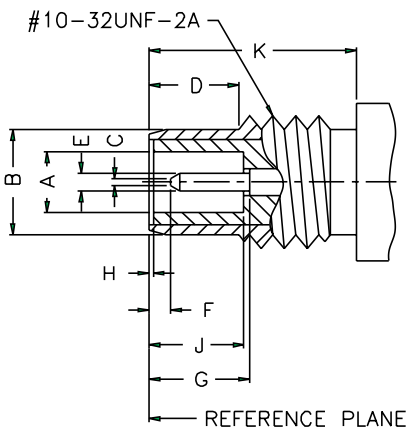
| Letter | Millimeters [Inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| A      | -                    | 0.25 [.010] |
| B      | 2.08 [.082]          | 2.16 [.085] |
| C      | 3.66 [.144]          | 3.71 [.146] |
| D      | 0.48 [.019]          | 0.53 [.021] |
| E      | 0.00                 | -           |
| F      | 1.32 [.052]          | -           |
| G      | 3.33 [.131]          | 3.58 [.141] |
| H      | 2.03 [.080]          | -           |
| I      | -                    | 2.97 [.117] |
| J      | -                    | 0.18 [.007] |
| K      | -                    | 0.18 [.007] |
| L      | 0.69 [.027]          | 0.94 [.037] |

Interface mating dimensions



Plug

| Letter | Millimeters [Inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| A      | 3.73 [.147]          | 3.81 [.150] |
| B      | 0.00                 | 0.30 [.012] |
| C      | 3.15 [ .124]         | 3.40 [.134] |
| D      | 2.97 [.110]          | -           |
| E      | -                    | 3.10 [.122] |
| F      | 3.05 [.120]          | 3.40 [.134] |
| G      | -                    | 5.92 [.233] |
| H      | 2.00 [.079]          | 2.06 [.081] |
| J      | 2.79 [.110]          | -           |



Jack

| Letter | Millimeters [Inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| A      | 2.08 [.082]          | 2.16 [.085] |
| B      | 3.63 [.143]          | 3.71 [.146] |
| C      | -                    | 0.25 [.010] |
| D      | 3.12 [.123]          | 3.38 [.133] |
| E      | 0.48 [.019]          | 0.53 [.021] |
| F      | 0.61 [.024]          | -           |
| G      | 3.40 [.134]          | 3.76 [.148] |
| H      | 0.00                 | 0.30 [.012] |
| J      | 3.40 [.134]          | 3.66 [.144] |
| K      | 5.94 [.234]          | -           |

Note: 1. I.D. To meet VSWR and contact resistance when mated with .48/.53 mm dia. Pin.

All bodies, unless otherwise noted, are machined brass, gold-plated 3μ".

All insulators are Teflon.

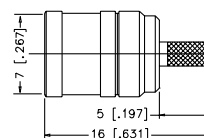
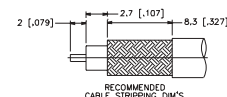
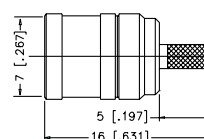
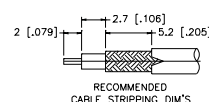
All center contacts are 30μ" gold plated.

All dimensions in millimeters and [inches].

## Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Straight Crimp Plug - Flexible Cable

| P.N.                         | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------------|-------------|--------|--------|------|------------|
| SMB6121A2-NT30G-1-50         | 01          | Nickel | Teflon | 50   | 3 or 4     |
| SMB6121A2-3GT30G-1-50        | 01          | Gold   | Teflon | 50   | 3 or 4     |
| SMB6121A2-NT30G-1A-50        | 01A         | Nickel | Teflon | 50   | 3 or 4     |
| SMB6121A2-3GT30G-1A-50       | 01A         | Gold   | Teflon | 50   | 3 or 4     |
| SMB6121A1-003-NT30G-5-50     | 05          | Nickel | Teflon | 50   | 1 or 2     |
| SMB6121A1-003-3GT30G-5-5A-50 | 05A         | Gold   | Teflon | 50   | 1 or 2     |
| SMB6121A1-NT30G-5A-50        | 05A         | Nickel | Teflon | 50   | 2          |
| SMB6121A1-3GT30G-5A-50       | 05A         | Gold   | Teflon | 50   | 2          |
| SMB6121A1-NT30G-14-50        | 14          | Nickel | Teflon | 50   | 1 or 2     |
| SMB6121A1-3GT30G-14-50       | 14          | Gold   | Teflon | 50   | 1 or 2     |
| SMB6121AA-3GT30G-19-75       | 19          | Gold   | Teflon | 75   | 3          |
| Mini 75 Ohm                  |             |        |        |      |            |
| SMC Connectors               |             |        |        |      |            |
| SMC6121A2-3GT30G-1-50        | 01          | Gold   | Teflon | 50   | 3 or 4     |
| SMC6121A1-NT30G-5-50         | 05          | Nickel | Teflon | 50   | 1 or 2     |
| SMC6121A1-3GT30G-5-50        | 05          | Gold   | Teflon | 50   | 1 or 2     |
| SMC6121A1-3GT30G-5A-50       | 05A         | Gold   | Teflon | 50   | 2          |



Note: Female center contact

SMB6121A2-NT30G-1-50, SMB6121A2-3GT30G-1-50,  
SMB6121A6-3GT30G-16-75, SMB6121A6-3GT30G-19-75

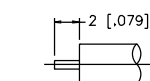
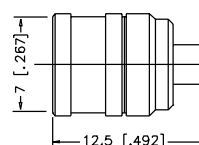
Assembly Instruction J - page 232

### Straight Solder Plug - Semi-Rigid Cable

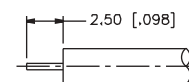
| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| SMB6181A1-3GT30G-11-50 | 11          | Gold | Teflon | 50   | N/A        |
| SMB6181A1-3GT30G-13-50 | 13          | Gold | Teflon | 50   | N/A        |



SMB6181A1-NT30G-11-50, SMB6181A1-3GT30G-11-50



SMB6181A1-3GT30G-13-50



Note: Female center contact

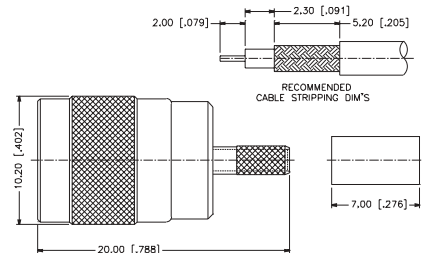
Assembly Instruction C - page 225  
Assembly Instruction E - page 227

## Plug Crimp Attachment for Flexible Cable - Snap lock

### Straight Crimp Plug - Snap Lock - Flexible Cable

| P.N.                      | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------------|-------------|--------|--------|------|------------|
| SMB6121L1-N/3GT30G-16-50  | 16          | Nickel | Teflon | 50   | 3          |
| SMB6121L1-N/3GT30G-16A-50 | 16A         | Nickel | Teflon | 50   | 3          |

Note: Female center contact

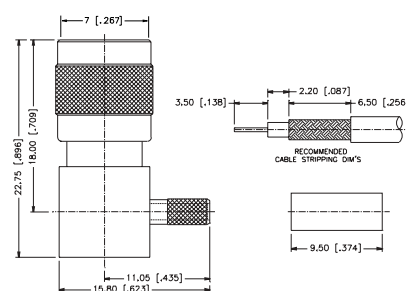


Assembly Instruction J - page 232

### Right Angle crimp Plug - Snap Lock - Flexible Cable

| P.N.                      | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------------|-------------|--------|--------|------|------------|
| SMB6112L1-N/3GT30G-16-50  | 16          | Nickel | Teflon | 50   | 3          |
| SMB6112L1-N/3GT30G-16A-50 | 16A         | Nickel | Teflon | 50   | 3          |

Note: Female center contact



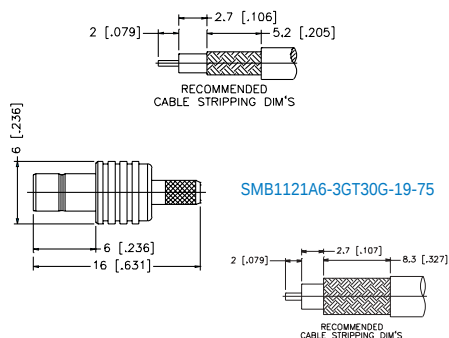
Assembly Instruction I - page 231

## Crimp Attachment for Flexible Cable

### Straight Crimp Jack - Flexible Cable

| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| SMB1121A1-NT30G-5-50   | 05          | Nickel | Teflon | 50   | 1 or 2     |
| SMB1121A1-3GT30G-5-50  | 05          | Gold   | Teflon | 50   | 1 or 2     |
| SMB1121A1-NT30G-5A-50  | 05A         | Nickel | Teflon | 50   | 2          |
| SMB1121A1-3GT30G-5A-50 | 05A         | Gold   | Teflon | 50   | 2          |
| SMB1121A1-NT30G-14-50  | 14          | Nickel | Teflon | 50   | 1 or 2     |
| SMB1121A1-3GT30G-14-50 | 14          | Gold   | Teflon | 50   | 1 or 2     |
| SMC Connectors         |             |        |        |      |            |
| SMC1121G1-NT30G-5-50   | 05          | Nickel | Teflon | 50   | 1 or 2     |
| SMC1121G1-3GT30G-5-50  | 05          | Gold   | Teflon | 50   | 1 or 2     |

Note: Male center contact



SMB1121A6-3GT30G-19-75

Assembly Instruction J - page 232

## Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

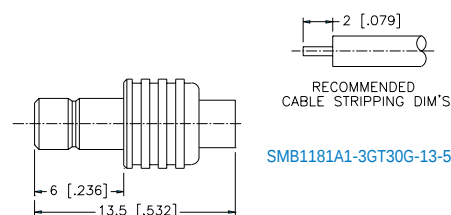
### Straight Solder Jack - Semi-Rigid Cable

| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| SMB1181A1-3GT30G-11-50 | 11          | Gold | Teflon | 50   | N/A        |
| SMB1181A1-3GT30G-13-50 | 13          | Gold | Teflon | 50   | N/A        |

Note: Male center contact

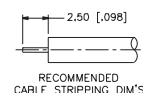


SMB1181A1-3GT30G-11-50



RECOMMENDED  
CABLE STRIPPING DIM'S

SMB1181A1-3GT30G-13-50



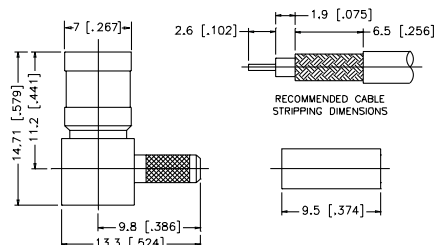
RECOMMENDED  
CABLE STRIPPING DIM'S

Assembly Instruction E - page 227  
Assembly Instruction C - page 225

### Right Angle Crimp Plug - Flexible Cable

| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| SMB6112A1-NT30G-1-50   | 01          | Nickel | Teflon | 50   | 3 or 4     |
| SMB6112A1-3GT30G-1-50  | 01          | Gold   | Teflon | 50   | 3 or 4     |
| SMB6112D1-NT30G-5-50   | 05          | Nickel | Teflon | 50   | 1 or 2     |
| SMB6112D1-3GT30G-5-50  | 05          | Gold   | Teflon | 50   | 1 or 2     |
| SMB6112A1-NT30G-5A-50  | 05A         | Nickel | Teflon | 50   | 2          |
| SMB6112A1-3GT30G-5A-50 | 05A         | Gold   | Teflon | 50   | 2          |
| SMB6112A1-NT30G-14-50  | 14          | Nickel | Teflon | 50   | 1 or 2     |
| SMB6112A1-3GT30G-14-50 | 14          | Gold   | Teflon | 50   | 1 or 2     |
| SMB6112AG-3GT30G-19-75 | 19          | Gold   | Teflon | 75   | 3          |
| Mini 75 Ohm            |             |        |        |      |            |
| SMC Connectors         |             |        |        |      |            |
| SMC6112A1-NT30G-5-50   | 05          | Nickel | Teflon | 50   | 1 or 2     |
| SMC6112A1-3GT30G-5-50  | 05          | Gold   | Teflon | 50   | 1 or 2     |

Note: Female center contact



RECOMMENDED CABLE  
STRIPPING DIMENSIONS

Assembly Instruction I - page 231

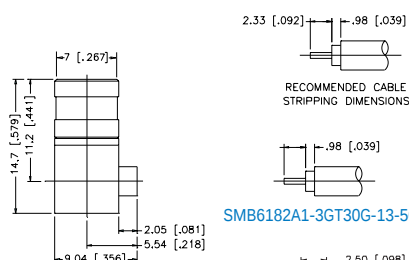
### Right Angle Solder Plug - Semi-Rigid Cable

| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| SMB6182A1-3GT30G-11-50 | 11          | Gold | Teflon | 50   | N/A        |
| SMB6182A1-3GT30G-13-50 | 13          | Gold | Teflon | 50   | N/A        |

Note: Female center contact

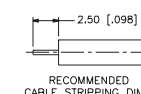


SMB6182A1-NT30G-11-50,  
SMB6182A1-3GT30G-11-50



RECOMMENDED CABLE  
STRIPPING DIMENSIONS

SMB6182A1-3GT30G-13-50



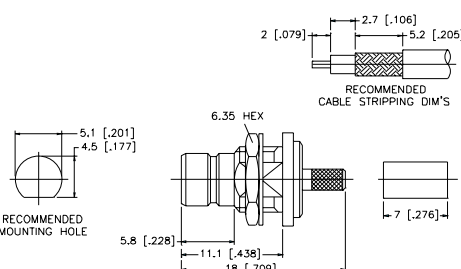
RECOMMENDED  
CABLE STRIPPING DIM'S

Assembly Instruction F - page 228

### Bulkhead Feedthrough Crimp Jack - Flexible cable

| P.N.                     | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------------|-------------|--------|--------|------|------------|
| SMB1421A1-002-NT30G-5-50 | 05          | Nickel | Teflon | 50   | 1 or 2     |
| SMB1421A1-NT30G-3-50     | 03          | Nickel | Teflon | 50   | 1 or 2     |
| SMB1421A1-3GT30G-5-50    | 05          | Gold   | Teflon | 50   | 1 or 2     |
| SMB1421A1-NT30G-5-50     | 05          | Nickel | Teflon | 50   | 1 or 2     |
| SMB1421A1-3GT30G-5A-50   | 05A         | Gold   | Teflon | 50   | 2          |
| SMB1421A1-NT30G-14-50    | 14          | Nickel | Teflon | 50   | 1 or 2     |
| SMB1421A1-3GT30G-14-50   | 14          | Gold   | Teflon | 50   | 1 or 2     |
| SMC Connectors           |             |        |        |      |            |
| SMC1421G1-NT30G-5-50     | 05          | Nickel | Teflon | 50   | 1 or 2     |
| SMC1421A1-3GT30G-5-50    | 05          | Gold   | Teflon | 50   | 1 or 2     |

Note: Male center contact



RECOMMENDED  
CABLE STRIPPING DIM'S

RECOMMENDED  
MOUNTING HOLE

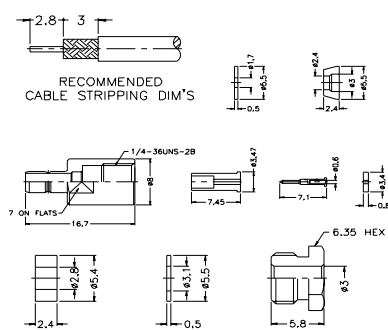
Assembly Instruction J - page 232



## Clamp Attachment for Flexible Cable

### Straight Clamp Jack - Miniature Cable

| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| SMB1141C1-NT3G-5-50  | 05          | Nickel | Teflon | 50   |            |
| SMB1141C1-3GT3G-5-50 | 05          | Gold   | Teflon | 50   |            |

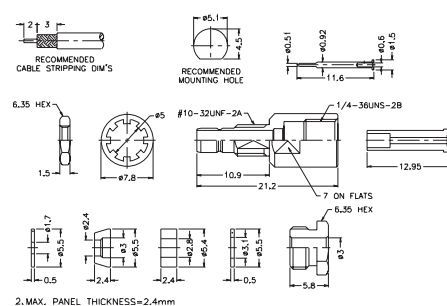


Note: Male center contact

Assembly Instruction M - page 235

### Bulkhead Feedthrough Clamp Jack - Miniature Cable

| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| SMB1441C1-NT3G-5-50  | 05          | Nickel | Teflon | 50   |            |
| SMB1441C1-3GT3G-5-50 | 05          | Gold   | Teflon | 50   |            |

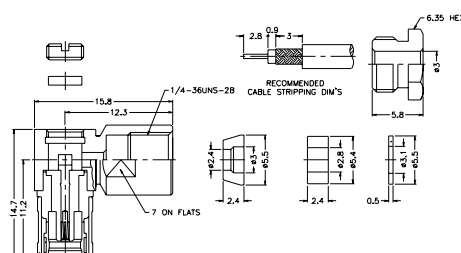


Note: Male center contact

Assembly Instruction M - page 235

### Right Angle Clamp Plug - Miniature Cable

| P.N.                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|--------|--------|------|------------|
| SMB6142C1-NT30G-5-50  | 05          | Nickel | Teflon | 50   |            |
| SMB6142C1-3GT30G-5-50 | 05          | Gold   | Teflon | 50   |            |



Note: Female center contact

Assembly Instruction M - page 235

[illegible]

### Snap-On

Figure 1 shows the dimensions of the PCB mounting holes. The top view indicates a square layout with four mounting holes. The center-to-center distance between adjacent holes is 2.54 inches [100 mm]. The distance from the center of a hole to the nearest edge is 5.08 inches [200 mm]. The hole diameter is specified as either 1.7 inches [8.067 mm] or 1.2 inches [8.047 mm]. The side view shows the PCB thickness is 0.06 inches [1.60 mm], and the mounting holes are 6.1 inches [240 mm] apart.

### Low cost version

### Low cost version

[illegible]

SMB1251A4-3GT30G-50

59

## Printed circuit Board Connectors

### Straight Bulkhead Jack for P.C. Board

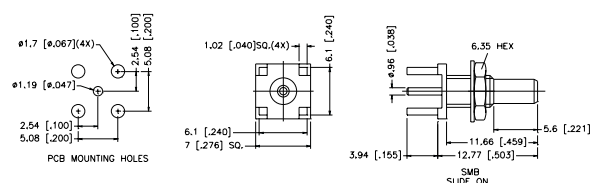
| P.N.                            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------------------|-------------|--------|--------|------|------------|
| SMB1451B1-004-NT30G-50 Slide-On | N/A         | Nickel | Teflon | 50   | N/A        |
| SMB1451B1-003-NT30G-50          | N/A         | Nickel | Teflon | 50   | N/A        |
| SMB1451B1-003-3GT30G-50         | N/A         | Gold   | Teflon | 50   | N/A        |

Note: Male center contact

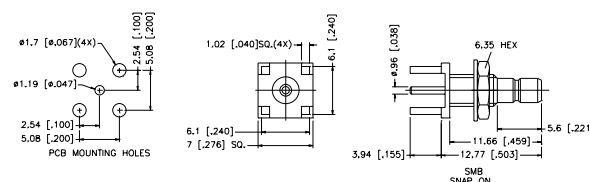


Assembly Instruction B - page 224

#### Snap-On



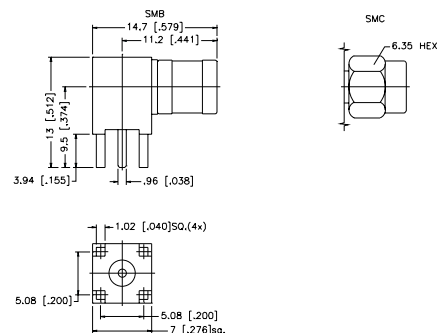
#### Slide-On



### Right Angle Plug for P.C. Board

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| SMB6252B1-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| SMB6252B1-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |
| SMC Connectors      |             |        |        |      |            |
| SMC6252B1-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| SMC6252B1-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |

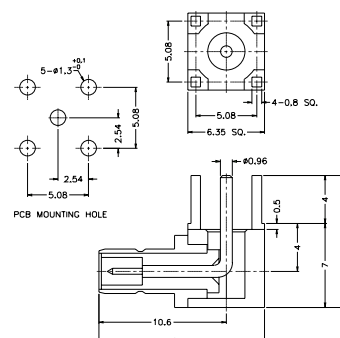
Note: Female center contact



### Right Angle Jack for P.C. Board

| P.N.                | Cable Group | Plt.     | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|----------|--------|------|------------|
| SMB1252B1-NT30G-50  | N/A         | Nickel   | Teflon | 50   | N/A        |
| SMB1252B1-3GT30G-50 | N/A         | Gold     | Teflon | 50   | N/A        |
| SMB1252B1-TT30G-50  | N/A         | Tin Lead | Teflon | 50   | N/A        |
| SMC Connectors      |             |          |        |      |            |
| SMC1252B1-NT30G-50  | N/A         | Nickel   | Teflon | 50   | N/A        |
| SMC1252B1-3GT30G-50 | N/A         | Gold     | Teflon | 50   | N/A        |

Note: Male center contact

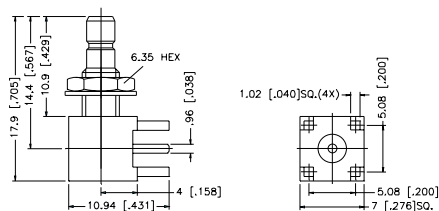


## Printed circuit Board Connectors

### Right Angle Bulkhead Jack for P.C. Board

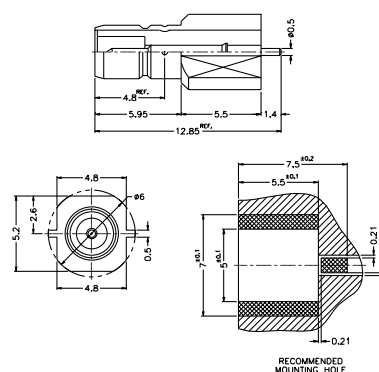
| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| SMB74971-001-3GT30G-50 | N/A         | Gold | Teflon | 50   | N/A        |

Note: Male center contact



### SMT Jack Edge-Card

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| SMB1251S1-3GT30G-50 | N/A         | Gold | Teflon | 50   | N/A        |

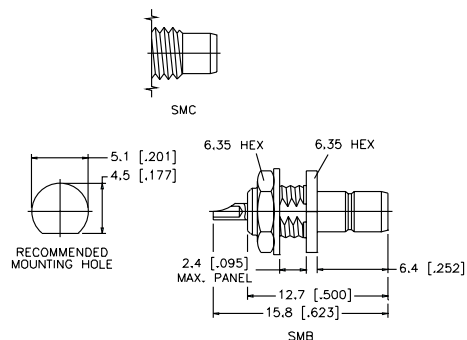


## Bulkhead Jack Receptacle/Solder Cup Terminal

### Bulkhead Jack Receptacle - Front Mount

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| SMB1351B1-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| SMB1351B1-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |
| SMC Connectors      |             |        |        |      |            |
| SMC1351B1-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| SMC1351B1-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |

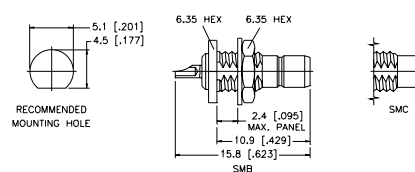
Note: Male center contact



## Bulkhead Jack Receptacle/Solder Cup Terminal

### Bulkhead Jack Receptacle - Rear Mount

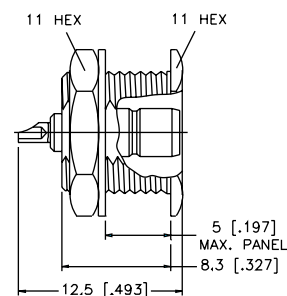
| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| SMB1451B1-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| SMB1451B1-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |
| SMC Connectors      |             |        |        |      |            |
| SMC1451B1-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| SMC1451B1-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |



Note: Male center contact

### Bulkhead Recessed Jack Receptacle

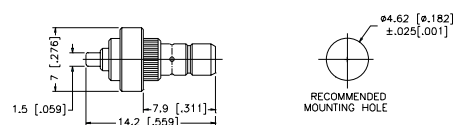
| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| SMB1351B9-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| SMB1351B9-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |



Note: Male center contact

### Push Fit Jack Receptacle

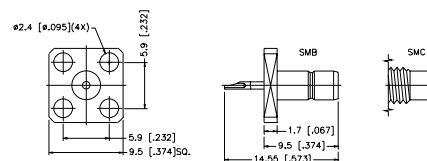
| P.N.                    | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|------|--------|------|------------|
| SMB1051A2-003-3GT30G-50 | N/A         | Gold | Teflon | 50   | N/A        |



## Panel Receptacle/Solder Cup Terminal

### Panel Mount Jack Receptacle - 4 Hole Square Flange

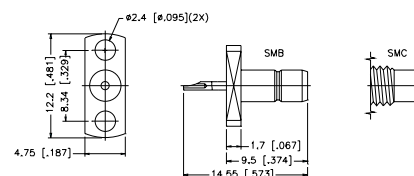
| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| SMB1551A1-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| SMB1551A1-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |
| SMC Connectors      |             |        |        |      |            |
| SMC1551A1-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| SMC1551A1-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |



Note: Male center contact

### Panel Mount Jack Receptacle - 2 Hole Flange

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| SMB1551B1-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| SMB1551B1-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |
| SMC Connectors      |             |        |        |      |            |
| SMC1551B1-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| SMC1551B1-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |

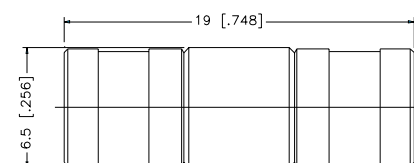


Note: Male center contact

## In-Series adapters

### Plug-to-Plug Adapter

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| SMB7071A1-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| SMB7071A1-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |



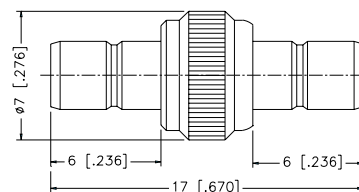
Note: Female center contact

## In-Series adapters

### Jack-to-Jack Adapter

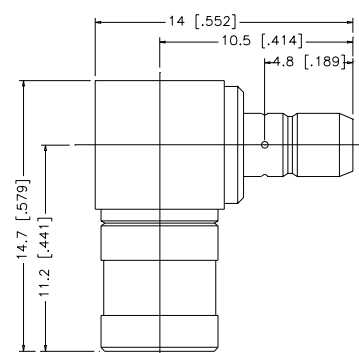
| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| SMB2071A1-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| SMB2071A1-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |

Note: Male center contact



### Plug-to-Jack Adapter - Right Angle

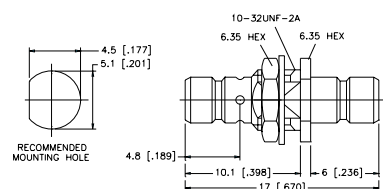
| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| SMB5072A1-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| SMB5072A1-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |



### Jack-to-Jack Adapter - Bulkhead

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| SMB2471A1-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| SMB2471A1-3GT30G-50 | N/A         | Gold   | Teflon | 50   | N/A        |

Note: Male center contact



The Amphenol SMZ type 43 can be divided in 2 versions; the standard BT43 (12,7mm) and high density (10,0mm).

The connectors are fully compliant to the British Telecom standards.

The Industry part number (British Telecom) has been printed in blue under Amphenol part number for easy crossing.

#### Electrical Specifications

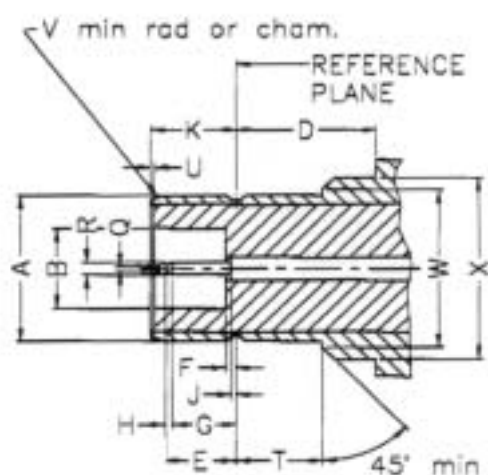
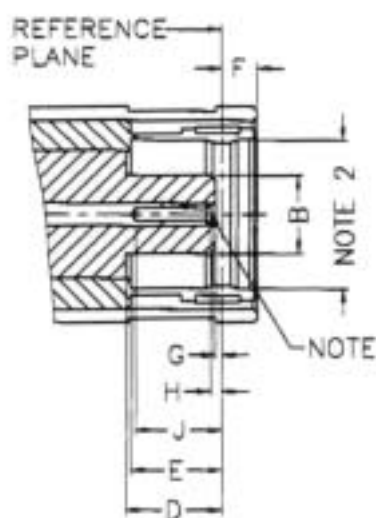
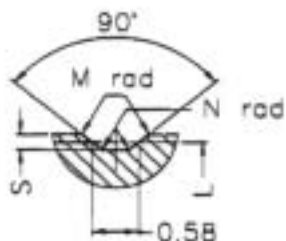
|                                 |                |
|---------------------------------|----------------|
| Electrical data                 | SMZ type 43    |
| Impedance                       | 75 ohm         |
| Frequency range                 | DC - 3 GHz     |
| Temperature Range               | -40 to + 100°C |
| VSWR (Straight connectors)      | 1.20 max.      |
| VSWR (Right Angle connectors)   | 1.25 max.      |
| Voltage Rating                  | 500 Vrms max.  |
| Dielectric Withstanding Voltage | 1500 Vrms min. |
| Insulation Resistance           | 5000 megaohms  |
| Contact Inner conductor         | 5 megaohms     |
| Resistance Outer conductor      | 1megaohms      |

#### Material Specifications

| Parts Name             | Material           | Finish              |
|------------------------|--------------------|---------------------|
| Body, Metal parts      | Brass per QQ-B-626 | Selective Gold/Gold |
| Outer Contacts         | Phosphor Bronze    | Gold                |
| Centre Contacts Male   | Brass              | Gold                |
| Centre Contacts Female | Beryllium copper   | Gold                |
| Insulator              | Teflon             | N/A                 |
| Panel ring             | Delrin             | N/A                 |
| Ferrule                | Brass              | Nickel              |

#### Mechanical Specifications

|                                                                                                                       |                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Engagement force                                                                                                      | All snap-on, Screw-Lock & Posi lock styles except U links = 13.5 lbs max. (60 N)                     |
| Disengagement force                                                                                                   | All snap-on, Screw-Lock & Posi lock styles except U links = 13.5 lbs (60 N) max., 8 N (1.8 lbs) min. |
| Cable Retention (Plug Connectors)                                                                                     | 49.46 lbs (220 N min). ***                                                                           |
| Cable Retention (Socket Connectors)                                                                                   | 49.46 lbs (220 N min). ***                                                                           |
| Centre Contact Retention (Plug Connectors)                                                                            | 5 lbs (22 N min.)                                                                                    |
| Centre Contact Retention (Socket Connectors)                                                                          | 5 lbs (22 N min.)                                                                                    |
| *** Note, lower cable retention value for RG179 - 13.5 lbs (60 N min.) and BT3002/TZC 75024 - 33.72 lbs (150 N min.). |                                                                                                      |



## Socket

| Letter | Millimeters [Inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| B      | -                    | 3.33 [.131] |
| D      | 3.58 [.141]          | -           |
| E      | 3.58 [.141]          | -           |
| F      | -                    | 1.98 [.078] |
| G      | 0.18 [.007]          | -           |
| H      | 0.18 [.007]          | 0.94 [.037] |
| J      | 2.97 [.117]          | -           |

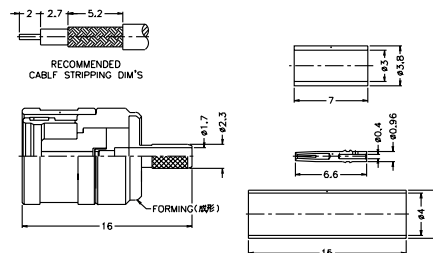
## Plug

| Letter | Millimeters [Inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| A      | 6.20 [.244]          | 6.20 [.244] |
| B      | 3.35 [.132]          | -           |
| D      | 2.36 [.093]          | -           |
| E      | -                    | 2.97 [.117] |
| F      | -                    | 0.18 [.007] |
| G      | 1.32 [.052]          | -           |
| H      | 0.25 [.010]          | -           |
| J      | -                    | 0.18 [.007] |
| K      | 3.33 [.131]          | 3.58 [.141] |
| L      | 5.97 [.117]          | 6.07 [.239] |
| M      | 0.05 [.002]          | 0.15 [.006] |
| N      | -                    | 0.13 [.005] |
| Q      | -                    | 0.25 [.010] |
| R      | 0.48 [.019]          | 0.53 [.021] |
| S      | 0.15 [.006]          | 0.25 [.010] |
| T      | 2.01 [.079]          | -           |
| U      | 0.00                 | -           |
| V      | 0.10 [.004]          | 0.20 [.008] |
| W      | -                    | 6.99 [.275] |
| X      | -                    | 7.94 [.313] |

# Crimp Attachment for flexible Cable

## Straight Crimp Plug - Flexible Cable

| P.N.                          | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------------|-------------|------|--------|------|------------|
| SMZ6121A6-002-N/3GT30G-6-7506 | 06          | Gold | Teflon | 75   | 1 or 2     |
| SMZ6121A6-3GT30G-6-7506       | 06          | Gold | Teflon | 75   | 1 or 2     |
| SMZ6121A6-3GT30G-16-7516      | 16          | Gold | Teflon | 75   | 9          |
| SMZ6121A6-3GT30G-16A-7516A    | 16A         | Gold | Teflon | 75   | 9          |
| SMZ6121A6-3GT30G-19-7519      | 19          | Gold | Teflon | 75   | 9          |



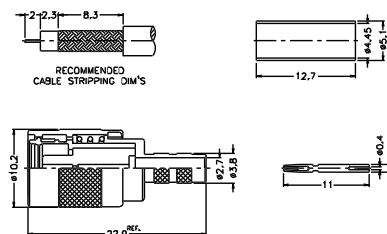
Note: Female center contact

## Straight Crimp Plug - Snap Lock - Flexible Cable

| P.N.                        | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------------|-------------|--------|--------|------|------------|
| SMZ6121L1-N/3GT30G-6-7506   | 06          | Nickel | Teflon | 75   | 1 or 2     |
| SMZ6121L1-N/3GT30G-6A-7506A | 06A         | Nickel | Teflon | 75   | 2          |
| SMZ6121L1-N/3GT30G-19-7519  | 19          | Nickel | Teflon | 75   | 3          |



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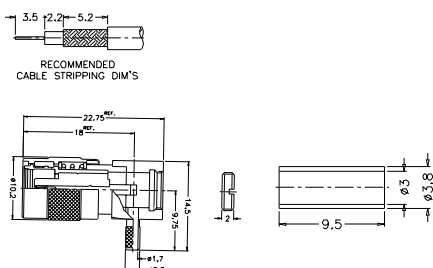


Note: Female center contact

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## Right Angle Crimp Plug - Snap - Lock - Flexible Cable

| P.N.                        | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------------|-------------|--------|--------|------|------------|
| SMZ6112L1-N/3GT30G-6-7506   | 06          | Nickel | Teflon | 75   | 1 or 2     |
| SMZ6112L1-N/3GT30G-6A-7506A | 06A         | Nickel | Teflon | 75   | 2          |
| SMZ6112L1-N/3GT30G-19-7519  | 19          | Nickel | Teflon | 75   | 3          |

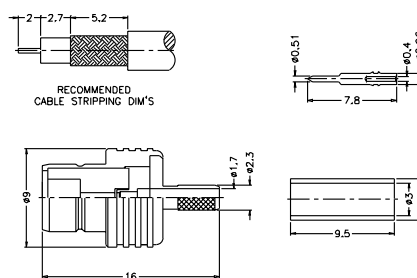


Note Female center contact

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## Straight Crimp Jack - Flexible Cable

| P.N.                     | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------------|-------------|--------|--------|------|------------|
| SMZ1121A6-NT30G-6-7506   | 06          | Nickel | Teflon | 75   | 1 or 2     |
| SMZ1121A6-3GT30G-6-7506  | 06          | Gold   | Teflon | 75   | 1 or 2     |
| SMZ1121A6-3GT30G-19-7519 | 19          | Gold   | Teflon | 75   | 3          |



Note Male center contact

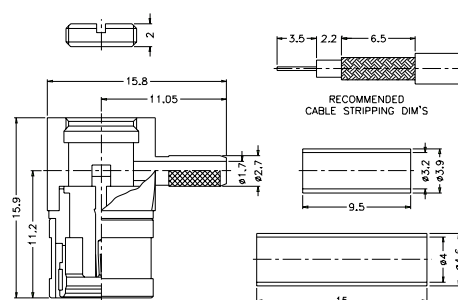
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## Crimp Attachment for Flexible Cable

### Right Angle Crimp Plug - Flexible Cable

| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| SMZ6112A6-NT30G-6-75   | 06          | Nickel | Teflon | 75   | 1 or 2     |
| SMZ6112A6-3GT30G-6-75  | 06          | Gold   | Teflon | 75   | 1 or 2     |
| SMZ6112A6-3GT30G-19-75 | 19          | Gold   | Teflon | 75   | 3          |

Note Female center contact

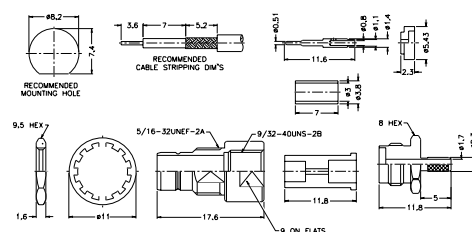


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### Bulkhead Feedthrough Crimp Jack - Flexible Cable

| P.N.                  | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|------|--------|------|------------|
| SMZ1421G6-3GT30G-6-75 | 06          | Gold | Teflon | 75   | 1 or 2     |

Note Male center contact



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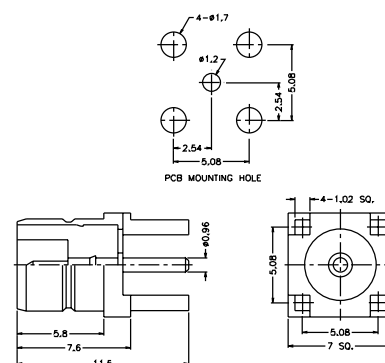
## Printed circuit Board Connectors

### Straight Jack for P.C. Board

| P.N.                    | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|------|--------|------|------------|
| SMZ1251B6-3GT30G-75     | N/A         | Gold | Teflon | 75   | N/A        |
| SMZ1251B6-002-3GT30G-75 | N/A         | Gold | Teflon | 75   | N/A        |

"4.43 mm (.175") PCB Legs"

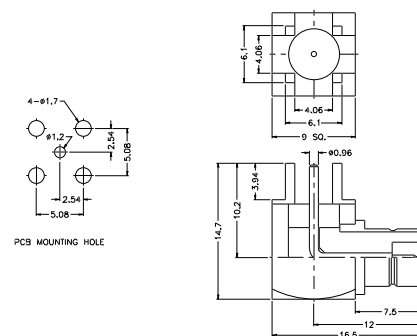
Note: Male center contact



## Right Angle Receptacle Jack

| P.N.                    | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|------|--------|------|------------|
| SMZ1252B1-30GT30G-75    | N/A         | Gold | Teflon | 75   | N/A        |
| SMZ1252B4-3GT30G-75     | N/A         | Gold | Teflon | 75   | N/A        |
| SMZ1252B4-001-3GT30G-75 | N/A         | Gold | Teflon | 75   | N/A        |

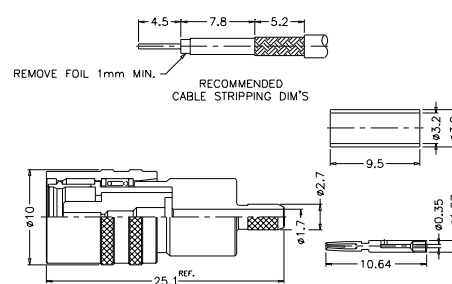
Note: Male center contact



## HDC type 43

### Straight Plug

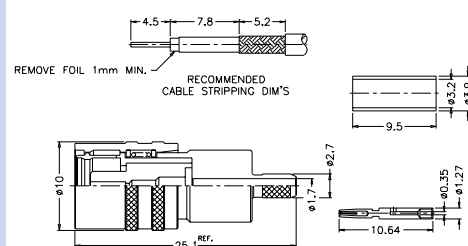
| P.N.                        | Cable Group | Plt.   | Ins.   | Imp. | Tool Ferrule |
|-----------------------------|-------------|--------|--------|------|--------------|
| T43142B2-N/10GT30G-2001-75  | N/A         | Nickel | Teflon | 75   | N/A          |
| BT43/1GTIS                  |             |        |        |      |              |
| T431421B2-N/10GT30G-2002-75 | N/A         | Nickel | Teflon | 75   | 55AR0052     |
| BT43/2GTIS                  |             |        |        |      |              |
| T431421B2-N/10GT30G-2003-75 | N/A         | Nickel | Teflon | 75   | Hex 6,83     |
| BT43/3GTIS                  |             |        |        |      |              |
| T431421B1-N/10GT30G-6-75    | 06          | Nickel | Teflon | 75   | 1            |
| BT43/4GTIS                  |             |        |        |      |              |
| T431421B2-N/10GT30G-3002-75 | 16A         | Nickel | Teflon | 75   | 3            |
| BT43/5GTIS                  |             |        |        |      |              |



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### Straight Jack

| P.N.                        | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------------|-------------|--------|--------|------|------------|
| T436121B2-N/10GT30G-2001-75 | N/A         | Nickel | Teflon | 75   | N/A        |
| BT43/1FS                    |             |        |        |      |            |
| T436121B2-N/10GT30G-2002-75 | N/A         | Nickel | Teflon | 75   | 55AR0052   |
| BT43/2FS                    |             |        |        |      |            |
| T436121B2-N/10GT30G-2003-75 | N/A         | Nickel | Teflon | 75   | Hex 6,83   |
| BT43/3FS                    |             |        |        |      |            |
| T436121B1-N/10GT30G-6-75    | 06          | Nickel | Teflon | 75   | 1          |
| BT43/4FS                    |             |        |        |      |            |
| T436121B2-N/10GT30G-16A-75  | 16A         | Nickel | Teflon | 75   | 3          |
| BT43/5FS                    |             |        |        |      |            |

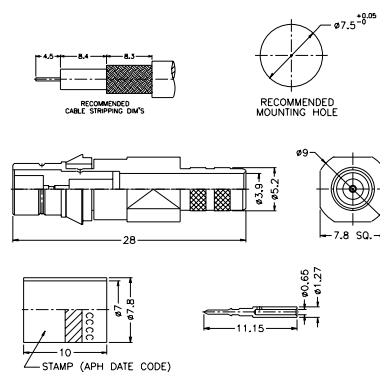


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## HDC type 43

### Straight Plug

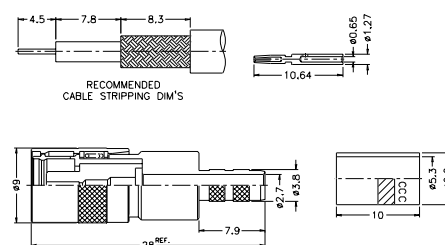
| P.N.                                          | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------------------------------|-------------|--------|--------|------|------------|
| H431421B2-N/10GT30G-2001-75N/A<br>HDC43/1GTIS |             | Nickel | Teflon | 75   | N/A        |
| H431421B2-N/10GT30G-2002-75N/A<br>HDC43/2GTIS |             | Nickel | Teflon | 75   | 55AR0052   |
| H431421B2-N/10GT30G-2003-75N/A<br>HDC43/3GTIS |             | Nickel | Teflon | 75   | Hex 6,83   |
| H43121B1-N/10GT30G-6-75<br>HDC43/4GTIS        | 06          | Nickel | Teflon | 75   | 1          |
| H431421B2-N/10GT30G-16A-75<br>HDC43/5GTIS     | 16A         | Nickel | Teflon | 75   | 3          |
| H431421B2-001-N/10GT30G-75<br>HDC43/7GTIS     | 23          | Nickel | Teflon | 75   | 55AR0052   |



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### Straight Jack

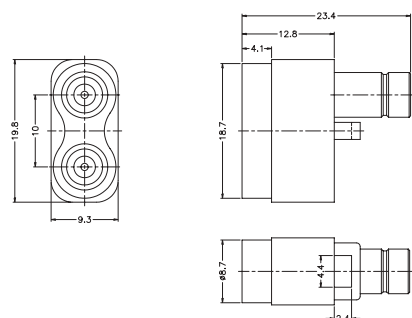
| P.N.                                        | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------------------------------|-------------|--------|--------|------|------------|
| H436121B2-N/10GT30G-2001-75N/A<br>HDC43/1FS |             | Nickel | Teflon | 75   | N/A        |
| H436121B2-N/10GT30G-2002-75N/A<br>HDC43/2FS |             | Nickel | Teflon | 75   | 55AR0052   |
| H436121B2-N/10GT30G-2003-75N/A<br>HDC43/3FS |             | Nickel | Teflon | 75   | Hex 6,83   |
| H436121B1-N/10GT30G-6-75<br>HDC43/4FS       | 06          | Nickel | Teflon | 75   | 1          |
| H436121B2-N/10GT30G-16A-75<br>HDC43/5FS     | 16A         | Nickel | Teflon | 75   | 3          |
| H436121B2-001-N/10GT30G-75<br>HDC43/7FS     | 23          | Nickel | Teflon | 75   | 55AR0052   |



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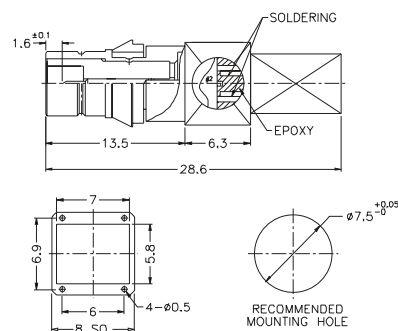
### U-Link

| P.N.                               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------------------|-------------|--------|--------|------|------------|
| H439070A1-N/3GT30G-75<br>HDC43/10B | N/A         | Nickel | Teflon | 75   | N/A        |
| H437076A1-N/3GT30G-75<br>HDC43/10A | N/A         | Gold   | Teflon | 75   | N/A        |



### HDC type 43 75/120 ohm Balun Plug

| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| H43140100-3GT30G-75 | N/A         | Gold | Teflon | 75   | N/A        |



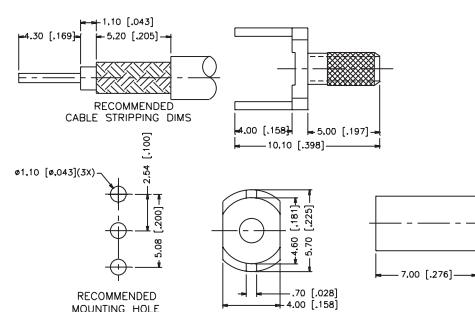
1. MAX. PANEL THICKNESS=5mm

Coaxial terminators are a low-cost solution to connect directly to your P.C. board, or where a signal needs to be continued within the equipment while the braid is terminated to the panel. Amphenol offers a large selection of cable types and connector styles. Fits MCX, SMA, SMB and SMC mounting-hole spacing.

## Straight Crimp P.C. Board - 2 hole Mount - Flexible Cable

| P.N.             | Cable Group | Plt. | Ins. | Imp. | Crimp Tool |
|------------------|-------------|------|------|------|------------|
| TMN0111T2-3G-1   | 01          | Gold | N/A  | N/A  | 3 or 4     |
| TMN0111T2-3G-1A  | 01A         | Gold | N/A  | N/A  | 3 or 4     |
| TMN0111T1-3G-3   | 03          | Gold | N/A  | N/A  | 4          |
| TMN0111T1-3G-5   | 05/06       | Gold | N/A  | N/A  | 1 or 2     |
| TMN0111T1-3G-5A  | 05A/06A     | Gold | N/A  | N/A  | 2          |
| TMN0111T1-3G-14  | 14          | Gold | N/A  | N/A  | 1 or 2     |
| TMN0111T1-3G-16  | 16          | Gold | N/A  | N/A  | 3          |
| TMN0111T1-3G-16A | 16A         | Gold | N/A  | N/A  | 3          |

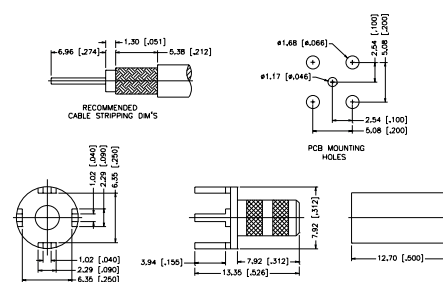
Note: Through hole or SMT mounting



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## Straight Crimp P.C. Board - 4 hole Mount - Flexible Cable

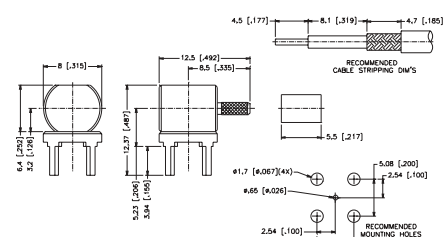
| P.N.             | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|------------------|-------------|--------|------|------|------------|
| TMN0111B1-N-1    | 01          | Nickel | N/A  | N/A  | 3 or 4     |
| TMN0111B1-3G-1   | 01          | Gold   | N/A  | N/A  | 3 or 4     |
| TMN0111B1-3G-1A  | 01A         | Gold   | N/A  | N/A  | 3 or 4     |
| TMN0111B1-3G-3   | 03          | Gold   | N/A  | N/A  | 4          |
| TMN0111B2-N-5    | 05/06       | Nickel | N/A  | N/A  | 1 or 2     |
| TMN0111B2-3G-5   | 05/06       | Gold   | N/A  | N/A  | 1 or 2     |
| TMN0111B2-3G-5A  | 05A/06A     | Gold   | N/A  | N/A  | 2          |
| TMN0111B3-3G-14  | 14          | Gold   | N/A  | N/A  | 1 or 2     |
| TMN0111B1-3G-16  | 16          | Gold   | N/A  | N/A  | 3          |
| TMN0111B1-3G-16A | 16A         | Gold   | N/A  | N/A  | 3          |



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## Right Angle Crimp P.C. Board - 4 hole Mount - Miniature Cable

| P.N.            | Cable Group | Plt. | Ins. | Imp. | Crimp Tool |
|-----------------|-------------|------|------|------|------------|
| TMN0112U1-3G-5  | 05/06       | Gold | N/A  | N/A  | 1 or 2     |
| TMN0112U1-3G-5A | 05A/06A     | Gold | N/A  | N/A  | 2          |
| TMN0112U1-3G-14 | 14          | Gold | N/A  | N/A  | 1 or 2     |

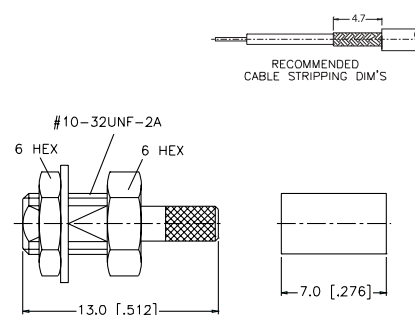


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## Shielded Terminations for Coaxial Cable

### Straight Crimp - Bulkhead Mount - Flexible Cable

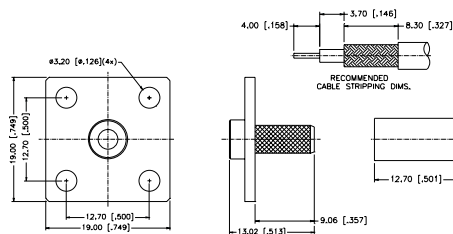
| P.N.            | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|-----------------|-------------|--------|------|------|------------|
| TMN0411A2-N-1   | 01          | Nickel | N/A  | N/A  | 3 or 4     |
| TMN0411A2-N-1A  | 01A         | Nickel | N/A  | N/A  | 3 or 4     |
| TMN0411A3-N-3   | 03          | Nickel | N/A  | N/A  | 4          |
| TMN0411A1-N-5   | 05/06       | Nickel | N/A  | N/A  | 1 or 2     |
| TMN0411A1-N-5A  | 05A/06A     | Nickel | N/A  | N/A  | 2          |
| TMN0411A1-N-14  | 14          | Nickel | N/A  | N/A  | 1 or 2     |
| TMN0411A2-N-16  | 16          | Nickel | N/A  | N/A  | 3          |
| TMN0411A2-N-16A | 16A         | Nickel | N/A  | N/A  | 3          |



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### Straight Crimp - 4 hole Flange Mount - Flexible and semi-rigid Cable

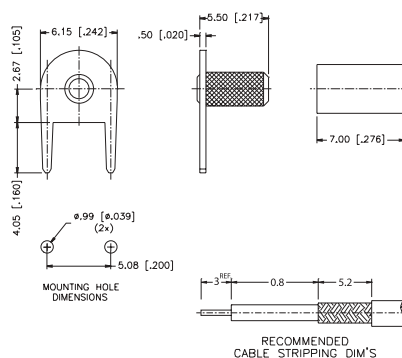
| P.N.                              | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|-----------------------------------|-------------|--------|------|------|------------|
| TMN0511A2-N-1                     | 01          | Nickel | N/A  | N/A  | 3 or 4     |
| TMN0511A2-N-1A                    | 01A         | Nickel | N/A  | N/A  | 3 or 4     |
| TMN0511A1-N-5                     | 05/06       | Nickel | N/A  | N/A  | 1 or 2     |
| TMN0511A1-N-5A                    | 05A/06A     | Nickel | N/A  | N/A  | 2          |
| TMN0581A1-3G-10 SMA 4-hole flange | 10          | Gold   | N/A  | N/A  | N/A        |
| TMN0581B1-3G-11 SMA 2-hole flange | 11          | Gold   | N/A  | N/A  | N/A        |
| TMN0511A1-N-14                    | 14          | Nickel | N/A  | N/A  | 1 or 2     |
| TMN0511A2-N-16                    | 16          | Nickel | N/A  | N/A  | 3          |
| TMN0511A2-N-16A                   | 16A         | Nickel | N/A  | N/A  | 3          |



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### Right Angle Crimp - 2 hole P.C. Board Mount

| P.N.         | Cable Group | Plt.     | Ins. | Imp. | Crimp Tool |
|--------------|-------------|----------|------|------|------------|
| SK0644-NBT-5 | 05/06       | Tin Lead | N/A  | N/A  | 1 or 2     |



Assembly Instruction J - page 232

The SMP interface is a subminiature interface in the same scale as MMCX connectors but offers a frequency range of DC to 40 GHz. It is commonly used in miniaturized high frequency coaxial modules and is offered in both push-on and snap-on mating styles.

#### Electrical Specifications

|                           |                      |
|---------------------------|----------------------|
| Impedance                 | 50 ohm               |
| Frequency range           | DC - 40 GHz          |
| VSWR                      | < 1.50               |
| Insertion Loss            | 0.1 dB maximum/1 GHz |
| Insulator Resistance      | 5,000 MΩ             |
| Center Contact Resistance | < 6 mΩ               |
| Outer Contact Resistance  | < 2 mΩ               |
| Test Voltage              | 500 V rms            |
| Working Voltage           | 335 V rms            |
| Contact Current           | 1.2 A DC maximum     |

#### Material Specifications

|                             |                                                |
|-----------------------------|------------------------------------------------|
| Male Body                   | Gold-plated brass                              |
| Female Body                 | Gold-plated beryllium copper                   |
| Pin Contact                 | Gold-plated brass Gold-plated beryllium copper |
| Socket Contact              | Gold-plated brass Gold-plated beryllium copper |
| Spring Loaded Contact Parts | Beryllium copper                               |
| Insulator                   | PTFE                                           |
| Crimping Sleeve             | Copper Alloy                                   |

#### Environmental Specifications

|                   |                                           |
|-------------------|-------------------------------------------|
| Temperature Range | -65°C to +155°C                           |
| Vibration         | MIL-STD-202, method 204, test condition B |
| Humidity          | MIL-STD-202, method 106, test condition D |
| Shock             | MIL-STD-202, method 213, test condition B |
| Temperature Cycle | MIL-STD-202, method 102, test condition C |

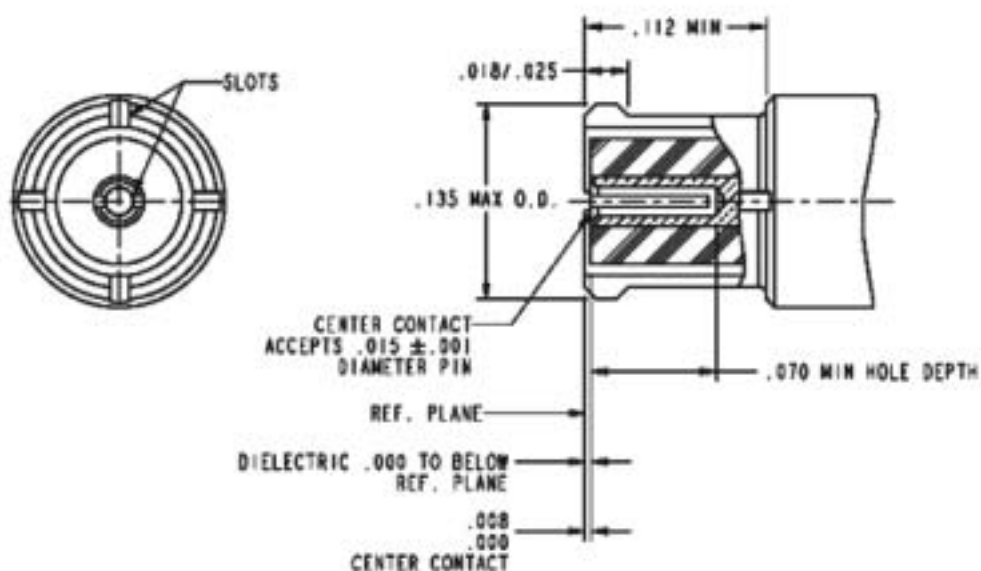
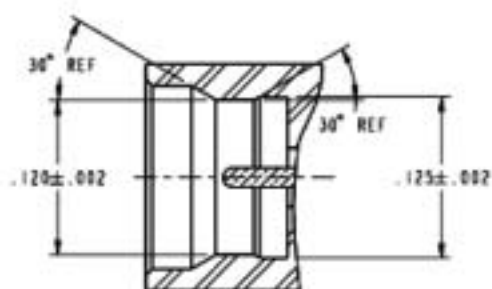
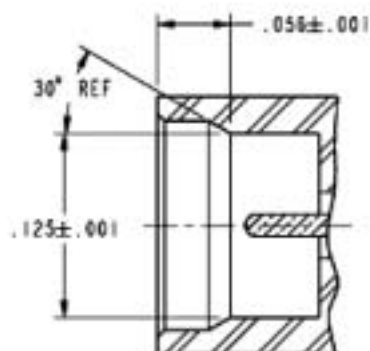
#### Mechanical Specifications

|                               |                                                 |
|-------------------------------|-------------------------------------------------|
| Engagement Force              | Disengagement Force                             |
| Full Detent 9 lbs (40 N)      | 6.9 lbs (31 N)                                  |
| Limited Detent 6.9 lbs (31 N) | 5 lbs (22 N)                                    |
| Smooth Bore 2 lbs (9 N)       | 0.5 lbs (2.2 N)                                 |
| Catcher's Mitt 2 lbs (9 N)    | 0.5 lbs (2.2 N)                                 |
| Mating Cycles                 | >100 with full detent; >500 with limited detent |

Note: These characteristics are typical but may not apply to all connectors.

## SMP Coaxial Connectors

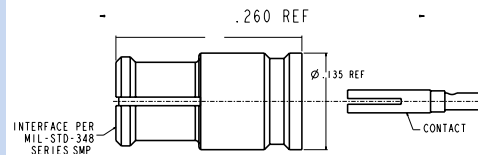
## Interface mating dimensions

Limited DetentSmooth Bore

## SMP Cable connector

### Straight Jack

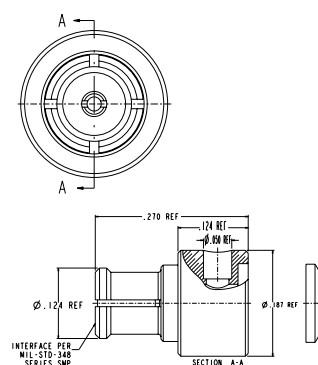
| P.N.       | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------|-------------|------|--------|------|------------|
| SMP-FS-C06 | 0.086       | Gold | Teflon | 50   | N/A        |
| SMP-FS-C07 | 11          | Gold | Teflon | 50   | N/A        |



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### Right Angled Jack

| P.N.       | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------|-------------|------|--------|------|------------|
| SMP-FR-C06 | 0.086       | Gold | Teflon | 50   | N/A        |
| SMP-FR-C07 | 11          | Gold | Teflon | 50   | N/A        |

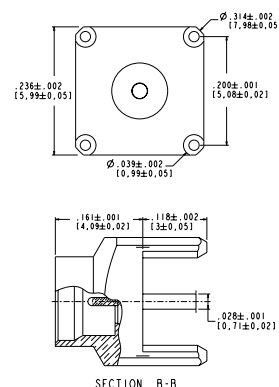


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## PCB Connectors

### Straight Plug, Pin Contact PCB Receptacle

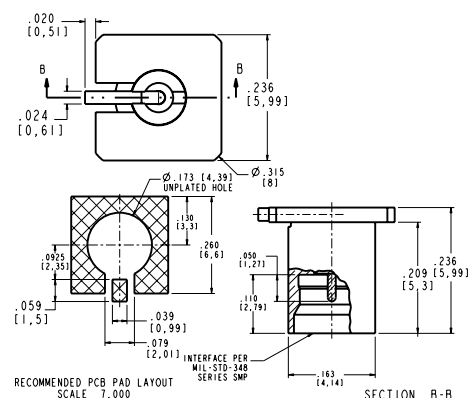
| P.N.         | Cable Group | Plt. | Ins.        | Imp. | Crimp Tool |
|--------------|-------------|------|-------------|------|------------|
| SMP-MSSB-PCT | N/A         | Gold | Peek or LCP | 50   | N/A        |
| SMP-MSCM-PCT | N/A         | Gold | Peek or LCP | 50   | N/A        |



## PCB Connectors

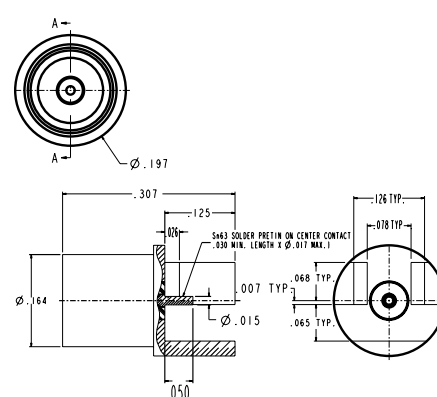
### Straight Plug, Pin Contact PCB Rear Mount

| P.N.         | Cable Group | Plt. | Ins.        | Imp. | Crimp Tool |
|--------------|-------------|------|-------------|------|------------|
| SMP-MSLD-PCR | N/A         | Gold | Peek or LCP | 50   | N/A        |
| SMP-MSSB-PCR | N/A         | Gold | Peek or LCP | 50   | N/A        |



### Straight Plug End Launch

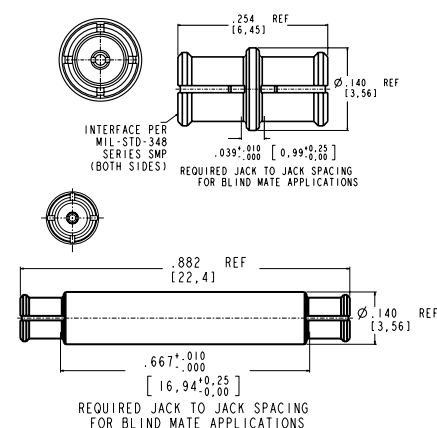
| P.N.         | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|--------------|-------------|------|--------|------|------------|
| SMP-MSFD-PCE | N/A         | Gold | Teflon | 50   | N/A        |



## In Series Adapters

### Bullet Adapters Jack to Jack

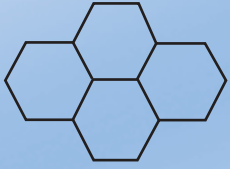
| P.N.         | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|--------------|-------------|------|--------|------|------------|
| SMP-FSBA-654 | N/A         | Gold | Teflon | 50   | N/A        |
| SMP-FSBA-224 | N/A         | Gold | Teflon | 50   | N/A        |





# Amphenol

RF Solutions for the Automotive Market



# RF Solutions

## for the Automotive Market

With recent advancements in communications technology and increased consumer demand for a diverse array of on-board telematics services, RF communications systems have become indispensable components of the modern automobile.

To keep RF interconnection costs low and ensure high levels of electrical and mechanical performance for telematics applications such as Global Positioning Satellite, Satellite Radio, Vehicular Internet Access, Remote vehicle diagnostics and Bluetooth, the German and American automotive industries have standardized a high-performing, cost-effective RF connector based on the FAKRA and USCAR standards.

Utilizing a standard metal SMB connector embedded within a plastic housing that can be designed with multiple colored codes for easy identification, FAKRA connectors are designed to perform up to 4 GHz and meet the particular mechanical and environmental requirements of the automobile industry.

Amphenol RF's industry leading product line meets both the FAKRA and USCAR standards with the following features:

- 13 different mechanical and color codes
- Plastic housing with locking feature and audible clicking noise
- Minimum of 100 mating cycles
- Frequency range of DC - 4 GHz
- Usable on multiple coaxial cables (RG-58. RG-174. RG-316. RG-178 and other micro-cables)
- Available in numerous connector configurations (straight and right angle solutions for cable applications, as well as edge-launch and PCB design)

Along with the growth of RF connection devices in the car, the need for coaxial cable has grown to a level which could require twice the amount of cable which goes into a home (over 100+ feet per car). To meet this demand, Amphenol's Times Fiber Communications division has developed a portfolio of cable products to meet the needs of the automotive industry. TFC's automotive cables are manufactured utilizing the highest quality materials and workmanship available:

- Lowest Signal Loss
- Multiple Shielding Options Available
- 100% Quality Testing - Electricals, Physicals
- Superior TFC/Amphenol Product Development

For more info about the Fakra connectors, please contact our nearest branch offices for a copy of the Fakra connector catalogue.

The Amphenol BNC connectors are made to high quality level. Medium size coaxial connectors with bayonet lock. 50 ohm impedance for applications up to 4 GHz and 75 ohm impedance up to 2 GHz.

### 75 Ohm Series

Within the internationally standardized BNC mating face dimensions, a perfect 75 ohm characteristic impedance cannot be realized. However, at frequencies up to 1000 MHz, the small impedance deviation is negligible for practical applications. Amphenol true 75 ohm connectors with a typical VSWR reading of 1.06:1 at 2000 MHz are identified by an asterisk following the part number.

All 75 ohm BNC connectors and 50 ohm BNC connectors are intermateable without restrictions.

Slimline BNC has the same specifications as the standard BNC. Through the new design, it is possible to have 40% more interconnects in the same area.

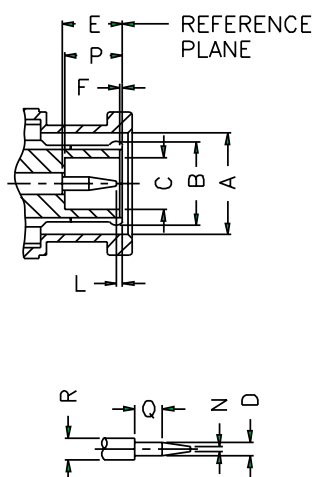
### Electrical Specifications

|                                 |                                                           |                                                           |
|---------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Impedance                       | 50 ohm                                                    | 75 ohm                                                    |
| Frequency Range                 | 0-4 GHz                                                   | 0-1 GHz                                                   |
| Working Voltage                 | 500 Volts rms.                                            | 500 Volts rms.                                            |
| Dielectric Withstanding Voltage | 1500 Volts rms.                                           | 1500 Volts rms.                                           |
| VSWR                            | 1.3 max. 0-4 GHz                                          | 1.05+0.1f(GHz) DC to 1 GHz                                |
| Contact Resistance              | Center contact 1.5 milliohm<br>Outer contact 1.0 milliohm | Center contact 1.5 milliohm<br>Outer contact 1.0 milliohm |
| Insulation Resistance           | 5000 megohm (min)                                         | 5000 megohm (min)                                         |

### Material Specifications

| Parts Name     |        | Material                                      | Finish                |
|----------------|--------|-----------------------------------------------|-----------------------|
| Center Contact | Male   | Brass                                         | Gold or Silver plated |
|                | Female | Phosphor Bronze (nominal) or Beryllium Copper | Gold or Silver plated |
| Metal parts    |        | Brass                                         | Nickel                |
| Insulators     |        | Teflon, Delrin, PBT polyester                 | None                  |
| Clamp gaskets  |        | Silicone rubber, Synthetic rubber             | None                  |
| Crimp ferrule  |        | Annealed copper                               | Nickel                |

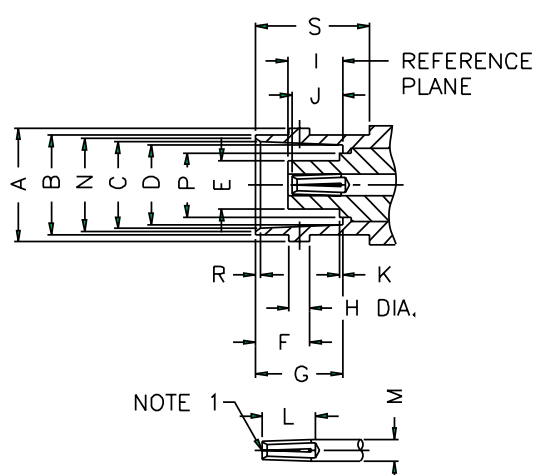
## Interface mating dimensions



## Plug

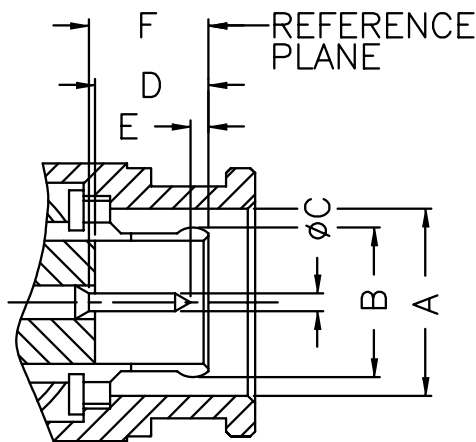
| Letter | Millimeters-[Inches]                   |             |
|--------|----------------------------------------|-------------|
|        | Minimum                                | Maximum     |
| A      | 9.78 [.385]                            | 9.91 [.390] |
| B      | Flared to meet good electrical contact |             |
| C      | 4.83 [.190]                            | -           |
| D      | 1.32 [.052]                            | 1.37 [.054] |
| E      | 5.33 [.210]                            | 5.84 [.230] |
| F      | 0.15 [.006]                            | 0.46 [.018] |
| L      | 0.08 [.003]                            | 1.02 [.040] |
| N      | -                                      | 0.64 [.025] |
| P      | 5.28 [.208]                            | 5.79 [.228] |
| Q      | 1.98 [.078]                            | -           |
| R      | 2.06 [.081]                            | 2.21 [.087] |

## Jack



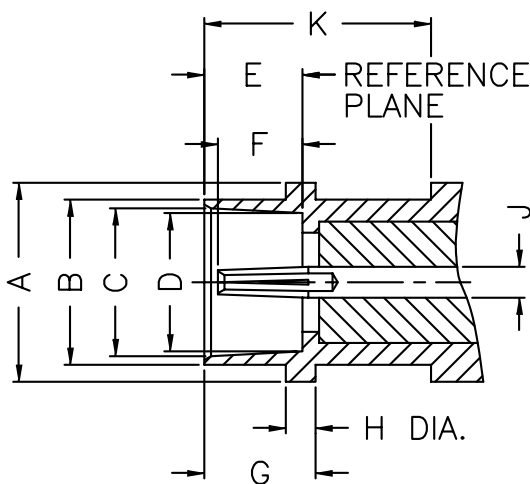
| Letter | Millimeters [Inches] |              |
|--------|----------------------|--------------|
|        | Minimum              | Maximum      |
| A      | 10.97 [.432]         | 11.07 [.436] |
| B      | 9.60 [.378]          | 9.70 [.382]  |
| C      | 8.31 [.327]          | 8.46 [.333]  |
| D      | 8.10 [.319]          | 8.15 [.321]  |
| E      | -                    | 4.72 [.186]  |
| F      | 5.18 [.204]          | 5.28 [.208]  |
| G      | 8.31 [.327]          | 8.51 [.335]  |
| H      | 1.91 [.075]          | 2.06 [.081]  |
| I      | 4.78 [.188]          | 5.28 [.208]  |
| J      | 4.72 [.186]          | 5.23 [.206]  |
| K      | -                    | 0.15 [.006]  |
| L      | 4.95 [.195]          | -            |
| M      | 2.06 [.081]          | 2.21 [.087]  |
| N      | 8.79 [.346]          | 9.04 [.356]  |
| P      | -                    | 6.50 [.256]  |
| R      | 0.38 [.015]          | 0.76 [.030]  |
| S      | 10.52 [.414]         | -            |

Interface mating dimensions



Plug

| Letter | Millimeters [Inches]                   |             |
|--------|----------------------------------------|-------------|
|        | Minimum                                | Maximum     |
| A      | 7.70 [.303]                            | 7.80 [.307] |
| B      | Flared to meet good electrical contact |             |
| C      | 0.72 [.028]                            | 0.76 [.030] |
| D      | 4.55 [.179]                            | 4.85 [.191] |
| E      | 1.00 [.039]                            | 1.30 [.012] |
| F      | 4.70 [.185]                            | 5.00 [.197] |



Jack

| Letter | Millimeters [Inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| A      | 8.99 [.354]          | 9.09 [.358] |
| B      | 7.44 [.293]          | 7.54 [.297] |
| C      | 6.65 [.262]          | 6.75 [.266] |
| D      | 6.22 [.245]          | 6.27 [.247] |
| E      | 4.35 [.171]          | 4.55 [.179] |
| F      | 4.00 [.157]          | 4.30 [.169] |
| G      | 4.32 [.170]          | 4.42 [.174] |
| H      | 1.27 [.005]          | 1.43 [.056] |
| J      | 1.38 [.054]          | 1.42 [.056] |
| K      | 7.82 [.308]          | -           |

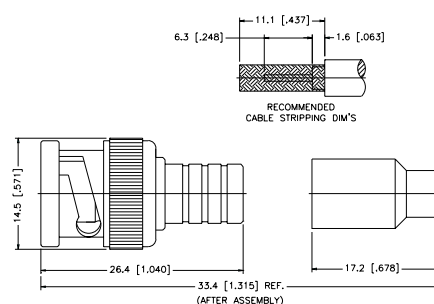
All connector bodies, unless otherwise noted, are nickel plated. Center contacts are 3μ” gold plated. Insulators are Delrin, unless otherwise noted. Silver plating and Teflon insulators are available on virtually all BNC connectors. Please contact Amphenol for samples and quotes. All dimensions in millimeters and [inches].

## Plug Crimp Attachment for Flexible Cable

### Straight Crimp Plug - Single Crimp

| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| B1111L1-001-ND3G-01-50 | 01          | Nickel | Delrin | 50   | 5          |
| B1111L1-001-ND3G-03-50 | 03          | Nickel | Delrin | 50   | 5          |

Remark: Only for Solid Center Conductor Cable

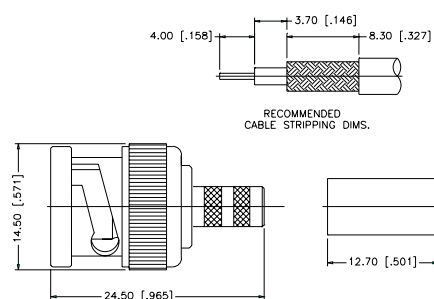


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### Straight Crimp Plug - Captive Contact - Standard Cable

| P.N.                    | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|--------|--------|------|------------|
| B1121A1-NT3G-1-50       | 01          | Nickel | Teflon | 50   | 3 or 4     |
| B1121A1-ND3G-1-50       | 01          | Nickel | Delrin | 50   | 3 or 4     |
| B1121BA-001-ND3G-1A-50  | 01A         | Nickel | Delrin | 50   | 3 or 4     |
| B1121AA-NT3G-1B-50      | 01B         | Nickel | Teflon | 50   | 3 or 4     |
| B1121A1-ND3G-3-50       | 03          | Nickel | Delrin | 50   | 4          |
| B1121A1-ND3G-3-75       | 03          | Nickel | Delrin | 75   | 4          |
| B1121A9-NT3G-3-75*      | 03          | Nickel | Teflon | 75   | 7          |
| B1121A1-ND3G-3A-75      | 03A         | Nickel | Delrin | 75   | 4          |
| B1121A9-009-NT3G-3A-75* | 03A         | Nickel | Teflon | 75   | 4          |
| B1121C1-ND3G-3B-75      | 03B         | Nickel | Delrin | 75   | 4          |
| B1121A6-NT3G-7-50       | 07          | Nickel | Teflon | 50   | 4 + 6      |
| B1121A6-NT3G-7A-50      | 07A         | Nickel | Teflon | 50   | 4 + 6      |
| B1121A1-ND3G-7B-50      | 07B         | Nickel | Delrin | 50   | 4          |
| B1121A6-NT3G-7C-50      | 07C         | Nickel | Teflon | 50   | 6          |
| B1121A2-NT3G-7D-50      | 07D         | Nickel | Teflon | 50   | 4 + 6      |
| B1121A6-NT3G-7E-75      | 07E         | Nickel | Teflon | 75   | 2 + 6      |
| B1121A6-NT3G-7F-75      | 07F         | Nickel | Teflon | 75   | 2 + 6      |
| B1121A1-ND3G-8-75       | 08          | Nickel | Delrin | 75   | 4          |
| B1121CA-002-ND3G-8A-75  | 08A         | Nickel | Delrin | 75   | 5          |
| B1121A9-NT15G-8A-75*    | 08A         | Nickel | Teflon | 75   | 2 + 5      |
| B1121AA-ND3G-8B-75      | 08B         | Nickel | Delrin | 75   | 4          |
| B1121A9-NT15G-8B-75*    | 08B         | Nickel | Teflon | 75   | 5          |
| B1121A1-ND3G-15-75      | 15          | Nickel | Delrin | 75   | 5          |
| B1121A1-NT3G-15-75*     | 15          | Nickel | Teflon | 75   | 5          |
| B1121C1-ND3G-15A-75     | 15A         | Nickel | Delrin | 75   | 5          |
| B1121A9-003-NT3G-75     | 16          | Nickel | Teflon | 75   | .180 hex   |
| B1121A9-003-NT3G-75     | 16A         | Nickel | Teflon | 75   | .180 hex   |
| B1121A9-NT15G-18-75*    | 18          | Nickel | Teflon | 75   | 2 + 4      |
| B1121A9-NT15G-19-75*    | 19          | Nickel | Teflon | 75   | 9          |
| B1121A1-NT3G-22-75      | 22          | Nickel | Teflon | 75   | .180 hex   |
| Diecast Shell           |             |        |        |      |            |
| B1121BA-001-ND3G-1-50   | 01          | Nickel | Delrin | 50   | 3 or 4     |
| B1121B1-ND3G-3-50       | 03          | Nickel | Delrin | 50   | 4          |
| B1121B1-ND3G-3-75       | 03          | Nickel | Delrin | 75   | 4          |

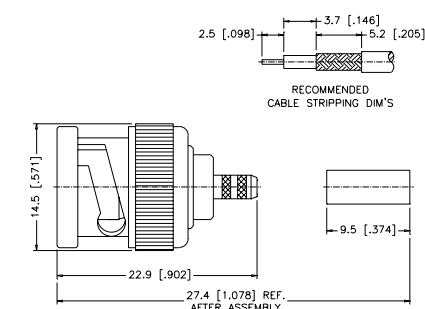
\* Center contact .053" diameter, 30 μ" Au.  
True 75 ohm. Use .044 hex or 12-indent crimp



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### Straight Crimp Plug - Pin-in-Pin - Miniature Cable

| P.N.                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|--------|--------|------|------------|
| Brass Shell           |             |        |        |      |            |
| B1121G1-ND3G-5-50     | 05          | Nickel | Delrin | 50   | 2          |
| B1121G1-ND3G-6-75     | 06          | Nickel | Delrin | 75   | 2          |
| Diecast Shell         |             |        |        |      |            |
| B1121H1-001-ND3G-5-50 | 05          | Nickel | Delrin | 50   | 1 or 2     |
| B1121H1-001-ND3G-6-75 | 06          | Nickel | Delrin | 75   | 2          |



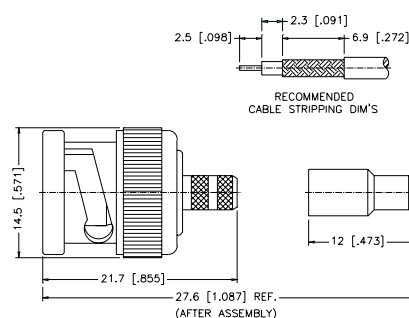
Assembly Instruction J - page 232

## Plug Crimp Attachment for Flexible Cable

### Straight Crimp Plug - Miniature Cable

| P.N.                                     | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|------------------------------------------|-------------|--------|------|------|------------|
| Brass Shell<br>B1121E9-002-NTPX3G-6-75   | 06          | Nickel | TPX  | 75   | 3          |
| Diecast Shell<br>B1121F9-003-NTPX3G-6-75 | 06          | Nickel | TPX  | 75   | 3          |

Remark: TPX Insulator/75 ohm AVAILABLE ONLY

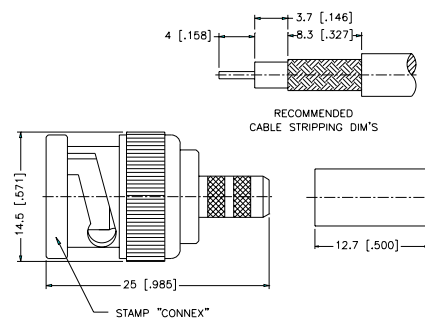


Assembly Instruction K - page 233

## Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Straight Crimp Plug - Captive Contact - Plenum Cable

| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| B1121CA-001-ND3G-4A-75 | 04A         | Nickel | Delrin | 75   | 4          |



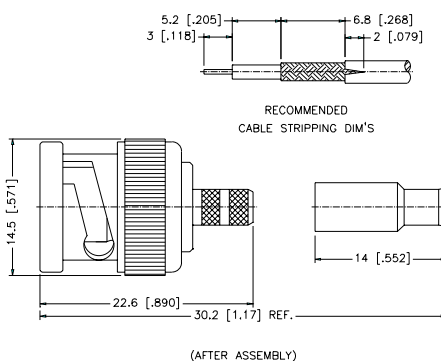
Assembly Instruction J - page 232

### Straight Crimp Plug - Captive Contact - Miniature Cable

| P.N.                                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------------------------|-------------|--------|--------|------|------------|
| Brass Shell<br>B1121E1-ND3G-5-50       | 05          | Nickel | Delrin | 50   | 3          |
| B1121E1-ND3G-5A-50                     | 05A         | Nickel | Delrin | 50   | 3          |
| B1121E1-ND3G-6-50                      | 06          | Nickel | Delrin | 50   | 3          |
| B1121E2-003-ND3G-6-75                  | 06          | Nickel | Delrin | 75   | 3          |
| B1121E1-ND3G-6A-75                     | 06A         | Nickel | Delrin | 75   | 9          |
| B1121H1-001-ND3G-14-50                 | 14          | Nickel | Delrin | 50   | 9          |
| B1121A1-ND3G-16-75                     | 16          | Nickel | Delrin | 75   | 1 or 2     |
| B1121A1-ND3G-16A-75                    | 16A         | Nickel | Delrin | 75   | 1 or 2     |
| B1121A9-010-NT30G-16-75*               | 16          | Nickel | Teflon | 75   | 3          |
| B1121A9-010-NT30G-16A-75               | 16A         | Nickel | Teflon | 75   | 3          |
| Diecast Shell<br>B1121FA-001-ND3G-5-50 | 05          | Nickel | Delrin | 50   | 3          |
| B1121FA-001-ND3G-6-50                  | 06          | Nickel | Delrin | 50   | 3          |

Remark: With teflon sleeve/Hex crimp size. 178"

\* Center contact .053" diameter, 30 μ" Au.  
True 75 ohm. Use .044 hex or 12-indent crimp



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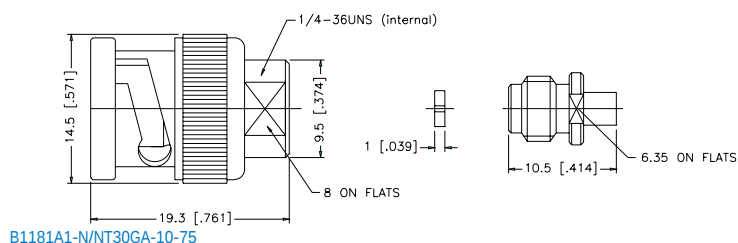
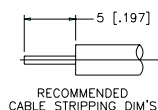
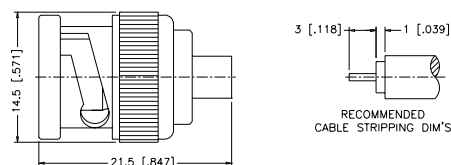
## Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Straight Solder Plug - Semi-Rigid Cable

| P.N.                   | Cable Group | Plt.        | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|-------------|--------|------|------------|
| B1181A1-N/3GT3G-10-50  | 10          | Nickel/Gold | Teflon | 50   | N/A        |
| B1181A1-N/NT30GA-10-75 | 10          | Nickel/Gold | Teflon | 75   | N/A        |
| B1181A1-NT3G-11-50     | 11          | Nickel/Gold | Teflon | 50   | N/A        |



B1181A1-N/3GT3G-10-50



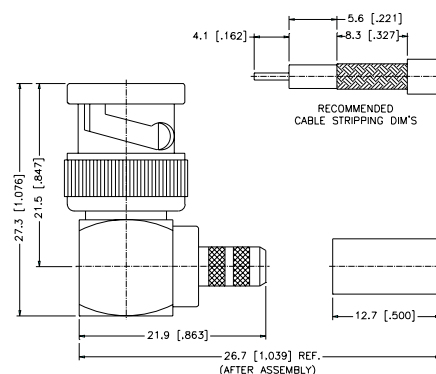
B1181A1-N/NT30GA-10-75

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## Right Angle Plug Crimp Attachment for Flexible Cable

### Right Angle Crimp/Solder Plug - Standard Cable

| P.N.                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|--------|--------|------|------------|
| Brass Shell           |             |        |        |      |            |
| B1112A1-ND3G-1-50     | 01          | Nickel | Delrin | 50   | 3 or 4     |
| B1112A1-ND3G-1A-50    | 01A         | Nickel | Delrin | 50   | 3 or 4     |
| B1112A1-NT3G-1B-50    | 01B         | Nickel | Teflon | 50   | 3 or 4     |
| B1112A1-ND3G-3-50     | 03          | Nickel | Delrin | 50   | 4          |
| B1112A1-ND3G-3-75     | 03          | Nickel | Delrin | 75   | 4          |
| B1112A6-NT3G-3-75*    | 03          | Nickel | Teflon | 75   | 4          |
| B1112A1-NT3G-1-50     | 01          | Nickel | Teflon | 50   | 3 or 4     |
| B1112A1-NT3G-3-75     | 03          | Nickel | Teflon | 75   | 4          |
| B1112A4-NT3G-7-50     | 07          | Nickel | Teflon | 50   | 6          |
| B1112A4-NT3G-7A-50    | 07A         | Nickel | Teflon | 50   | 6          |
| B1112A4-ND3G-7B-50    | 07B         | Nickel | Delrin | 50   | 3 or 4     |
| B1112A4-NT3G-7C-50    | 07C         | Nickel | Teflon | 50   | 6          |
| B1112A6-NT3G-18-75*   | 18          | Nickel | Teflon | 75   | 4          |
| B1112A6-NT3G-19-75*   | 19          | Nickel | Teflon | 75   | 9          |
| Diecast Shell         |             |        |        |      |            |
| B1112B1-001-ND3G-1-50 | 01          | Nickel | Delrin | 50   | 3 or 4     |
| B1112B1-001-ND3G-3-50 | 03          | Nickel | Delrin | 50   | 4          |
| B1112B1-001-ND3G-3-75 | 03          | Nickel | Delrin | 75   | 4          |



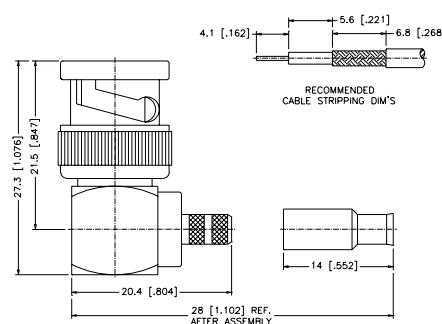
Assembly Instruction I - page 231

\* Center contact .053" diameter, 30µ" Au. True 75 Ohm. Use .044 hex or 12-indent crimp

## Right Angle Plug Crimp Attachment for Flexible Cable

### Right Angle Crimp/Solder Plug - Miniature Cable

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| Brass Shell         |             |        |        |      |            |
| B1112E1-ND3G-5-50   | 05          | Nickel | Delrin | 50   | 3          |
| B1112E1-ND3G-5A-50  | 05A         | Nickel | Delrin | 50   | 9          |
| B1112E1-ND3G-6-75   | 06          | Nickel | Delrin | 75   | 9          |
| B1112E1-ND3G-6A-75  | 06A         | Nickel | Delrin | 75   | 3          |
| B1112E1-ND3G-16-75  | 16          | Nickel | Delrin | 75   | 9          |
| B1112E1-ND3G-16A-75 | 16A         | Nickel | Delrin | 75   | 9          |

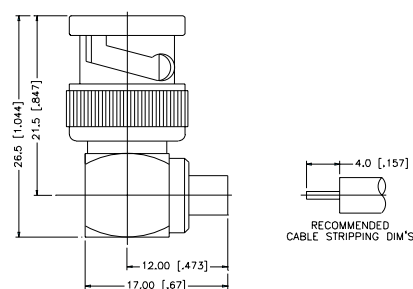


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## Right Angle Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Right Angle Solder Plug - Semi-Rigid Cable

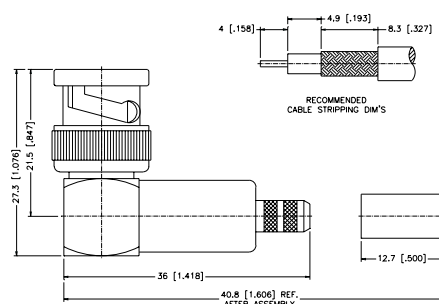
| P.N.                   | Cable Group | Plt.        | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|-------------|--------|------|------------|
| B1182A1-N/3GT3G-10-50  | 10          | Nickel/Gold | Teflon | 50   | N/A        |
| B1182A1-N/NT30GA-11-50 | 11          | Nickel/Gold | Teflon | 50   | N/A        |



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### Right Angle Crimp/Crimp Plug - Standard Cable

| P.N.                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|--------|--------|------|------------|
| Brass Shell           |             |        |        |      |            |
| B1122A1-ND3G-1-50     | 01          | Nickel | Delrin | 50   | 4          |
| B1122A1-ND3G-3-50     | 03          | Nickel | Delrin | 50   | 4          |
| B1122A1-ND3G-3-75     | 03          | Nickel | Delrin | 75   | 4          |
| B1122A1-NT3G-8-75     | 08          | Nickel | Teflon | 75   | 5          |
| B1122A1-NT3G-15-75    | 15          | Nickel | Teflon | 75   | 5          |
| Diecast Shell         |             |        |        |      |            |
| B1122B1-001-ND3G-1-50 | 01          | Nickel | Delrin | 50   | 3 or 4     |
| B1122B1-001-ND3G-3-75 | 03          | Nickel | Delrin | 75   | 4          |
| B1122B1-001-NT3G-75   | 16A,16      | Nickel | Teflon | 75   | .180 hex   |



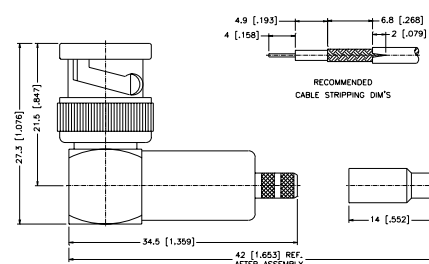
Assembly Instruction S - page 241

## Right Angle Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Right Angle Crimp/Crimp Plug - Miniature Cable

| P.N.                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|--------|--------|------|------------|
| Brass Shell           |             |        |        |      |            |
| B1122E1-002-ND3G-5-50 | 05          | Nickel | Delrin | 50   | 3          |
| B1122E1-ND3G-6-75     | 06          | Nickel | Delrin | 75   | 3          |
| Diecast Shell         |             |        |        |      |            |
| B1122F1-001-ND3G-5-50 | 05          | Nickel | Delrin | 50   | 3          |
| B1122F1-001-ND3G-6-75 | 06          | Nickel | Delrin | 75   | 3          |

Remark: With teflon sleeve Hex. crimp size .178"



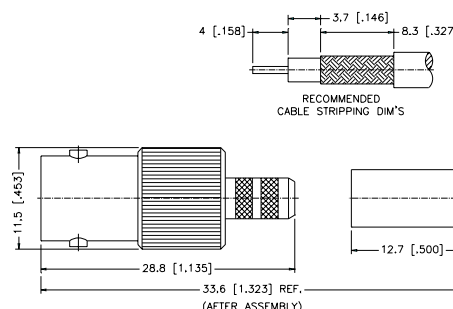
Assembly Instruction S - page 241

## Jack Crimp attachment for Flexible cable and Direct Solder for Semi-Rigid Cable

### Straight Crimp Jack - Standard Cable

| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| Captured               |             |        |        |      |            |
| B6121A1-NT3G-1-50      | 01          | Nickel | Teflon | 50   | 3 or 4     |
| B6121B1-ND3G-1-50      | 01          | Nickel | Delrin | 50   | 3 or 4     |
| B6121A1-004-ND3G-1A-50 | 01A         | Nickel | Delrin | 50   | 3 or 4     |
| B6121A1-NT3G-1B-50     | 01B         | Nickel | Teflon | 50   | 4          |
| B6121A1-NT3G-3-50      | 03          | Nickel | Teflon | 50   | 4          |
| B6121A1-NT3G-3-75      | 03          | Nickel | Teflon | 75   | 4          |
| B6121B1-ND3G-3-50      | 03          | Nickel | Delrin | 50   | 4          |
| B6121A1-NT3G-3A-75     | 03A         | Nickel | Teflon | 75   | 4          |
| B6121A1-NT3G-7B-50     | 07B         | Nickel | Teflon | 50   | 4          |
| B6121A6-NT3G-7C-50     | 07C         | Nickel | Teflon | 50   | 1 + 6      |
| B6121A2-NT3G-8A-75*    | 08A         | Nickel | Teflon | 75   | 2 + 5      |
| B6121A2-NT3G-8B-75*    | 08B         | Nickel | Teflon | 75   | 2 + 5      |
| B6121A1-NT3G-15-75     | 15          | Nickel | Teflon | 75   | 5          |
| B6121A2-NT3G-18-75*    | 18          | Nickel | Teflon | 75   | 4          |
| B6121A2-NT3G-19-75*    | 19          | Nickel | Teflon | 75   | 9          |

\* Center contact .052" diameter, 30μ" Au. True 75 ohm.  
Use .044 hex or 12-indent crimp

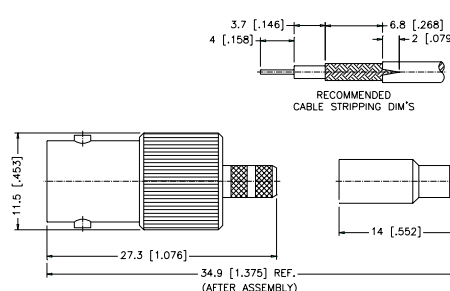


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### Straight Crimp Jack - Miniature and Semi-Rigid Cable

| P.N.                  | Cable Group | Plt.        | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|-------------|--------|------|------------|
| B6121E1-ND3G-5-50     | 05          | Nickel      | Delrin | 50   | 9          |
| B6121E1-ND3G-5A-50    | 05A         | Nickel      | Delrin | 50   | 9          |
| B6121E1-ND3G-6-75     | 06          | Nickel      | Delrin | 75   | 9          |
| B6121E1-ND3G-6A-75    | 06A         | Nickel      | Delrin | 75   | 9          |
| B6181A1-N/3GT3G-10-50 | 10          | Nickel/Gold | Teflon | 50   | N/A        |
| B6181A1-N/3GT3G-11-50 | 11          | Nickel/Gold | Teflon | 50   | N/A        |
| B6121G1-NT3G-14-50    | 14          | Nickel      | Teflon | 50   | 9          |
| B6121B1-ND3G-16-75    | 16          | Nickel      | Delrin | 75   | 9          |
| B6421A1-003-NT3G-75   | 16A,16      | Nickel      | Teflon | 75   | .180 hex   |

Remark: With teflon sleeve, Hex crimp size .178"

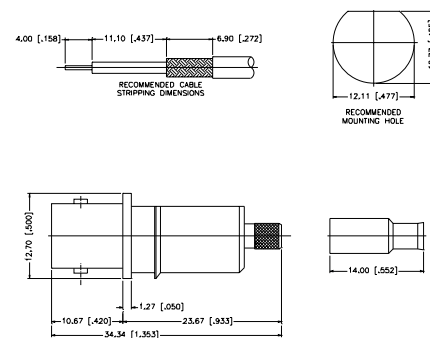


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Assembly Instruction K - page 233

## Jack Crimp attachment for Flexible cable and Direct Solder for Semi-Rigid Cable

### Bulkhead Crimp jack - Snap-In Panel - Miniature Cable

| P.N.                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|--------|--------|------|------------|
| B632100-001-NT3G-5-50 | 05          | Nickel | Teflon | 50   | 3          |



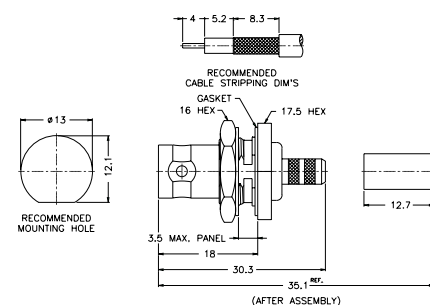
Assembly Instruction L - page 234

## Bulkhead Jack Crimp Attachment for Flexible Cable

### Bulkhead Crimp Jack - Standard Cable

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| Teflon/Captured     |             |        |        |      |            |
| B6421A1-NT3G-1-50   | 01          | Nickel | Teflon | 50   | 4          |
| B6421A1-ND3G-1A-50  | 01A         | Nickel | Delrin | 50   | 4          |
| B6421A1-NT3G-1B-50  | 01B         | Nickel | Teflon | 50   | 3 or 4     |
| B6421A1-NT3G-3-50   | 03          | Nickel | Teflon | 50   | 4          |
| B6421A1-NT3G-3-75   | 03          | Nickel | Teflon | 75   | 4          |
| B6421A1-NT3G-3A-50  | 03A         | Nickel | Teflon | 50   | 4          |
| B6421A1-NT3G-7B-50  | 07B         | Nickel | Teflon | 50   | 4          |
| B6421A6-NT3G-7C-50  | 07C         | Nickel | Teflon | 50   | 1 + 6      |
| B6421A1-NT3G-15-75  | 15          | Nickel | Teflon | 75   | 3          |
| B6421A1-003-NT3G-75 | 16,16A      | Nickel | Teflon | 75   | .180 hex   |
| Delrin/Non Captured |             |        |        |      |            |
| B6421B1-ND3G-1-50   | 01          | Nickel | Delrin | 50   | 3 or 4     |
| B6421B1-ND3G-3-50   | 03          | Nickel | Delrin | 50   | 4          |
| B6421B1-ND3G-3-75   | 03          | Nickel | Delrin | 75   | 4          |

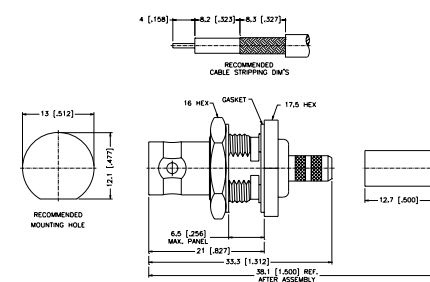
Remark: 3.5 [.138] Max. panel thickness



Assembly Instruction J - page 232

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| B6421A2-NT3G-1-50 | 01          | Nickel | Teflon | 50   | 4          |
| B6421A2-NT3G-3-75 | 03          | Nickel | Teflon | 75   | 4          |

Remark: 6.5 [.256] Max. panel thickness



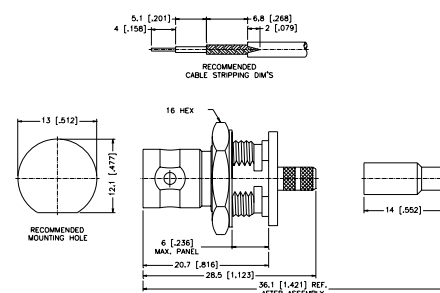
Assembly Instruction J - page 232

## Bulkhead Jack Crimp Attachment for Flexible Cable

### Bulkhead Isolated Crimp Jack - Miniature Cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| B6721E1-NT3G-5-50 | 05          | Nickel | Teflon | 50   | 9          |
| B6721E1-NT3G-6-75 | 06          | Nickel | Teflon | 75   | 9          |

Remark: 6.0 [.236] Max. panel thickness



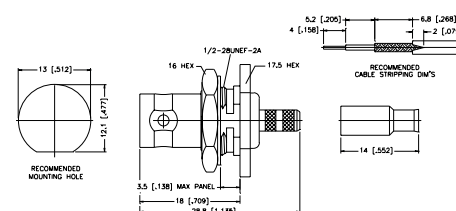
Assembly Instruction J - page 232

## Bulkhead Jack Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Bulkhead Crimp Jack - Miniature Cable

| P.N.                               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------------------|-------------|--------|--------|------|------------|
| B6421E1-ND3G-5-50                  | 05          | Nickel | Delrin | 50   | 9          |
| B6421E1-ND3G-5A-50                 | 05A         | Nickel | Delrin | 50   | 9          |
| B6321A2-001-NT3G-5A-50 Front Mount | 05A         | Nickel | Teflon | 50   | 2          |
| B6421E1-ND3G-6-75                  | 06          | Nickel | Delrin | 75   | 9          |
| B6421E1-ND3G-6A-75                 | 06A         | Nickel | Delrin | 75   | 3          |
| B6421G1-ND3G-14-50                 | 14          | Nickel | Delrin | 50   | 1 or 2     |
| B6421A1-NT3G-16-75                 | 16          | Nickel | Teflon | 75   | 3          |
| B6421A1-NT3G-16A-75                | 16A         | Nickel | Teflon | 75   | 3          |
| B6421A3-NT3G-18-75*                | 18          | Nickel | Teflon | 75   | 4          |
| B6421A3-NT3G-19-75*                | 19          | Nickel | Teflon | 75   | 9          |

\* Center contact .052" diameter, 30μ" Au, true 75 ohm.  
Use .044 hex crimp or 12-indent crimp



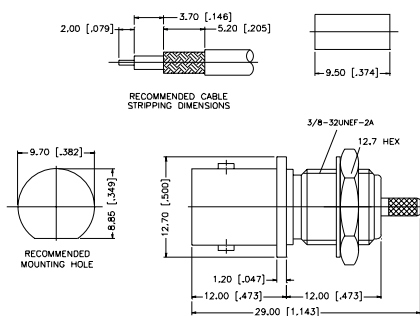
Assembly Instruction J - page 232

|                                    |     |        |        |    |        |
|------------------------------------|-----|--------|--------|----|--------|
| B6321A2-003-NT3G-5-50 Front Mount  | 05  | Nickel | Delrin | 50 | 1 or 2 |
| B6321A2-005-NT3G-5A-50 Front Mount | 05A | Nickel | Delrin | 50 | 2      |

Remark: With teflon sleeve, Hex crimp size .178",  
3.5 [.138] Max. panel thickness



B6321A2-003-NT3G-5-50, B6321A2-005-NT3G-5A-50

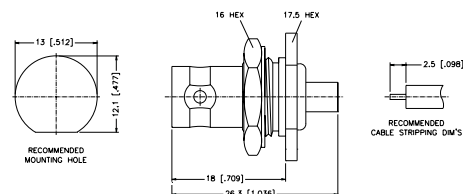


Assembly Instruction J - page 232

## Bulkhead Jack Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Bulkhead Solder Jack - Semi-Rigid Cable

| P.N.                                 | Cable Group | Plt.        | Ins.   | Imp. | Crimp Tool |
|--------------------------------------|-------------|-------------|--------|------|------------|
| B6481A1-N/3GT3G-10-50                | 10          | Nickel/Gold | Teflon | 50   | N/A        |
| B6481A1-N/3GT3G-11-50                | 11          | Nickel/Gold | Teflon | 50   | N/A        |
| B6381A1-N/3GT3G-11-50<br>Front Mount | 11          | Nickel/Gold | Teflon | 50   | N/A        |
| B6381-N/3GT3G-11-75<br>Front Mount   | 11          | Nickel/Gold | Teflon | 75   | N/A        |

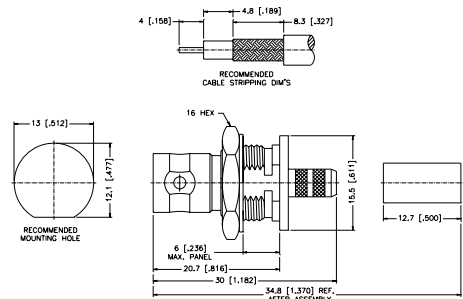


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### Bulkhead Isolated Crimp Jack - Standard Cable

| P.N.               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------|-------------|--------|--------|------|------------|
| Teflon/Captured    |             |        |        |      |            |
| B6721A1-NT3G-1-50  | 01          | Nickel | Teflon | 50   | 4          |
| B6721A1-NT3G-1A-50 | 01A         | Nickel | Teflon | 50   | 4          |
| B6721A1-NT3G-3-50  | 03          | Nickel | Teflon | 50   | 4          |
| B6721A1-NT3G-3-75  | 03          | Nickel | Teflon | 75   | 4          |

Remark: 6.0 [.236] Max. panel thickness



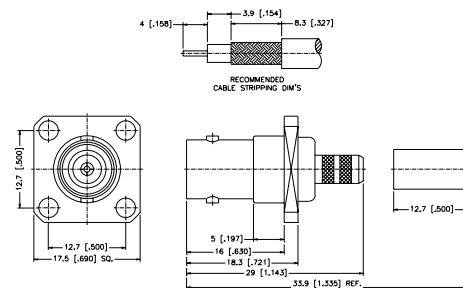
Assembly Instruction J - page 232

## Panel Jack Crimp Attachment for Flexible Cable

### Panel Crimp Jack - Standard Cable

| P.N.               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------|-------------|--------|--------|------|------------|
| B6521A1-NT3G-1-50  | 01          | Nickel | Teflon | 50   | 4          |
| B6521A1-ND3G-1A-50 | 01A         | Nickel | Delrin | 50   | 3 or 4     |
| B6521A1-NT3G-3-50  | 03          | Nickel | Teflon | 50   | 4          |
| B6521A1-NT3G-3-75  | 03          | Nickel | Teflon | 75   | 4          |

Remark: 5.0 [.197] Max. panel thickness



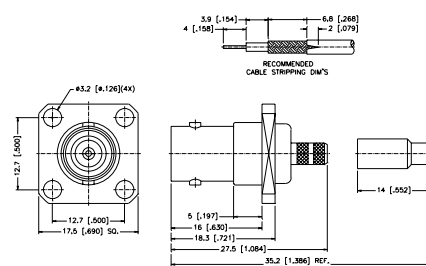
Assembly Instruction J - page 232

## Panel Jack Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

## Panel Crimp and Solder Jack - Miniature and Semi-Rigid Cable

| P.N.                  | Cable Group | Plt.        | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|-------------|--------|------|------------|
| B6521E1-NT3G-5-50     | 05          | Nickel      | Teflon | 50   | 9          |
| B6521F1-NT3G-5A-50    | 05A         | Nickel      | Teflon | 50   | 9          |
| B6521F1-ND3G-6-75     | 06          | Nickel      | Delrin | 75   | 9          |
| B6581A1-N/3GT3G-10-50 | 10          | Nickel/Gold | Teflon | 50   | N/A        |
| B6581A1-N/3GT3G-11-50 | 11          | Nickel/Gold | Teflon | 50   | N/A        |

Remark: 5.0 [.197] Max. panel thickness



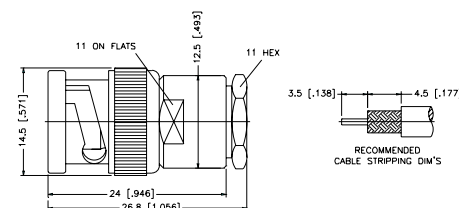
Assembly Instruction E - page 227  
Assembly Instruction J - page 232

## Clamp Attachment for Flexible Cable

### Straight Clamp Plug - Captive Contact - Standard Cable

| P.N.               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------|-------------|--------|--------|------|------------|
| B1141A1-ND3G-1-50  | 01          | Nickel | Delrin | 50   | N/A        |
| B1141A1-ND3G-3-50  | 03          | Nickel | Delrin | 50   | N/A        |
| B1141A1-ND3G-3-75  | 03          | Nickel | Delrin | 75   | N/A        |
| B1141C1-NT3G-5-50  | 05          | Nickel | Teflon | 50   | N/A        |
| B1141A2-NT3G-7A-50 | 07A         | Nickel | Teflon | 50   | N/A        |
| B1141A2-NT3G-7E-75 | 07E         | Nickel | Teflon | 75   | N/A        |

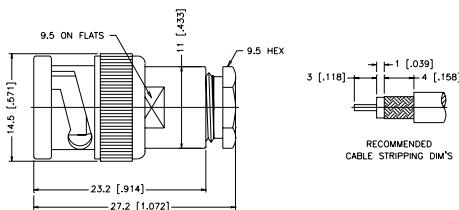
Remark: Barrel O.D. = 12.5 mm



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| P.N.                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|--------|--------|------|------------|
| Brass Shell           |             |        |        |      |            |
| B1141C1-ND3G-1-50     | 01          | Nickel | Delrin | 50   | N/A        |
| B1141C1-ND3G-3-50     | 03          | Nickel | Delrin | 50   | N/A        |
| B1141C1-ND3G-3-75     | 03          | Nickel | Delrin | 75   | N/A        |
| Diecast Shell         |             |        |        |      |            |
| B1141D1-001-ND3G-1-50 | 01          | Nickel | Delrin | 50   | N/A        |
| B1141D1-ND3G-3-50     | 03          | Nickel | Delrin | 50   | N/A        |

Remark: UG-88/U, UG-260/U

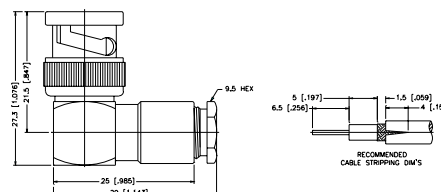


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## Clamp Attachment for Flexible Cable

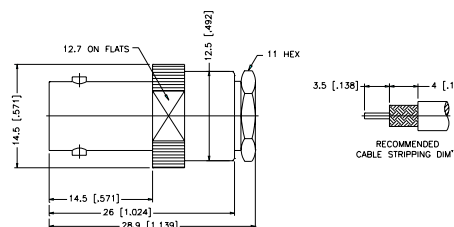
### Right Angle Clamp Plug - Standard Cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| Brass Shell       |             |        |        |      |            |
| B1142E1-ND3G-1-50 | 01          | Nickel | Delrin | 50   | N/A        |
| B1142E1-ND3G-3-50 | 03          | Nickel | Delrin | 50   | N/A        |
| B1142E1-ND3G-3-75 | 03          | Nickel | Delrin | 75   | N/A        |



### Straight Clamp Jack - Captive contact - Standard Cable

| P.N.               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------|-------------|--------|--------|------|------------|
| B6141A1-NT3G-1-50  | 01          | Nickel | Teflon | 50   | N/A        |
| B6141A1-NT3G-3-50  | 03          | Nickel | Teflon | 50   | N/A        |
| B6141A1-NT3G-3-75  | 03          | Nickel | Teflon | 75   | N/A        |
| B6141A2-NT3G-7A-50 | 07A         | Nickel | Teflon | 50   | N/A        |

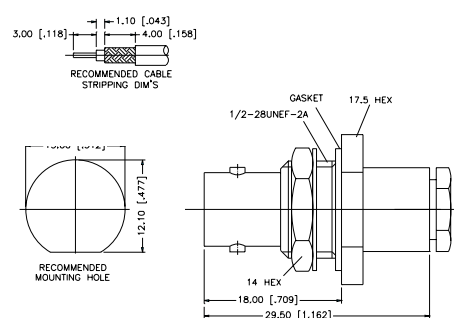


Assembly Instruction N - page 236

## Jack Clamp Attachment for Flexible Cable

### Bulkhead Clamp jack - Captive Contact - Flexible Cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| B6441A2-NT3G-1-50 | 01          | Nickel | Teflon | 50   | N/A        |
| B6441A1-NT3G-5-50 | 05          | Nickel | Teflon | 50   | N/A        |
| B6441A1-NT3G-6-75 | 06          | Nickel | Teflon | 75   | N/A        |



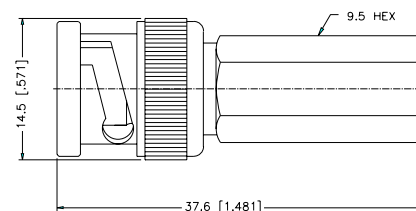
Assembly Instruction N - page 236

## Twist-On Attachment for Flexible Cable

### Twist-On Plug - Standard Cable

| P.N.                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|--------|--------|------|------------|
| Brass Shell           |             |        |        |      |            |
| B1131A1-ND3G-1-50     | 01          | Nickel | Delrin | 50   | N/A        |
| B1131A1-ND3G-3-50     | 03          | Nickel | Delrin | 50   | N/A        |
| B1131A1-ND3G-3-75     | 03          | Nickel | Delrin | 75   | N/A        |
| B1131A1-ND3G-8-50     | 08          | Nickel | Delrin | 50   | N/A        |
| Diecast Shell         |             |        |        |      |            |
| B1131B1-001-ND3G-1-50 | 01          | Nickel | Delrin | 50   | N/A        |
| B1131B1-001-ND3G-3-50 | 03          | Nickel | Delrin | 50   | N/A        |
| B1131B1-001-ND3G-3-75 | 03          | Nickel | Delrin | 75   | N/A        |
| B1131B1-001-ND3G-8-75 | 08          | Nickel | Delrin | 75   | N/A        |

Remark: Only for solid center conductor cable

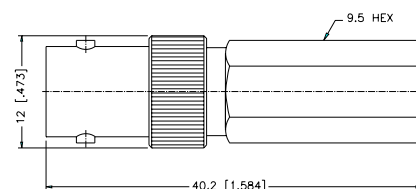


Assembly Instruction O - page 237

### Twist-On Jack - Standard Cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| B6131A1-ND3G-1-50 |             |        |        |      |            |
| B6131A1-ND3G-3-50 | 03          | Nickel | Delrin | 50   | N/A        |
| B6131A1-ND3G-2-50 | 02          | Nickel | Delrin | 50   | N/A        |

Remark: Only for solid center conductor cable

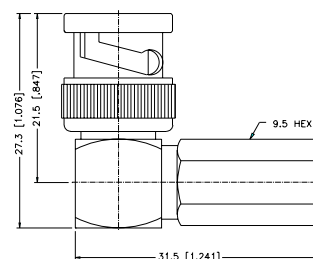
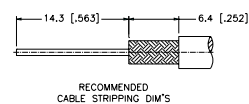


Assembly Instruction O - page 237

### Right Angle Twist-On plug - Standard Cable

| P.N.                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|--------|--------|------|------------|
| Diecast Shell         |             |        |        |      |            |
| B1132B1-001-ND3G-1-50 | 01          | Nickel | Delrin | 50   | N/A        |
| B1132B1-001-ND3G-3-50 | 03          | Nickel | Delrin | 50   | N/A        |
| B1132B1-001-ND3G-3-75 | 03          | Nickel | Delrin | 75   | N/A        |

Remark: Only for solid center conductor cable

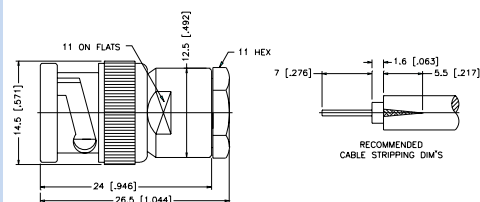


## Wedge Compression Attachment for Flexible Cable

### Wedge compression Plug - Standard Cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| Brass Shell       |             |        |        |      |            |
| B1141G1-ND3G-1-50 | 01          | Nickel | Delrin | 50   | N/A        |
| B1141G1-ND3G-3-50 | 03          | Nickel | Delrin | 50   | N/A        |
| B1141G1-ND3G-3-75 | 03          | Nickel | Delrin | 75   | N/A        |

Remark: With wedge pin

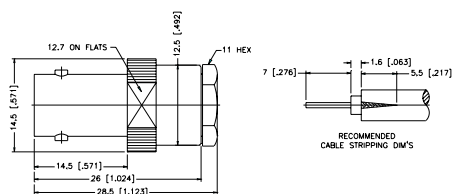


Assembly Instruction P - page 238

### Wedge Compression Jack - Standard cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| B6141G1-NT3G-1-50 | 01          | Nickel | Teflon | 50   | N/A        |
| B6141G1-NT3G-3-50 | 03          | Nickel | Teflon | 50   | N/A        |
| B6141G1-NT3G-3-75 | 03          | Nickel | Teflon | 75   | N/A        |

Remark: With wedge contact



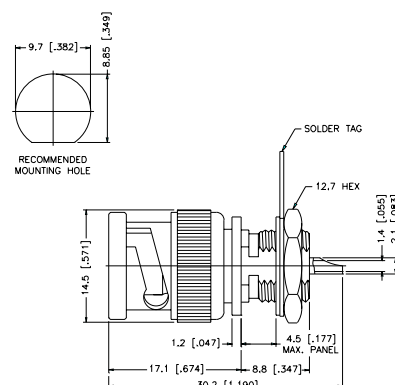
Assembly Instruction P - page 238

## Bulkhead Receptacle/Solder Cup Terminal

### Bulkhead Receptacle Plug - Front Mount

| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| Brass Shell     |             |        |        |      |            |
| B1351Q1-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| B1351Q2-NT3G-75 | N/A         | Nickel | Teflon | 75   | N/A        |

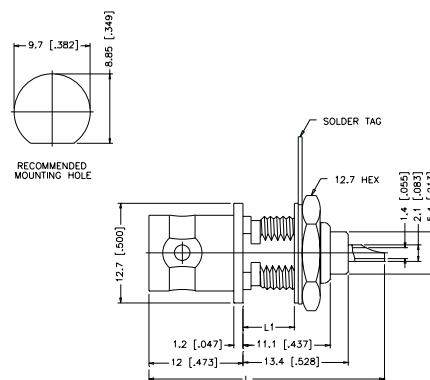
Remark: 4.5 [.177] Max. panel thickness



## Bulkhead Receptacle/Solder Cup Terminal

### Bulkhead Receptacle Jack - Front Mount

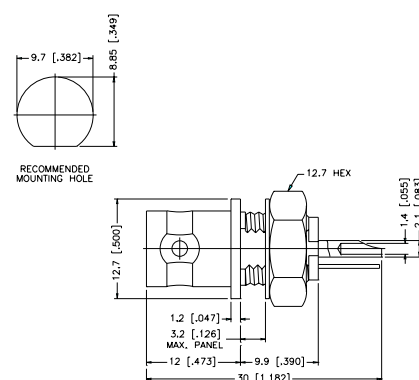
| P.N.                                                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------------------------------------------|-------------|--------|--------|------|------------|
| L1 = 3.2 [.126] Max. panel thickness, L = 26.7 [1.05] |             |        |        |      |            |
| B6351B1-ND3G-50                                       | N/A         | Nickel | Delrin | 50   | N/A        |
| B6351B1-NT3G-50                                       | N/A         | Nickel | Teflon | 50   | N/A        |
| B6351B1-ND3G-75                                       | N/A         | Nickel | Delrin | 75   | N/A        |
| L1 = 6.5 [.256] Max. panel thickness, L = 30.0 [1.18] |             |        |        |      |            |
| B6351B2-ND3G-50                                       | N/A         | Nickel | Delrin | 50   | N/A        |
| B6351B2-ND3G-75                                       | N/A         | Nickel | Delrin | 75   | N/A        |
| L1 = 9.5 [.374] Max. panel thickness, L = 33.0 [1.30] |             |        |        |      |            |
| B6351B3-ND3G-50                                       | N/A         | Nickel | Delrin | 50   | N/A        |
| B6351B3-ND3G-75                                       | N/A         | Nickel | Delrin | 75   | N/A        |



### Bulkhead Receptacle Isolated Jack - Front Mount

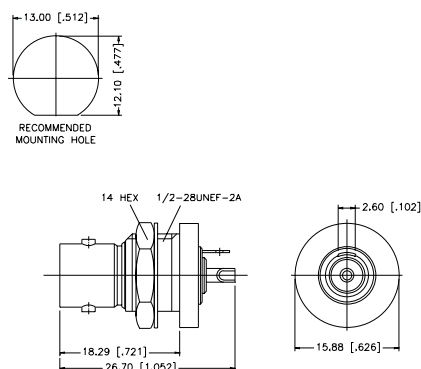
| P.N.              | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|-------------------|-------------|--------|------|------|------------|
| B6651B1-NNYL3G-50 | N/A         | Nickel | ABS  | 50   | N/A        |
| B6651B1-NNYL3G-75 | N/A         | Nickel | ABS  | 75   | N/A        |

Remark: 3.2 [.126] Max. panel thickness



### Bulkhead Receptacle Isolated Jack - Rear Mount

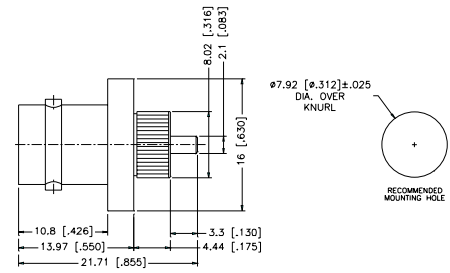
| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| B675100-001-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



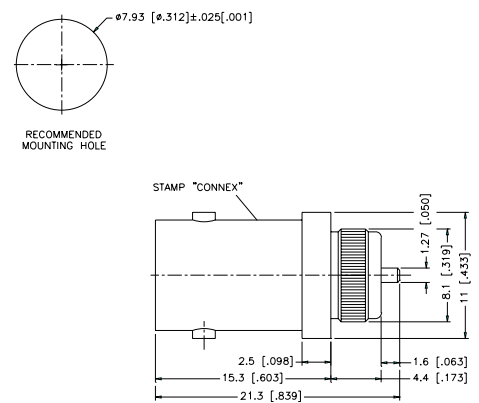
## Bulkhead Receptacle/Solder Pot Terminal

### Bulkhead Receptacle - Push Fit

| P.N.             | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------|-------------|--------|--------|------|------------|
| B6051A2-NT30G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



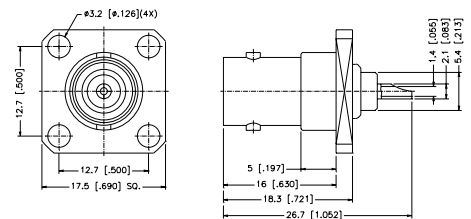
| P.N.             | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------|-------------|--------|--------|------|------------|
| B6051A1-NT50G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



## Panel Receptacles

### Panel Receptacle Jack

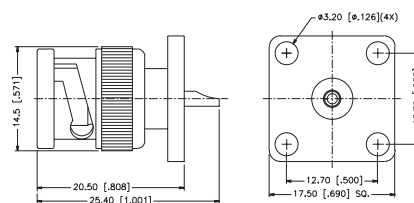
| P.N.                                          | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------------------------------|-------------|--------|--------|------|------------|
| B6551A1-NT3G-50                               | N/A         | Nickel | Teflon | 50   | N/A        |
| B6551A1-NT3G-75                               | N/A         | Nickel | Teflon | 75   | N/A        |
| B6551A9-001-NT3G-50<br>Flush Rear 4-40 Screws | N/A         | Nickel | Teflon | 50   | N/A        |



## Panel Receptacles

### Panel Receptacle Plug

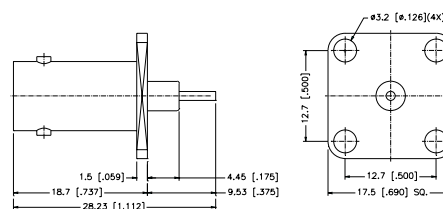
| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| B1551A1-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



### Panel Receptacle Jack - Exposed TFE Type

| P.N.                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|--------|--------|------|------------|
| B6551E1-002-NT30G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| B6551E1-002-ST30GA-50 | N/A         | Silver | Teflon | 50   | N/A        |

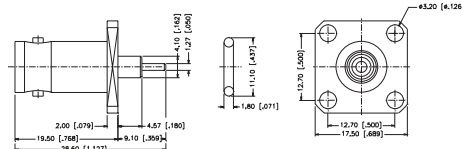
Note: Contact Amphenol for other lengths availability



### Panel Receptacle - Exposed Teflon - Gasket Seal

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| B6551E1-001-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |

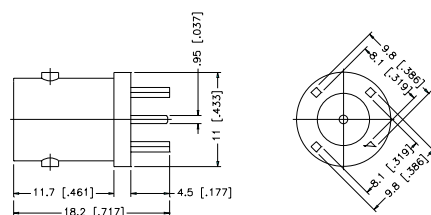
Note: Contact Amphenol for other lengths availability



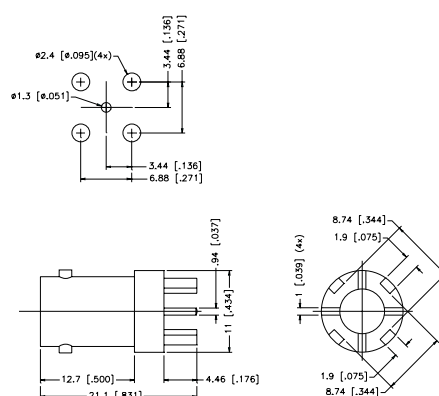
## Printed Circuit Board Connectors

### Straight P.C. Board Mount Jack - Four Legs

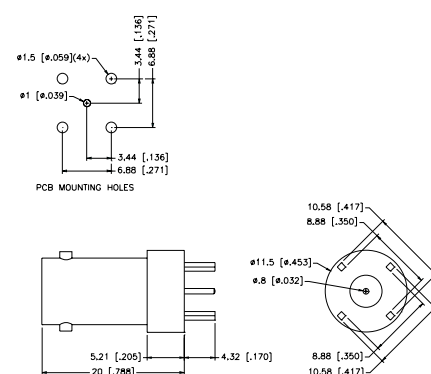
| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| B6251C1-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |
| B6251C1-NT3G-75 | N/A         | Nickel | Teflon | 75   | N/A        |



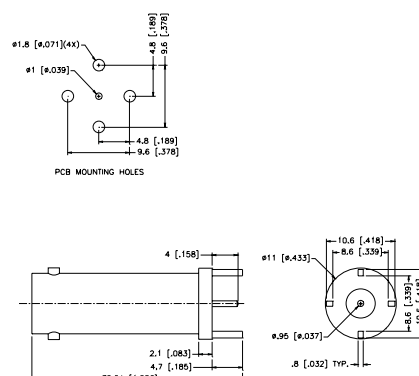
| P.N.             | Cable Group | Plt.   | Ins.          | Imp. | Crimp Tool |
|------------------|-------------|--------|---------------|------|------------|
| B6251D1-NPB3G-50 | N/A         | Nickel | PBT Polyester | 50   | N/A        |
| B6251D1-NPB3G-75 | N/A         | Nickel | PBT Polyester | 75   | N/A        |



| P.N.                              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------------------|-------------|--------|--------|------|------------|
| B6251C1-003-NT3G-50               | N/A         | Nickel | Teflon | 50   | N/A        |
| B6251C1-004-NT3G-50<br>Waterproof | N/A         | Nickel | Teflon | 50   | N/A        |



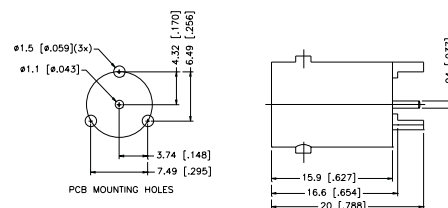
| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| B625100-009-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |
| B625100-009-NT3G-75 | N/A         | Nickel | Teflon | 75   | N/A        |



## Printed Circuit Board Connectors

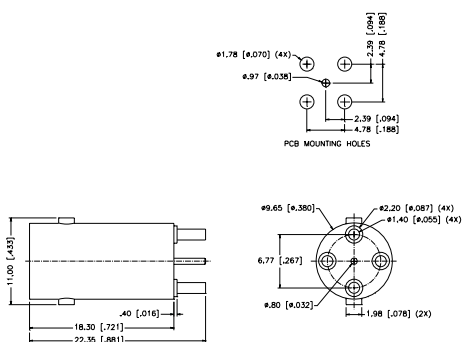
## Straight P.C. Board Mount Jack - Three Legs

| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| B6251E1-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |

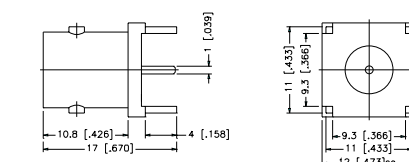


## Straight P.C. Board Mount Jack - Four Legs

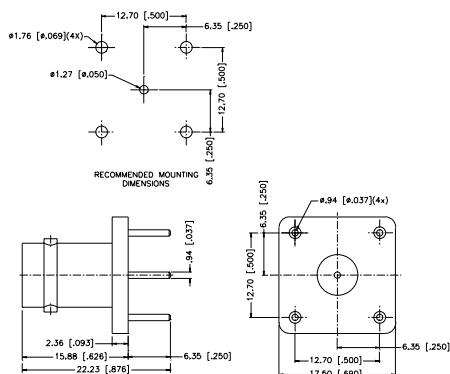
| P.N.                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|--------|--------|------|------------|
| B6251C1-005-NT30G-75T | N/A         | Nickel | Teflon | 75   | N/A        |



| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| B6251F1-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |
| B6251F1-NT3G-75 | N/A         | Nickel | Teflon | 75   | N/A        |



| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| B625100-008-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |
| B625100-005-NT3G-75 | N/A         | Nickel | Teflon | 75   | N/A        |



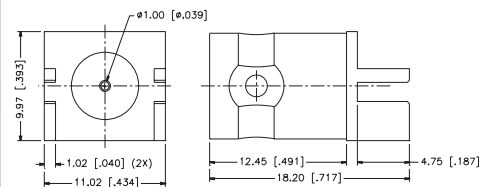
## Straight P.C. Board Edge mount Jack - End Launch

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| B6251Q1-001-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |
| B6251Q1-001-NT3G-75 | N/A         | Nickel | Teflon | 75   | N/A        |

Square Flange



B6251Q1-001-NT3G-50

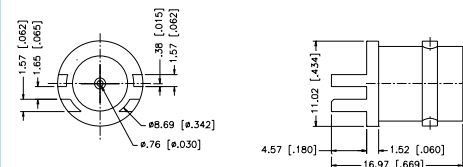


|                     |     |        |        |    |     |
|---------------------|-----|--------|--------|----|-----|
| B625100-006-NT3G-50 | N/A | Nickel | Teflon | 50 | N/A |
| B625100-006-NT3G-75 | N/A | Nickel | Teflon | 75 | N/A |

Round Flange

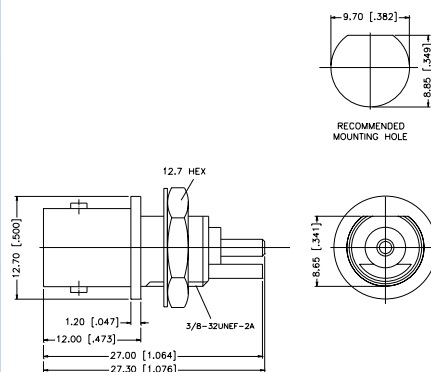


B625100-006-NT3G-50



## Bulkhead Vertical P.C. Board Receptacle - End Launch

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| B6351B1-004-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |

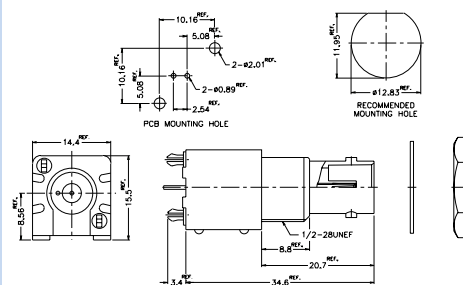


## Printed Circuit Board Connectors

### Commercial Straight P.C. Board Mount Jack

| P.N.              | Cable Group | Plt.   | Ins.          | Imp. | Crimp Tool |
|-------------------|-------------|--------|---------------|------|------------|
| White Housing     |             |        |               |      |            |
| B6251G1-NPP3G-50  | N/A         | Nickel | Polypropylene | 50   | N/A        |
| B6251G1-NPP3G-75T | N/A         | Nickel | Polypropylene | 75   | N/A        |
| Black Housing     |             |        |               |      |            |
| B6251G2-NPP3G-50  | N/A         | Nickel | Polypropylene | 50   | N/A        |
| B6251G2-NPP3G-75T | N/A         | Nickel | Polypropylene | 75   | N/A        |

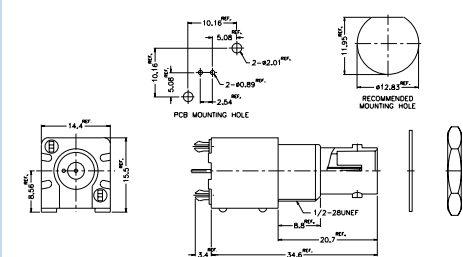
Remark: Add L to part number for Locking Legs



### Commercial Straight P.C. Board Mount Jack - Metal Body

| P.N.              | Cable Group | Plt.   | Ins.          | Imp. | Crimp Tool |
|-------------------|-------------|--------|---------------|------|------------|
| Diecast           |             |        |               |      |            |
| B6251G3-NPP3G-50  | N/A         | Nickel | Polypropylene | 50   | N/A        |
| B6251G3-NPP3G-75T | N/A         | Nickel | Polypropylene | 75   | N/A        |

Note: Connectors are shipped with lock nut and washer

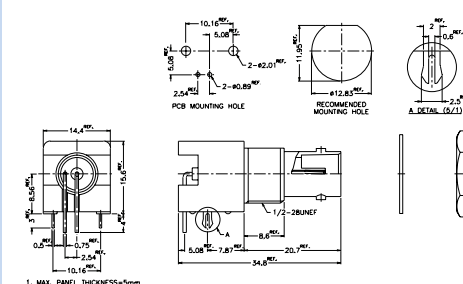


### Commercial Right Angle P.C. Board Mount Jack

| P.N.                             | Cable Group | Plt.   | Ins.          | Imp. | Crimp Tool |
|----------------------------------|-------------|--------|---------------|------|------------|
| High Profile, 15.88 [.625] White |             |        |               |      |            |
| B6252H5-NPP3G-50                 | N/A         | Nickel | Polypropylene | 50   | N/A        |
| B6252H5-NPP3G-75T                | N/A         | Nickel | Polypropylene | 75   | N/A        |
| High Profile, 15.88 [.625] Black |             |        |               |      |            |
| B6252H6-NPP3G-50                 | N/A         | Nickel | Polypropylene | 50   | N/A        |
| B6252H6-NPP3G-75T                | N/A         | Nickel | Polypropylene | 75   | N/A        |
| Low Profile, 13.1 [.516] White   |             |        |               |      |            |
| B6252H7-NPP3G-50                 | N/A         | Nickel | Polypropylene | 50   | N/A        |
| B6252H7-NPP3G-75T                | N/A         | Nickel | Polypropylene | 75   | N/A        |
| Low Profile, 13.1 [.516] Black   |             |        |               |      |            |
| B6252H8-NPP3G-50                 | N/A         | Nickel | Polypropylene | 50   | N/A        |
| B6252H8-NPP3G-75T                | N/A         | Nickel | Polypropylene | 75   | N/A        |

Remark: Add L to part number for Locking Legs

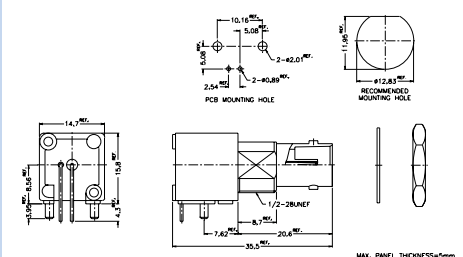
Note: Connectors are shipped with lock nut and washer



### Commercial Right Angle P.C. Board Mount Jack - Metal Body

| P.N.                       | Cable Group | Plt.   | Ins.          | Imp. | Crimp Tool |
|----------------------------|-------------|--------|---------------|------|------------|
| Diecast                    |             |        |               |      |            |
| High Profile, 15.88 [.625] |             |        |               |      |            |
| B6252HA-NPP3G-50           | N/A         | Nickel | Polypropylene | 50   | N/A        |
| B6252HA-NPP3G-75T          | N/A         | Nickel | Polypropylene | 75   | N/A        |
| Low Profile, 13.1 [.516]   |             |        |               |      |            |
| B6252HB-NPP3G-50           | N/A         | Nickel | Polypropylene | 50   | N/A        |
| B6252HB-NPP3G-75T          | N/A         | Nickel | Polypropylene | 75   | N/A        |
| UL approved UL no. E161813 |             |        |               |      |            |

Note: Connectors are shipped with lock nut and washer

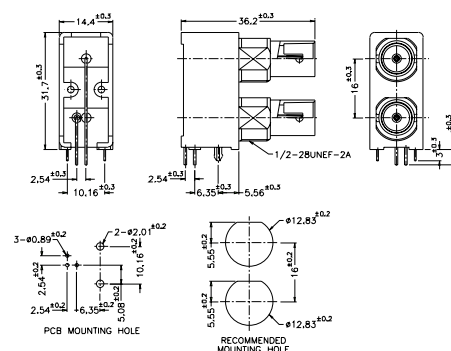


## Printed Circuit Board Connectors

### Dual port PCB Mount Receptacle Hook

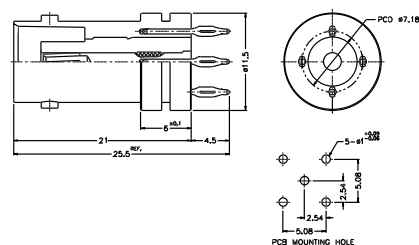
| P.N.             | Cable Group | Plt.   | Ins.          | Imp. | Crimp Tool |
|------------------|-------------|--------|---------------|------|------------|
| B705000-NPB3G-75 | N/A         | Nickel | Polypropylene | 75   | N/A        |
| B705001-NPB3G-75 | N/A         | Nickel | Polypropylene | 75   | N/A        |

Metal body



### Press-Fit P.C Board Receptacle Jack

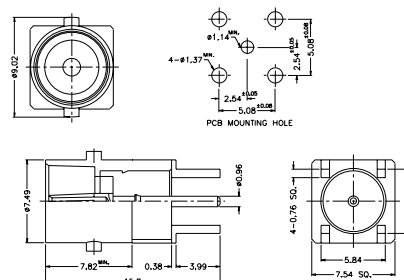
| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| B6251PF-001-NT10G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



## Slimline BNC

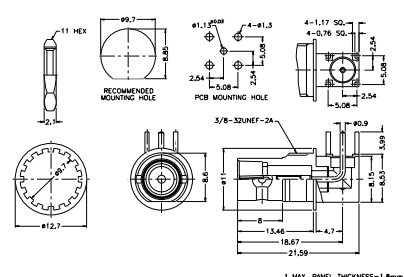
### Straight P.C. Board Receptacle Jack

| P.N.                    | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|--------|--------|------|------------|
| MNB6251A1-001-NT30G-75  | N/A         | Nickel | Teflon | 75   | N/A        |
| MNB6251A1-001-3GT30G-75 | N/A         | Gold   | Teflon | 75   | N/A        |



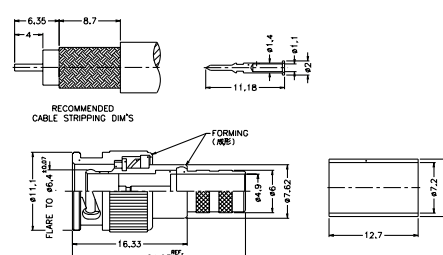
### Right Angle P.C. Board Receptacle Jack

| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| MNB6252A1-001-NT30G-75 | N/A         | Nickel | Teflon | 75   | N/A        |



## Straight Crimp Plug

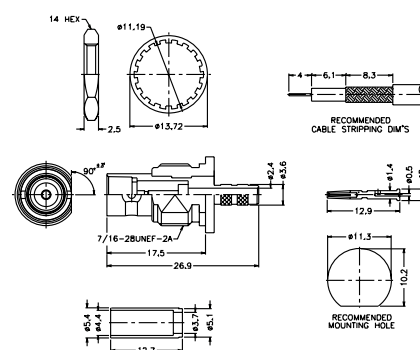
| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| MNB1121A1-001-NT30G-75 | 19          | Nickel | Teflon | 75   | 3          |
| MNB1121A1-NT30G-8A-75  | 08A         | Nickel | Teflon | 75   | 7.06 Hex   |
| MNB1121A1-NT30G-16-75  | 16          | Nickel | Teflon | 75   | 3          |
| MNB1121A1-NT30G-16A-75 | 16A         | Nickel | Teflon | 75   | 3          |
| MNB1121C1-NT30G-18-75  | 18          | Nickel | Teflon | 75   | 4          |
| MNB1121E1-NT30G-6-75   | 06          | Nickel | Teflon | 75   | 7          |



Assembly Instruction J - page 232

## Bulkhead Crimp Jack

| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| MNB6721C1-001-NT30G-75 | 19          | Nickel | Teflon | 75   | 3          |



Assembly Instruction J - page 232

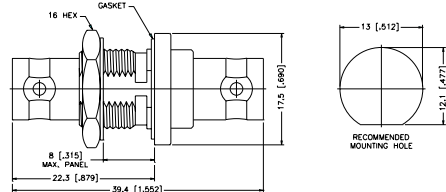
MAX. PANEL THICKNESS=6mm

## In-Series Bulkhead Feedthrough Adapters

### Jack-to-Jack Bulkhead Adapter

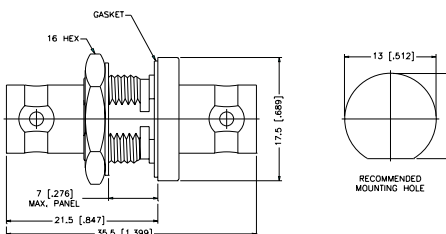
| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| B7471A1-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| B7471A1-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |

Remark: 8.0 mm [.315] Max. panel thickness,  
M55339/13-00492



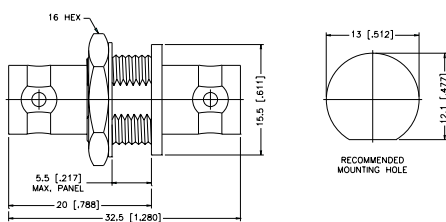
| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| B7471A2-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| B7471A2-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |

Remark: 7.0 mm [.276] Max. panel thickness,  
UG-492A



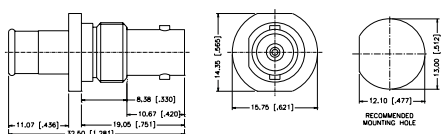
| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| B7471B1-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| B7471B1-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |

Remark: Without gasket, 5.5 mm [.217] Max. panel thickness



### Jack-to-Plug Bulkhead Adapter - Push-On

| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| B5071A1-NT3G-75 | N/A         | Nickel | Teflon | 75   | N/A        |

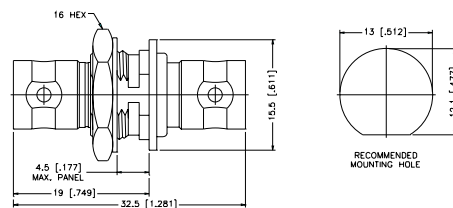


## In-Series Bulkhead Isolated from Ground Adapters

### Jack-to-Jack Bulkhead - Isolated Adapter

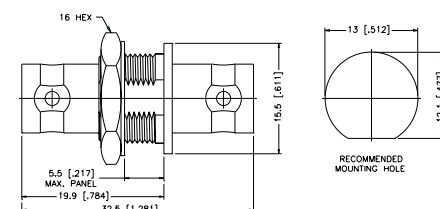
| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| B7771B1-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| B7771B1-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |

Remark: With Isolated Bushing,  
4.5 mm [.177] Max. panel thickness



| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| B7771B3-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| B7771B3-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |

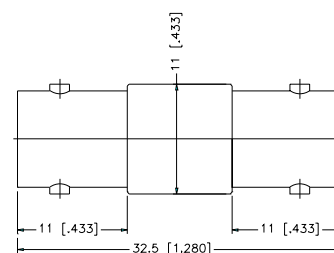
Remark: 5.5 mm [.217] Max. panel thickness



## In-Series Adapters

### Jack-to-Jack Adapter

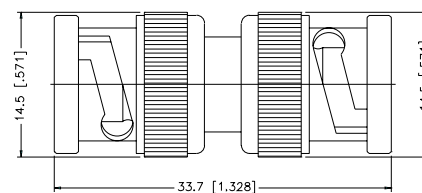
| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| B7071A1-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| B7071A1-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |



## In-Series Adapters

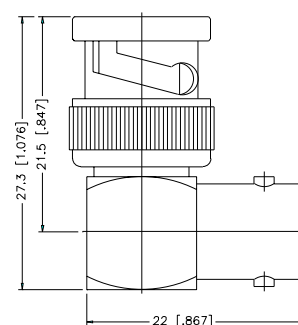
### Plug-to-Plug Adapter

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| Brass Shell         |             |        |        |      |            |
| B2071A2-ND3G-50     | N/A         | Nickel | Delrin | 50   | N/A        |
| B2071A2-ND3G-75     | N/A         | Nickel | Delrin | 75   | N/A        |
| Diecast Shell       |             |        |        |      |            |
| B2071B2-002-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| B2071B2-002-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |



### Right Angle Adapter - Plug-to-Jack

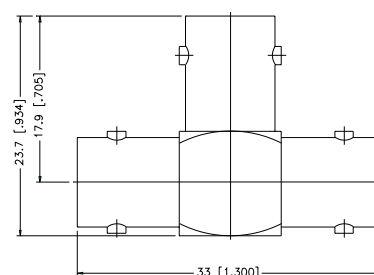
| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| Brass Shell         |             |        |        |      |            |
| B5072A1-ND3G-50     | N/A         | Nickel | Delrin | 50   | N/A        |
| B5072A1-ND3G-75     | N/A         | Nickel | Delrin | 75   | N/A        |
| Diecast Shell       |             |        |        |      |            |
| B5072B1-001-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| B5072B1-001-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |



## In-Series Tee Adapters

### Tee Adapter - Jack-to-Jack-to-Jack

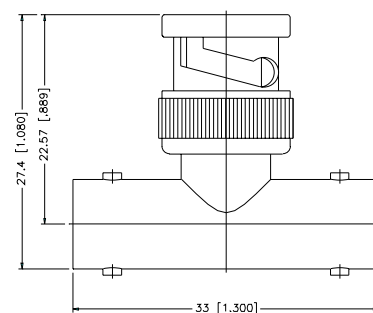
| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| B8073A1-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| B8073A1-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |



## In-Series Tee Adapters

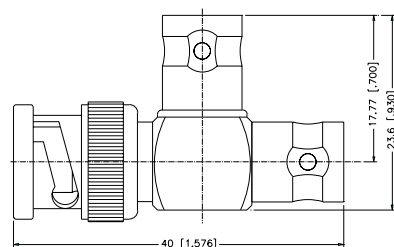
### Tee Adapter - Jack-to-Plug-to-Jack

| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| B9073D1-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| B9073D1-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |



### Tee Adapter - Jack-to-Jack-to-Plug

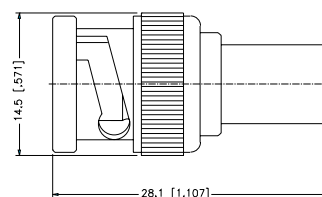
| P.N.         | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------|-------------|--------|--------|------|------------|
| OS-7078-NDG  | N/A         | Nickel | Delrin | 50   | N/A        |
| OS-7078-NT3G | N/A         | Nickel | Teflon | 50   | N/A        |



## Terminators

### Terminator Plug

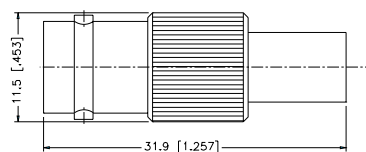
| P.N.                                           | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------------------------------|-------------|--------|--------|------|------------|
| B1004A1-ND3G-50R-0.05-0.5W                     | N/A         | Nickel | Delrin | 50   | N/A        |
| B1004A1-NT3G-50R-0.5W                          | N/A         | Nickel | Teflon | 50   | N/A        |
| B1004A1-ND3G-75R-0.05-1W                       | N/A         | Nickel | Delrin | 75   | N/A        |
| B1004A1-NT3G-75R-0.05-1W                       | N/A         | Nickel | Teflon | 75   | N/A        |
| B1004A1-ND3G-93R-0.05-1W                       | N/A         | Nickel | Delrin | 93   | N/A        |
| B1004A1-NT3G-93R-0.05-1W                       | N/A         | Nickel | Teflon | 93   | N/A        |
| B1004A3-NT3G-50R<br>High Performance           | N/A         | Nickel | Teflon | 50   | N/A        |
| B1004A3-NT3G-75R-0.01-0.5W<br>High Performance | N/A         | Nickel | Teflon | 75   | N/A        |



## Terminators

### Terminator Jack

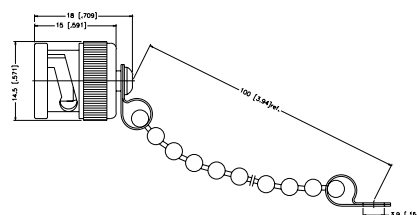
| P.N.                     | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------------|-------------|--------|--------|------|------------|
| B6004A1-NT3G-50R-0.05-1W | N/A         | Nickel | Teflon | 50   | N/A        |
| B6004A1-NT3G-75R-0.05-1W | N/A         | Nickel | Teflon | 75   | N/A        |
| B6004A1-001-ND3G         | N/A         | Nickel | Delrin | 500  | N/A        |



## Accessories

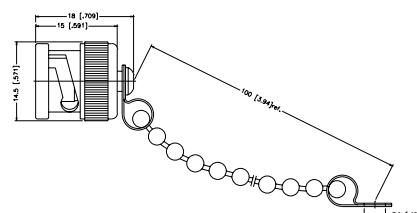
### Male Cap & Chain

| P.N.                                                   | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|--------------------------------------------------------|-------------|--------|------|------|------------|
| B1005A1-N<br>With Chain<br>Remark: Chain length 100 mm | N/A         | Nickel | N/A  | N/A  | N/A        |
| B1005A1-001-N<br>No Chain                              | N/A         | Nickel | N/A  | N/A  | N/A        |



### Male Shorting Cap

| P.N.                       | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------------|-------------|--------|--------|------|------------|
| B1007A1-NT3G<br>No Chain   | N/A         | Nickel | Teflon | N/A  | N/A        |
| B1007A2-NT3G<br>With Chain | N/A         | Nickel | Teflon | N/A  | N/A        |



## TNC Coaxial Connectors

The Amphenol TNC connectors are made to a high quality level. Medium size coaxial connectors with thread coupling. 50 ohm impedance for applications up to 11 GHz and 75 ohm impedance up to 1 GHz. Cable entries full crimp or clamp type with soldered or crimp center contact.

### 75 Ohm Series

Within the internationally standardized TNC mating face dimensions, a perfect 75 ohm characteristic impedance cannot be realized. However, at frequencies up to 1 GHz, the small impedance deviation is negligible for practical applications. A typical SWR of 1.15:1 at 1 GHz is achieved.

All 75 ohm TNC connectors and 50 ohm TNC connectors are intermateable.

Slimline TNC has the same specifications as the standard TNC. Through the new design, it is possible to have 40% more interconnects in the same area.

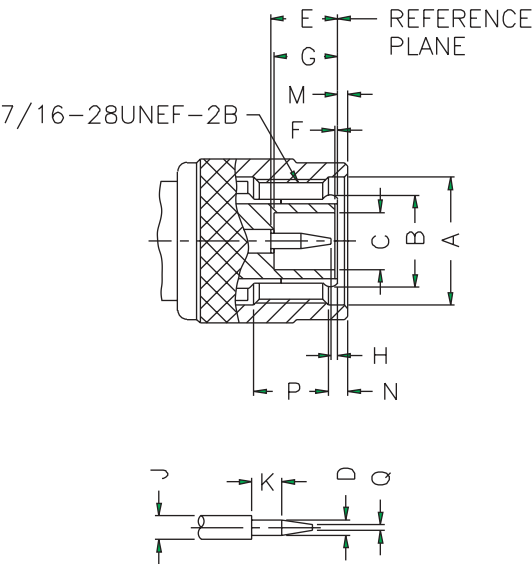
### Electrical Specifications

|                                 |                                                           |                                                           |
|---------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Impedance                       | 50 ohm                                                    | 75 ohm                                                    |
| Frequency Range                 | 0-11 GHz                                                  | 0-1 GHz                                                   |
| Working Voltage                 | 500 Volts rms.                                            | 500 Volts rms.                                            |
| Dielectric Withstanding Voltage | 1500 Volts rms.                                           | 1500 Volts rms.                                           |
| VSWR                            | 1.3 max. 0-11 GHz                                         | 1.05 + 0.1f (GHz) DC to 1 GHz                             |
| Contact Resistance              | Center contact 1.5 milliohm<br>Outer contact 0.2 milliohm | Center contact 1.5 milliohm<br>Outer contact 0.2 milliohm |
| Insulation Resistance           | 5000 megohm (min)                                         | 5000 megohm (min)                                         |

### Material Specifications

| Parts Name     |        | Material                                      | Finish                |
|----------------|--------|-----------------------------------------------|-----------------------|
| Center Contact | Male   | Brass                                         | Gold or Silver plated |
|                | Female | Phosphor Bronze (nominal) or Beryllium Copper | Gold or Silver plated |
| Metal parts    |        | Brass                                         | Nickel*               |
| Insulators     |        | Teflon, Delrin, PBT polyster                  | None                  |
| Clamp gaskets  |        | Silicone rubber, Synthetic rubber             | None                  |
| Crimp ferrule  |        | Annealed copper                               | Nickel*               |

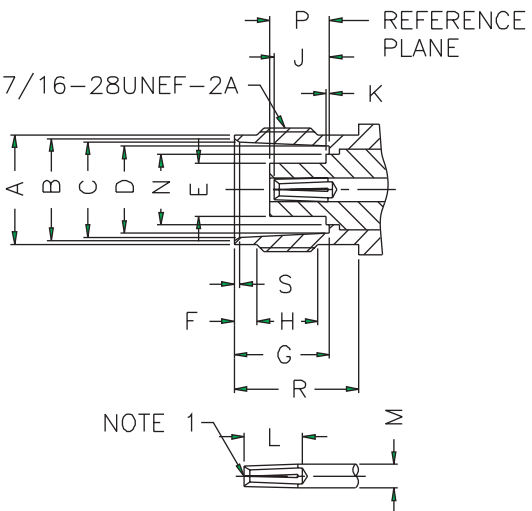
Interface mating dimensions



Plug

| Letter | Millimeters [Inches]                   |             |
|--------|----------------------------------------|-------------|
|        | Minimum                                | Maximum     |
| A      | 11.18 [.440]                           | -           |
| B      | Flared to meet good electrical contact |             |
| C      | 4.83 [.190]                            | -           |
| D      | 1.32 [.052]                            | 1.37 [.054] |
| E      | 5.33 [.210]                            | 5.84 [.230] |
| F      | 0.15 [.006]                            | 0.46 [.018] |
| G      | 5.28 [.208]                            | 5.79 [.228] |
| H      | 0.08 [.003]                            | 1.02 [.040] |
| J      | 2.06 [.081]                            | 2.21 [.087] |
| K      | 1.98 [.078]                            | -           |
| M      | -                                      | 1.98 [.078] |
| N      | 1.60 [.063]                            | -           |
| P      | 3.96 [.156]                            | -           |
| Q      | -                                      | .064 [.025] |

Jack

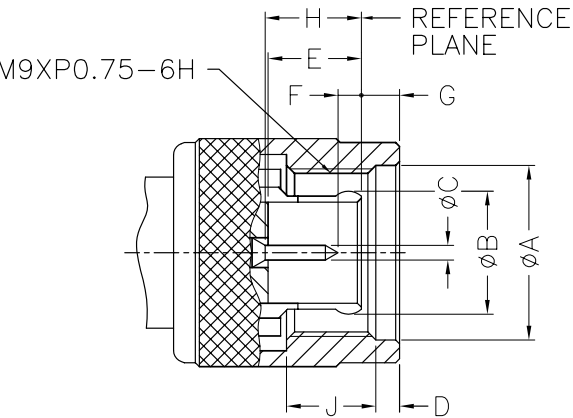


| Letter | Millimeters [Inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| A      | 9.60 [.378]          | 9.70 [.382] |
| B      | 8.79 [.346]          | 9.04 [.356] |
| C      | 8.31 [.327]          | 8.46 [.333] |
| D      | 8.10 [.319]          | 8.15 [.321] |
| E      | -                    | 4.72 [.186] |
| F      | 1.73 [.068]          | 2.24 [.088] |
| G      | 8.31 [.327]          | 8.51 [.335] |
| H      | 4.75 [.187]          | -           |
| J      | 4.72 [.186]          | 5.23 [.206] |
| K      | -                    | 0.15 [.006] |
| L      | 4.95 [.195]          | -           |
| M      | 2.06 [.081]          | 2.21 [.087] |
| N      | -                    | 6.50 [.256] |
| P      | 4.78 [.188]          | 5.28 [.208] |
| R      | 10.52 [.414]         | -           |
| S      | 0.38 [.015]          | 0.76 [.030] |

Note 1: I.D. to meet VSWR and contact resistance when mated with 1.32/1.37 mm dia. Pin.

Slimline TNC Coaxial Connectors

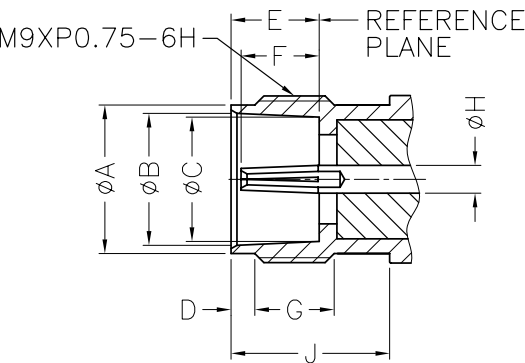
Interface mating dimensions



Plug

| Letter | Millimeters [Inches]                   |             |
|--------|----------------------------------------|-------------|
|        | Minimum                                | Maximum     |
| A      | 9.00 [.354]                            | -           |
| B      | Flared to meet good electrical contact |             |
| C      | 0.72 [.028]                            | 0.76 [.030] |
| D      | 1.10 [.004]                            | -           |
| E      | 4.55 [.179]                            | 4.85 [.191] |
| F      | 1.00 [.004]                            | 1.30 [.051] |
| G      | -                                      | 2.30 [.091] |
| H      | 4.70 [.185]                            | 5.00 [.197] |
| J      | 4.00 [.157]                            | -           |

Jack



| Letter | Millimeters [Inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| A      | 7.44 [.293]          | 7.54 [.297] |
| B      | 6.55 [.262]          | 6.75 [.266] |
| C      | 6.22 [.245]          | 6.27 [.247] |
| D      | 1.10 [.004]          | 1.50 [.059] |
| E      | 4.35 [.171]          | 4.55 [.179] |
| F      | 4.00 [.157]          | 4.30 [.169] |
| G      | 3.60 [.142]          | -           |
| H      | 1.38 [.054]          | 1.42 [.056] |
| J      | 7.82 [.308]          | -           |

All connector bodies, unless otherwise noted, are nickel plated. Center contacts are 3μ" gold plated. Insulators are Delrin, unless otherwise noted.

Silver plating and Teflon insulators are available on virtually all TNC connectors. Please contact Amphenol for samples and quotes.

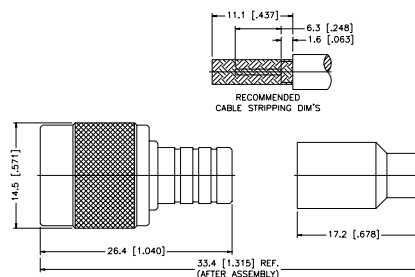
All dimensions in millimeters and [inches].

## Plug Crimp Attachment for Flexible Cable

### Straight Crimp plug - Single crimp - Standard Cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| T1111K1-ND3G-1-50 | 01          | Nickel | Delrin | 50   | 5          |
| T1111K1-ND3G-3-75 | 03          | Nickel | Delrin | 75   | 5          |

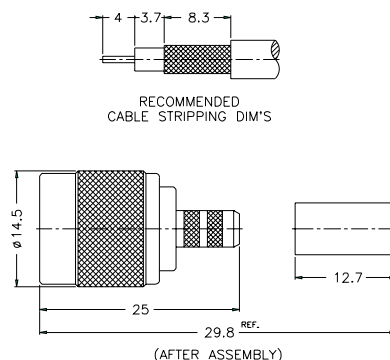
Remark: Only for solid center conductor cable



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### Straight Crimp Plug - Standard Cable

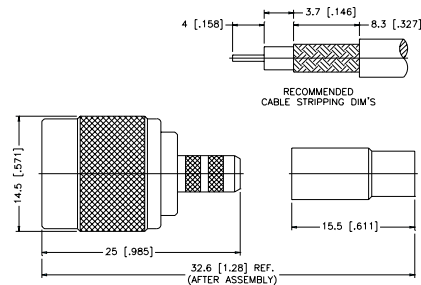
| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| T1121A1-ND3G-1-50      | 01          | Nickel | Delrin | 50   | 3          |
| T1121A1-ND3G-1A-50     | 01A         | Nickel | Delrin | 50   | 3 or 4     |
| T1121A1-ND3G-1B-50     | 01B         | Nickel | Delrin | 50   | 3 or 4     |
| T1121AA-ND3G-3-50      | 03          | Nickel | Delrin | 50   | 4          |
| T1121AA-ND3G-3-75      | 03          | Nickel | Delrin | 75   | 4          |
| T1121A1-ND3G-3A-75     | 03A         | Nickel | Delrin | 75   | 4          |
| T1121A6-NT3G-7-50      | 07          | Nickel | Teflon | 50   | 4 + 5      |
| T1121A6-NT3G-7A-50     | 07A         | Nickel | Teflon | 50   | 4 + 6      |
| T1121A1-NT3G-7B-50     | 07B         | Nickel | Teflon | 50   | 4          |
| T1121A6-NT3G-7C-50     | 07C         | Nickel | Teflon | 50   | 6          |
| T1121A1-ND3G-8-75      | 08          | Nickel | Delrin | 75   | 5          |
| T1121A1-ND3G-15-75     | 15          | Nickel | Delrin | 75   | 5          |
| T1121A1-019-NT3G-17-50 | 17          | Nickel | Teflon | 50   | .610 hex   |



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### Straight Crimp Plug - Plenum Cable

| P.N.                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|--------|--------|------|------------|
| T1121C1-001-ND3G-2-50 | 02          | Nickel | Delrin | 50   | 3 or 4     |



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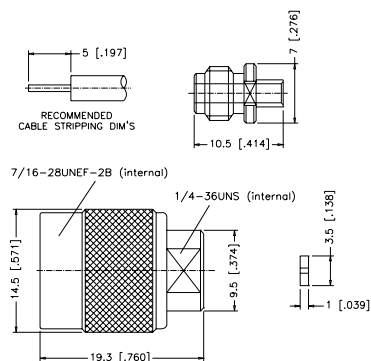
## Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Straight Solder Plug - Semi-Rigid Cable

| P.N.                       | Cable Group | Plt.        | Ins.   | Imp. | Crimp Tool |
|----------------------------|-------------|-------------|--------|------|------------|
| T1181B1-N/3GT3G-11-50      | 11          | Nickel/Gold | Teflon | 50   | N/A        |
| T1181A1-001-N/NT30GA-10-50 | 10          | Nickel/Gold | Teflon | 50   | N/A        |

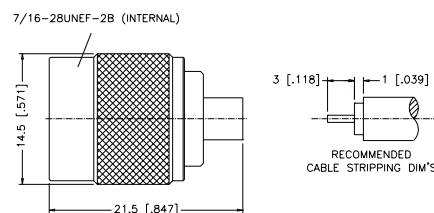


T1181B1-N/3GT3G-11-50



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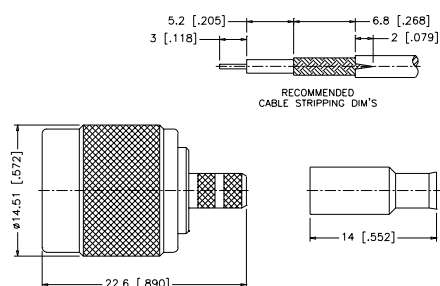
T1181A1-001-N/NT30GA-10-50



### Straight Crimp Plug - Miniature Cable

| P.N.                                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------------------------|-------------|--------|--------|------|------------|
| T1121EA-002-ND3G-5-50               | 05          | Nickel | Delrin | 50   | 2          |
| T1121G2-NT3G-5-50<br>High Frequency | 05          | Nickel | Teflon | 50   | 1 or 2     |
| T1121G1-ND3G-5A-50                  | 05A         | Nickel | Delrin | 50   | 2          |
| T1121E1-ND3G-6-75                   | 06          | Nickel | Delrin | 75   | 3          |
| T1121E2-ND3G-6A-75                  | 06A         | Nickel | Delrin | 75   | 3          |

Remark: With Teflon sleeve, Hex. crimp size .178"



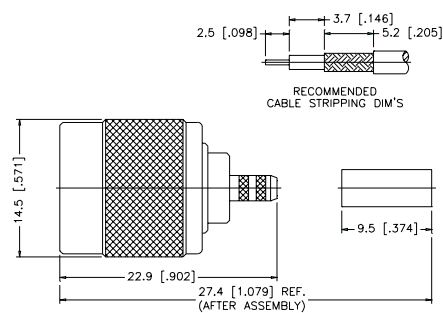
Assembly Instruction K - page 233

## Plug Crimp Attachment for Flexible Cable

### Straight Crimp Plug - Pin-In-Pin - Miniature Cable

| P.N.               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------|-------------|--------|--------|------|------------|
| T1121G1-ND3G-5-50  | 05          | Nickel | Delrin | 50   | 2          |
| T1121G1-ND3G-6-75  | 06          | Nickel | Delrin | 75   | 1 or 2     |
| T1121G1-ND3G-14-50 | 14          | Nickel | Delrin | 50   | 1          |

Remark: Hex. crimp size .128"

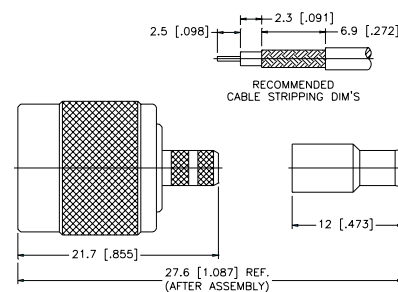


Assembly Instruction J - page 232

### Straight Crimp Plug - Miniature Cable

| P.N.                | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|---------------------|-------------|--------|------|------|------------|
| T1121E9-NTPX3G-6-75 | 06          | Nickel | TPX  | 75   | 3          |

Remark: TPX Insulator/75 ohm available only



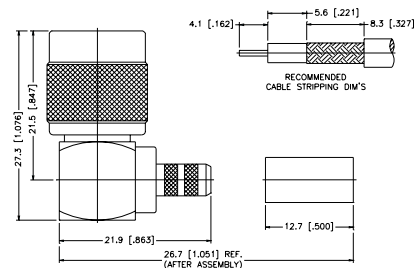
Assembly Instruction L - page 234

## Right Angle Plug Crimp Attachment for Flexible Cable

### Right Angle Crimp/Solder Plug - Standard Cable

| P.N.               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------|-------------|--------|--------|------|------------|
| T1112A1-ND3G-1-50  | 01          | Nickel | Delrin | 50   | 3 or 4     |
| T1112A1-NT3G-1A-50 | 01A         | Nickel | Teflon | 50   | 3 or 4     |
| T1112A1-ND3G-3-50  | 03          | Nickel | Delrin | 50   | 4          |
| T1112A1-ND3G-3-75  | 03          | Nickel | Delrin | 75   | 4          |
| T1112A1-ND3G-1B-50 | 01B         | Nickel | Delrin | 50   | 3 or 4     |

Remark: Cable center conductor solder to pin directly



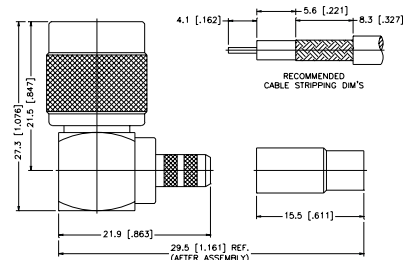
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## Right Angle Plug Crimp Attachment for Flexible Cable

### Right Angle Crimp/Solder Plug - Miniature Cable

| P.N.               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------|-------------|--------|--------|------|------------|
| T1112A2-ND3G-5-50  | 05          | Nickel | Delrin | 50   | 9          |
| T1112E1-NT3G-5A-50 | 05A         | Nickel | Teflon | 50   | 9          |
| T1112E1-ND3G-6-75  | 06          | Nickel | Delrin | 75   | 9          |
| T1112E1-ND3G-6A-75 | 06A         | Nickel | Delrin | 75   | 9          |

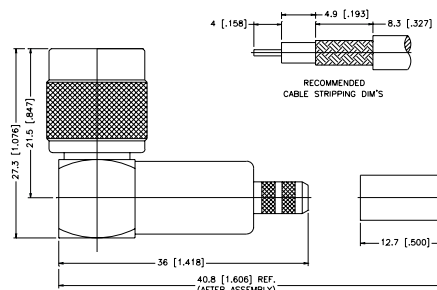
Remark: Cable Center Conductor Solder to pin directly, Hex. crimp size .178"



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### Right Angle Crimp/Crimp Plug - Standard Cable

| P.N.               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------|-------------|--------|--------|------|------------|
| T1122A1-ND3G-1-50  | 01          | Nickel | Delrin | 50   | 3 or 4     |
| T1122A1-ND3G-3-50  | 03          | Nickel | Delrin | 50   | 4          |
| T1122A1-ND3G-3-75  | 03          | Nickel | Delrin | 75   | 4          |
| T1122A1-ND3G-1A-50 | 01A         | Nickel | Delrin | 50   | 3 or 4     |

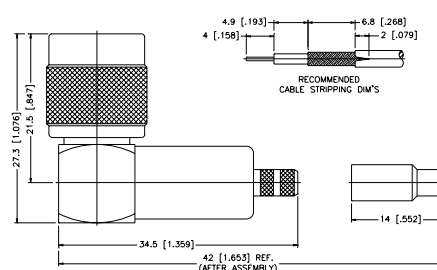


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### Right Angle Crimp/Crimp Plug - Miniature Cable

| P.N.               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------|-------------|--------|--------|------|------------|
| T1122E1-ND3G-5-50  | 05          | Nickel | Delrin | 50   | 9          |
| T1122E1-ND3G-6-75  | 06          | Nickel | Delrin | 75   | 9          |
| T1122E1-ND3G-5A-50 | 05A         | Nickel | Delrin | 50   | 9          |

Remark: With teflon sleeve, Hex. crimp size .178", Crimp/Crimp Type

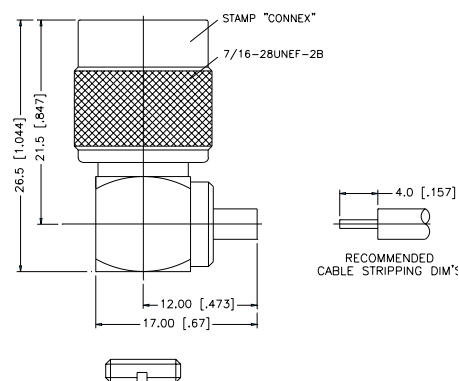


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## Right Angle Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Right Angle Solder Plug - Semi-Rigid Cable

| P.N.                  | Cable Group | Plt.        | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|-------------|--------|------|------------|
| T1182A1-N/3GT3G-11-50 | 11          | Nickel/Gold | Teflon | 50   | N/A        |
| T1182A1-N/3GT3G-10-50 | 10          | Nickel/Gold | Teflon | 50   | N/A        |

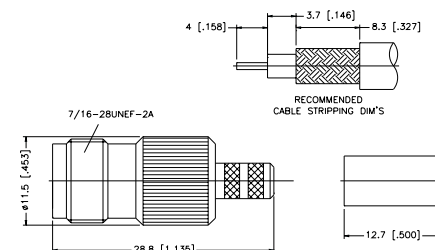


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## Jack Crimp Attachment for Flexible Cable

### Straight Crimp Jack - Standard Cable

| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| T6121A1-NT3G-1-50      | 01          | Nickel | Teflon | 50   | 3 or 4     |
| T6121A1-NT3G-3-50      | 03          | Nickel | Teflon | 50   | 4          |
| T6121A1-NT3G-3-75      | 03          | Nickel | Teflon | 75   | 4          |
| T6121A1-ND3G-1A-50     | 01A         | Nickel | Delrin | 50   | 3 or 4     |
| T6121A1-NT3G-1B-50     | 01B         | Nickel | Teflon | 50   | 4          |
| T6121A6-NT3G-7C-50     | 07C         | Nickel | Teflon | 50   | 6          |
| T6121A1-NT3G-7B-50     | 07B         | Nickel | Teflon | 50   | 4          |
| T6121A1-NT3G-15-75     | 15          | Nickel | Teflon | 75   | 5          |
| T6121A1-001-NT3G-17-50 | 17          | Nickel | Teflon | 50   | .610 hex   |

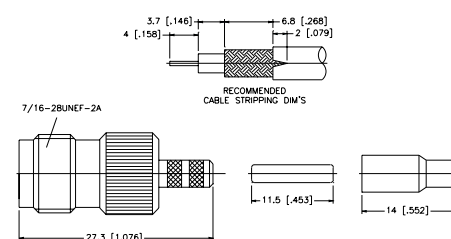


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### Straight Crimp Jack - Miniature Cable

| P.N.                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|--------|--------|------|------------|
| T6121E1-001-ND3G-5-50 | 05          | Nickel | Delrin | 50   | 3          |
| T6121E1-ND3G-5A-50    | 05A         | Nickel | Delrin | 50   | 3          |
| T6121E1-ND3G-6-75     | 06          | Nickel | Delrin | 75   | 3          |
| T6121E1-ND3G-6A-75    | 06A         | Nickel | Delrin | 75   | 3          |

Remark: with Teflon sleeve, Hex. crimp .178"

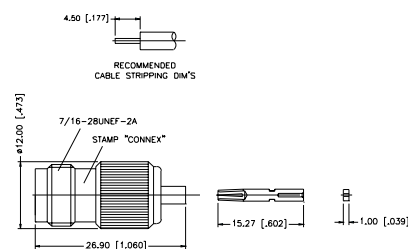


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## Jack Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Straight Solder Jack - Semi-Rigid Cable

| P.N.                  | Cable Group | Plt.        | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|-------------|--------|------|------------|
| T6181A1-N/3GT3G-11-50 | 11          | Nickel/Gold | Teflon | 50   | N/A        |
| T6181A1-N/3GT3G-10-50 | 10          | Nickel/Gold | Teflon | 50   | N/A        |



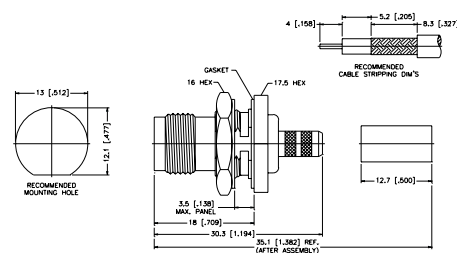
Assembly Instruction E - page 227

## Bulkhead Jack Crimp Attachment for Flexible Cable

### Bulkhead Crimp Jack - Standard Cable

| P.N.               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------|-------------|--------|--------|------|------------|
| T6421A1-NT3G-1-50  | 01          | Nickel | Teflon | 50   | 3 or 4     |
| T6421A1-NT3G-3-50  | 03          | Nickel | Teflon | 50   | 4          |
| T6421A1-NT3G-3-75  | 03          | Nickel | Teflon | 75   | 4          |
| T6421A1-NT3G-1A-50 | 01A         | Nickel | Teflon | 50   | 3 or 4     |
| T6421A1-ND3G-1B-50 | 01B         | Nickel | Delrin | 50   | 3 or 4     |
| T6421A6-NT3G-7C-50 | 07C         | Nickel | Teflon | 50   | 6          |
| T6421A1-NT3G-8-75  | 08          | Nickel | Teflon | 75   | 5          |
| T6421C2-NT3G-19-75 | 19          | Nickel | Teflon | 75   | 3          |

Remark: 3.5 [.138] Max. panel thickness

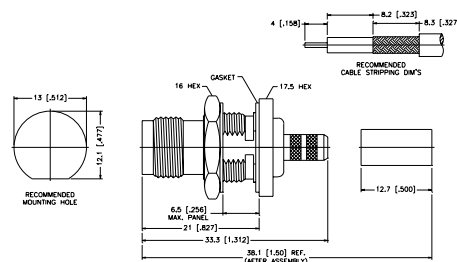


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### Bulkhead Crimp Jack - Standard Cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| T6421A2-NT3G-1-50 | 01          | Nickel | Teflon | 50   | 3 or 4     |
| T6421A2-NT3G-3-50 | 03          | Nickel | Teflon | 50   | 4          |
| T6421A2-NT3G-3-75 | 03          | Nickel | Teflon | 75   | 4          |

Remark: 6.5 [.256] Max. panel thickness



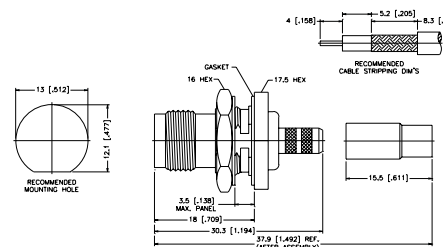
Assembly Instruction J - page 232

## Bulkhead Jack Crimp Attachment for Flexible Cable

### Bulkhead Crimp Jack - Plenum Cable

| P.N.                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|--------|--------|------|------------|
| T6421C1-001-NT3G-2-50 | 02          | Nickel | Teflon | 50   | 3 or 4     |

Remark: 3.5 [.138] Max. panel thickness



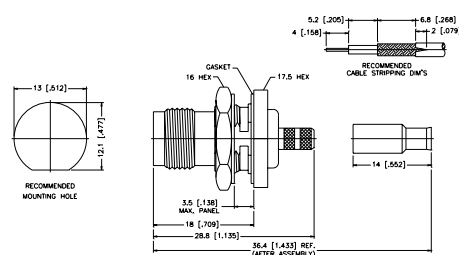
Assembly Instruction J - page 232

## Bulkhead Jack Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Bulkhead Crimp Jack - Miniature Cable - Rear mount

| P.N.                                           | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------------------------------|-------------|--------|--------|------|------------|
| T6421E1-003-ND3G-5-50                          | 05          | Nickel | Delrin | 50   | 9          |
| T6421E2-NT3G-5-50<br>For 6.5 [.256] Panel      | 05          | Nickel | Teflon | 50   | 2          |
| T6421E1-ND3G-5A-50                             | 05A         | Nickel | Delrin | 50   | 2          |
| T6421E1-ND3G-6-75                              | 06          | Nickel | Delrin | 50   | 3          |
| T6421E1-ND3G-6A-75                             | 06A         | Nickel | Delrin | 50   | 3          |
| T6421G1-ND3G-14-50                             | 14          | Nickel | Delrin | 50   | 1 or 2     |
| T6421G1-003-ND3G-14-50<br>For 6.5 [.256] Panel | 14          | Nickel | Delrin | 50   | 1          |
| T6421B1-ND3G-1-50                              | 01          | Nickel | Delrin | 50   | 3 or 4     |
| T6421B1-ND3G-16-75                             | 16          | Nickel | Teflon | 50   | 3          |
| T6421B1-ND3G-16A-75                            | 16A         | Nickel | Delrin | 75   | 3          |

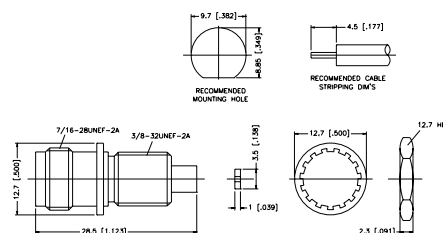
Remark: 3.5 [.138] Max. panel thickness.



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### Bulkhead Solder Jack - Semi-Rigid Cable- Front Mount

| P.N.                  | Cable Group | Plt.        | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|-------------|--------|------|------------|
| T6381A1-N/3GT3G-10-50 | 10          | Nickel/Gold | Teflon | 50   | N/A        |

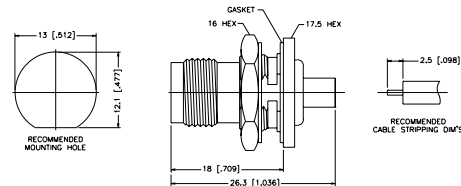


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## Bulkhead Jack Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

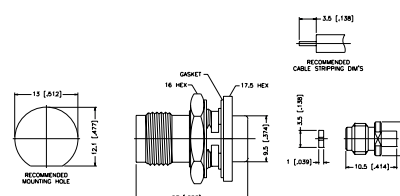
### Bulkhead Solder Jack - Semi-Rigid Cable - Rear Mount

| P.N.                  | Cable Group | Plt.        | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|-------------|--------|------|------------|
| T6481A1-N/3GT3G-10-50 | 10          | Nickel/Gold | Teflon | 50   | N/A        |



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|                       |    |             |        |    |     |
|-----------------------|----|-------------|--------|----|-----|
| T6481A1-N/3GT3G-11-50 | 11 | Nickel/Gold | Teflon | 50 | N/A |
|-----------------------|----|-------------|--------|----|-----|



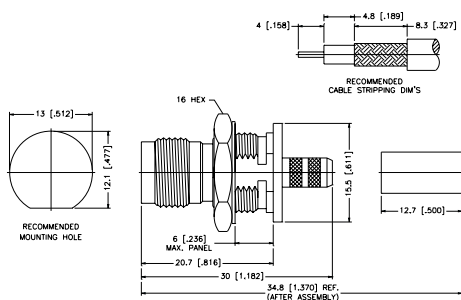
Assembly Instruction G - page 229

## Bulkhead Jack Crimp Attachment for Flexible Cable

### Bulkhead Isolated Crimp Jack - Standard Cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| T6721A1-NT3G-1-50 | 01          | Nickel | Teflon | 50   | 3 or 4     |
| T6721A1-NT3G-3-50 | 03          | Nickel | Teflon | 50   | 4          |
| T6721A1-NT3G-3-75 | 03          | Nickel | Teflon | 75   | 4          |

Remark: 6.0 [.236] Max. panel thickness



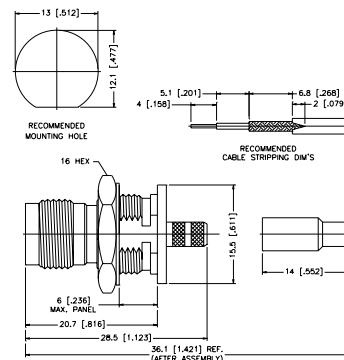
Assembly Instruction J - page 232

## Bulkhead Jack Crimp Attachment for Flexible Cable

### Bulkhead Isolated Crimp Jack - Miniature Cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| T6721E1-NT3G-5-50 | 05          | Nickel | Teflon | 50   | 3          |
| T6721E1-NT3G-6-75 | 06          | Nickel | Teflon | 75   | 3          |

Remark: with Teflon sleeve, Hex. crimp size .178",  
6.0 [.236] Max. panel thickness



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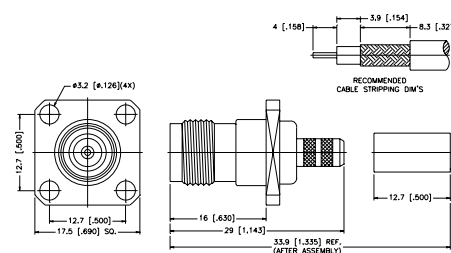
## Panel Jack Crimp Attachment for Flexible Cable

### Panel Crimp Jack - Standard Cable

| P.N.               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------|-------------|--------|--------|------|------------|
| Teflon/Captured    |             |        |        |      |            |
| T6521A1-NT3G-1-50  | 01          | Nickel | Teflon | 50   | 3 or 4     |
| T6521A1-NT3G-3-50  | 03          | Nickel | Teflon | 50   | 4          |
| T6521A1-NT3G-3-75  | 03          | Nickel | Teflon | 75   | 4          |
| T6521A1-NT3G-1A-50 | 01A         | Nickel | Teflon | 50   | 3 or 4     |

|                    |    |        |        |    |        |
|--------------------|----|--------|--------|----|--------|
| Delrin/Noncaptured |    |        |        |    |        |
| T6521A1-ND3G-1-50  | 01 | Nickel | Delrin | 50 | 3 or 4 |
| T6521A1-ND3G-3-50  | 03 | Nickel | Delrin | 50 | 4      |
| T6521A1-ND3G-3-75  | 03 | Nickel | Delrin | 75 | 4      |

Remark: 5.0 [.197] Max. panel thickness

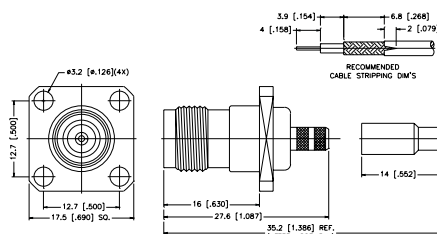


Assembly Instruction J - page 232  
Assembly Instruction K - page 233

### Panel Crimp Jack - Miniature Cable

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| T6521E1-ND3G-5-50   | 05          | Nickel | Delrin | 50   | 2          |
| T6521E1-ND3G-5A-50  | 05A         | Nickel | Delrin | 50   | 3          |
| T6521E1-ND3G-6-75   | 06          | Nickel | Delrin | 75   | 3          |
| T6521G1-NT3G-14-50  | 14          | Nickel | Teflon | 50   | 1          |
| T6521A1-NT3G-16-75  | 16          | Nickel | Teflon | 75   | 9          |
| T6521A1-NT3G-16A-75 | 16A         | Nickel | Teflon | 75   | 3          |

Remark: with Teflon sleeve, Hex. crimp size .178", 5.0 [.197] Max. panel thickness

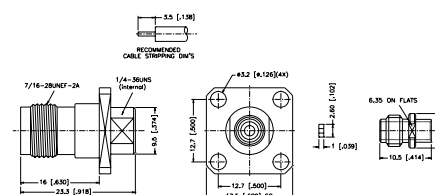


Assembly Instruction K - page 233

## Panel Jack Crimp Attachment for Flexible Cable and Direct solder for Semi-Rigid Cable

### Panel Solder Jack - Semi-Rigid Cable

| P.N.                  | Cable Group | Plt.        | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|-------------|--------|------|------------|
| T6581A1-N/3GT3G-10-50 | 10          | Nickel/Gold | Teflon | 50   | N/A        |
| T6581A1-N/3GT3G-11-50 | 11          | Nickel/Gold | Teflon | 50   | N/A        |



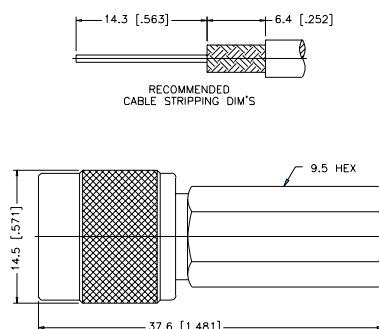
Assembly Instruction G - page 229

## Twist-on Attachment for Flexible Cable

### Twist-On Plug - Standard Cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| T1131A1-ND3G-1-50 | 01          | Nickel | Delrin | 50   | N/A        |
| T1131A1-ND3G-3-50 | 03          | Nickel | Delrin | 50   | N/A        |
| T1131A1-ND3G-3-75 | 03          | Nickel | Delrin | 75   | N/A        |

Remark: Only for solid center conductor cable

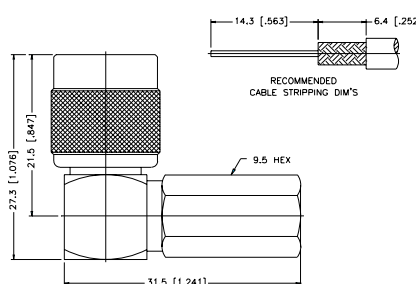


Assembly Instruction O - page 237

### Right Angle Twist-On Plug - Standard Cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| T1132A1-ND3G-1-50 | 01          | Nickel | Delrin | 50   | N/A        |
| T1132A1-ND3G-3-50 | 03          | Nickel | Delrin | 50   | N/A        |
| T1132A1-ND3G-3-75 | 03          | Nickel | Delrin | 75   | N/A        |

Remark: Only for solid center conductor cable.

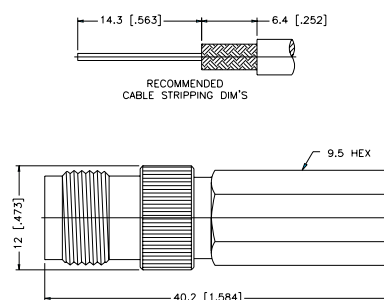


## Twist-on Attachment for Flexible Cable

### Twist-On Jack - Standard Cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| T6131A1-ND3G-1-50 | 01          | Nickel | Delrin | 50   | N/A        |
| T6131A1-ND3G-3-50 | 03          | Nickel | Delrin | 50   | N/A        |
| T6131A1-ND3G-3-75 | 03          | Nickel | Delrin | 75   | N/A        |

Remark: Only for solid center conductor cable.



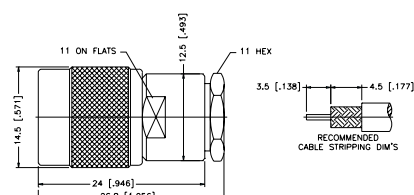
Assembly Instruction O - page 237

## Clamp Attachment for Flexible Cable

### Straight Clamp Plug - Captive Contact - Standard Cable

| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| T1141A1-ND3G-1-50      | 01          | Nickel | Delrin | 50   | N/A        |
| T1141A1-ND3G-3-50      | 03          | Nickel | Delrin | 50   | N/A        |
| T1141A1-ND3G-3-75      | 03          | Nickel | Delrin | 75   | N/A        |
| T1141A2-001-NT3G-7A-50 | 07A         | Nickel | Teflon | 50   | N/A        |
| T1141A2-NT3G-7C-50     | 07C         | Nickel | Teflon | 50   | N/A        |

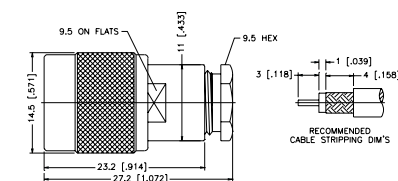
Remark: Barrel O.D., 12.5 mm



Assembly Instruction N - page 2366

### Straight Clamp Plug - Standard Cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| T1141C1-ND3G-1-50 | 01          | Nickel | Delrin | 50   | N/A        |
| T1141C1-ND3G-3-50 | 03          | Nickel | Delrin | 50   | N/A        |
| T1141C1-ND3G-5-50 | 05          | Nickel | Delrin | 50   | N/A        |

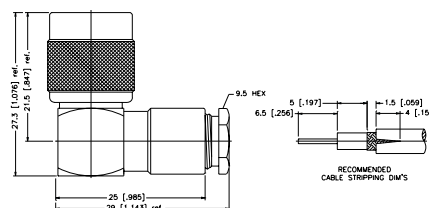


Assembly Instruction M - page 235

## Clamp Attachment for Flexible Cable

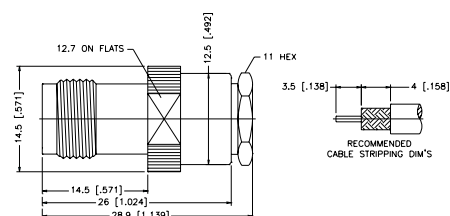
### Right Angle Clamp Plug - Standard Cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| T1142E1-ND3G-1-50 | 01          | Nickel | Delrin | 50   | N/A        |
| T1142E1-ND3G-3-50 | 03          | Nickel | Delrin | 50   | N/A        |
| T1142E1-ND3G-3-75 | 03          | Nickel | Delrin | 75   | N/A        |



### Straight Clamp Jack - Captive contact - Standard Cable

| P.N.               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------|-------------|--------|--------|------|------------|
| T6141A1-NT3G-1-50  | 01          | Nickel | Teflon | 50   | N/A        |
| T6141A1-NT3G-3-50  | 03          | Nickel | Teflon | 50   | N/A        |
| T6141A1-NT3G-3-75  | 03          | Nickel | Teflon | 75   | N/A        |
| T6141A2-NT3G-7A-50 | 07A         | Nickel | Teflon | 50   | N/A        |



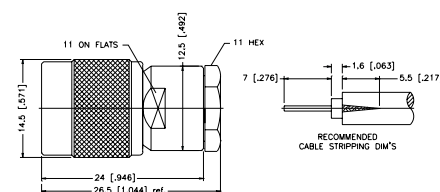
Assembly Instruction N - page 235

## Wedge Compression Attachment for Flexible Cable

### Wedge Compression Plug - Standard Cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| T1141G1-ND3G-1-50 | 01          | Nickel | Delrin | 50   | N/A        |
| T1141G1-ND3G-3-50 | 03          | Nickel | Delrin | 50   | N/A        |
| T1141G1-ND3G-3-75 | 03          | Nickel | Delrin | 75   | N/A        |

Remark: With wedge pin



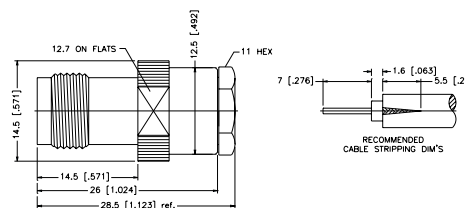
Assembly Instruction P - page 238

## Wedge Compression Attachment for Flexible Cable

### Wedge Compression Jack - Standard Cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| T6141G1-NT3G-1-50 | 01          | Nickel | Teflon | 50   | N/A        |
| T6141G1-NT3G-3-50 | 03          | Nickel | Teflon | 50   | N/A        |
| T6141G1-NT3G-3-75 | 03          | Nickel | Teflon | 75   | N/A        |

Remark: With wedge pin

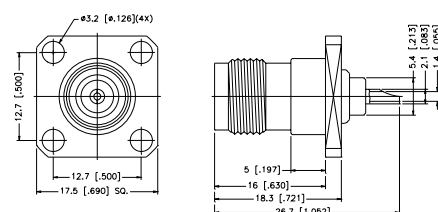


Assembly Instruction P - page 238

## Panel Receptacle Jack

### Panel Receptacle Jack

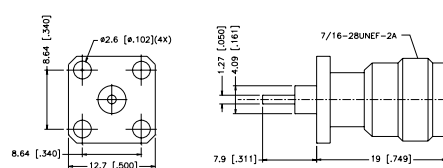
| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| T6551A1-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |
| T6551A1-NT3G-75 | N/A         | Nickel | Teflon | 75   | N/A        |



### Panel Receptacle Jack - Extended Teflon Post - 0.5" Flange

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| T6551F1-002-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |

Note: Contact Amphenol for other lengths availability

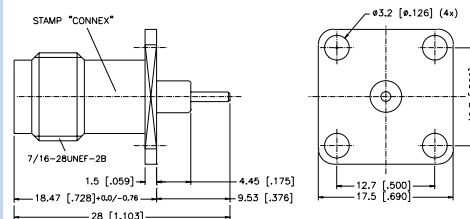


## Panel Receptacle Jack

### Panel Receptacle Jack - Extended Teflon Post

| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| T6551C1-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |

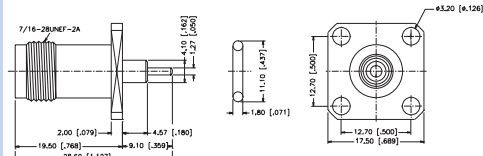
Note: Contact Amphenol for other lengths availability



### Panel Receptacle Jack - Extended Teflon Post - Gasket Seal

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| T6551E1-001-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |

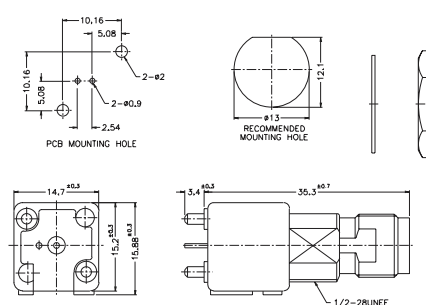
Note: Contact Amphenol for other lengths availability



## Printed Circuit Board Connectors

### Commercial Straight P.C. Board Mount Jack

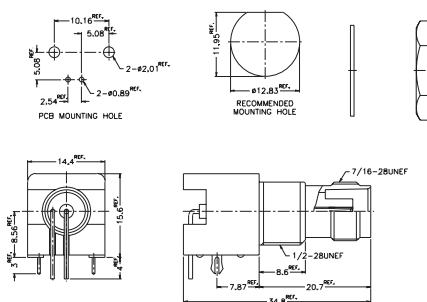
| P.N.             | Cable Group | Plt.   | Ins.          | Imp. | Crimp Tool |
|------------------|-------------|--------|---------------|------|------------|
| T6251G1-NPP3G-50 | N/A         | Nickel | Polypropylene | 50   | N/A        |
| T6251G3-NPP3G-50 | N/A         | Nickel | Polypropylene | 50   | N/A        |
| Diecast Body     |             |        |               |      |            |



## Printed Circuit Board Connectors

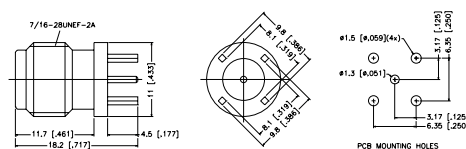
### Commercial Right Angle P.C. Board Mount Jack

| P.N.                         | Cable Group | Plt.   | Ins.          | Imp. | Crimp Tool |
|------------------------------|-------------|--------|---------------|------|------------|
| High Profile, 15.88 mm White |             |        |               |      |            |
| T6252H5-NPP3G-50             | N/A         | Nickel | Polypropylene | 50   | N/A        |
| T6252H5-NPP3G-75T            | N/A         | Nickel | Polypropylene | 50   | N/A        |
| High Profile, 15.88 mm Black |             |        |               |      |            |
| T6252H6-NPP3G-50             | N/A         | Nickel | Polypropylene | 50   | N/A        |
| T6252H6-NPP3G-75T            | N/A         | Nickel | Polypropylene | 50   | N/A        |
| Low profile, 13.1 mm White   |             |        |               |      |            |
| T6252H7-NPP3G-50             | N/A         | Nickel | Polypropylene | 50   | N/A        |
| T6252H7-NPP3G-75T            | N/A         | Nickel | Polypropylene | 50   | N/A        |
| Low Profile, 13.1 mm Black   |             |        |               |      |            |
| T6252H8-NPP3G-50             | N/A         | Nickel | Polypropylene | 50   | N/A        |
| T6252H8-NPP3G-75T            | N/A         | Nickel | Polypropylene | 50   | N/A        |



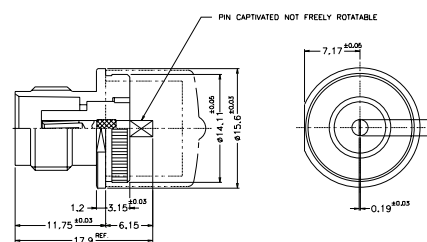
### Straight P.C. Board Mount Receptacle Jack - Four Legs

| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| T6251C1-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |
| T6251C1-NT3G-75 | N/A         | Nickel | Teflon | 75   | N/A        |



### Push Fit Receptacle Jack

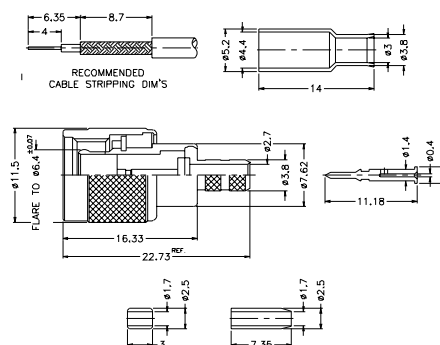
| P.N.                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|--------|--------|------|------------|
| T605100-001-N/NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



## Slimline TNC

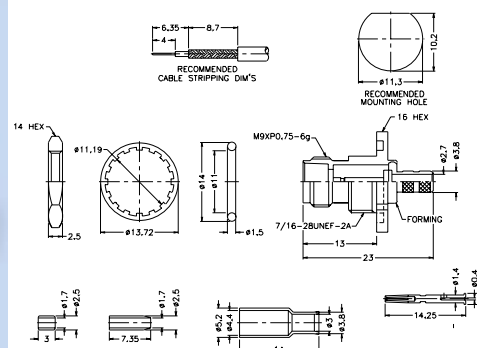
### Straight Crimp Plug

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| MNT1121E1-NT3G-6-75 | 06          | Nickel | Teflon | 75   | 3          |



### Bulkhead Jack Crimp

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| MNT6421E1-NT3G-6-75 | 06          | Nickel | Teflon | 75   | 3          |

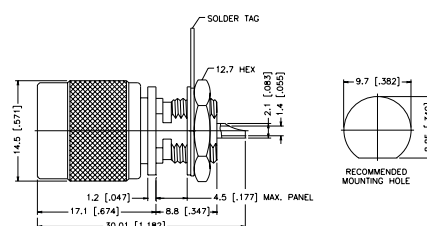


## Bulkhead Receptacle/Solder Cup Terminal

### Bulkhead Receptacle Plug

| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| T1351Q1-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| T1351Q1-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |

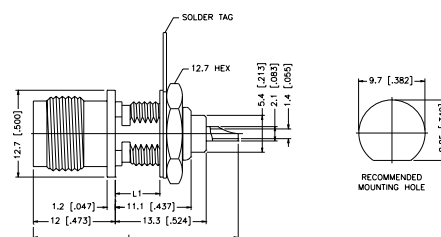
Remark: 4.5 [1.77] Max. panel thickness



## Bulkhead Receptacle/Solder Cup Terminal

### Bulkhead Receptacle Jack

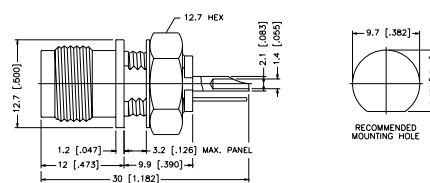
| P.N.                                         | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------------------------------|-------------|--------|--------|------|------------|
| L=3.2 [.126] panel thickness, L=26.7 [1.05]  |             |        |        |      |            |
| T6351B1-ND3G-50                              | N/A         | Nickel | Delrin | 50   | N/A        |
| T6351B1-ND3G-75                              | N/A         | Nickel | Delrin | 75   | N/A        |
| L=6.5 [.256] panel thickness, L=30.0 [1.18]  |             |        |        |      |            |
| T6351B2-ND3G-50                              | N/A         | Nickel | Delrin | 50   | N/A        |
| T6351B2-ND3G-75                              | N/A         | Nickel | Delrin | 75   | N/A        |
| L1=9.5 [.374] panel thickness, L=33.0 [1.30] |             |        |        |      |            |
| T6351B3-ND3G-50                              | N/A         | Nickel | Delrin | 50   | N/A        |
| T6351B3-ND3G-75                              | N/A         | Nickel | Delrin | 75   | N/A        |



### Bulkhead Receptacle Isolated Jack

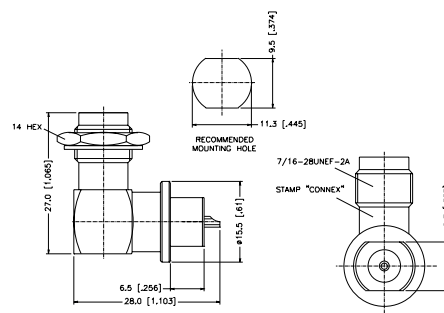
| P.N.              | Cable Group | Plt.   | Ins.  | Imp. | Crimp Tool |
|-------------------|-------------|--------|-------|------|------------|
| T6651B1-NNYL3G-50 | N/A         | Nickel | Nylon | 50   | N/A        |
| T6651B1-NNYL3G-75 | N/A         | Nickel | Nylon | 75   | N/A        |

Remark: Isolated from ground, 3.2 [.126] Max. panel thickness



### Right Angle Bulkhead Receptacle Jack

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| T635200-001-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |

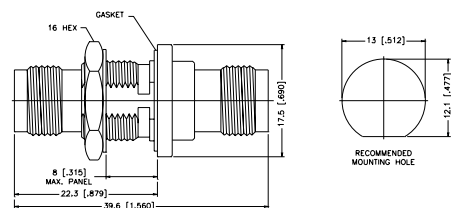


## In-Series Bulkhead Feedthrough Adapters

### Jack-to-Jack Bulkhead Adapter

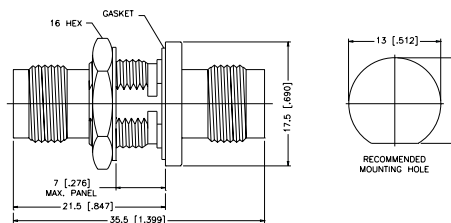
| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| T7471A1-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| T7471A1-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |

Remark: 8.0 mm Max. panel thickness



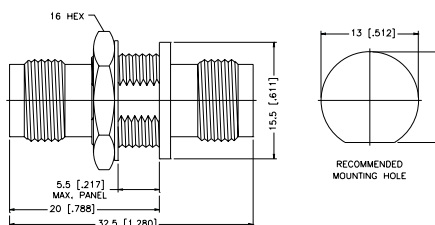
| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| T7471A2-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| T7471A2-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |

Remark: 7.0 mm Max. panel thickness



| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| T7471B1-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| T7471B1-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |

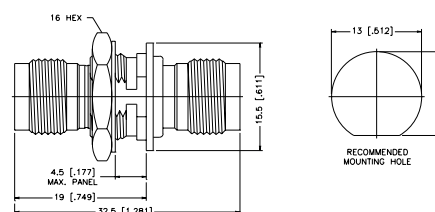
Remark: Without gasket, 5.5 mm Max. panel thickness



### Jack-to-Jack Bulkhead - Isolated Adapter

| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| T7771B1-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| T7771B1-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |

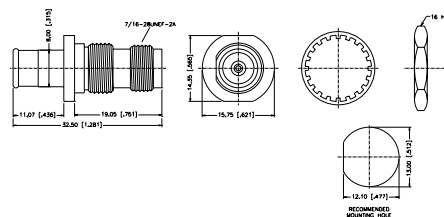
Remark: With isolated bushing, 4.5 mm Max. panel thickness



## In-Series Bulkhead Feedthrough Adapters

### Jack-to-Plug Bulkhead Adapter - Push On

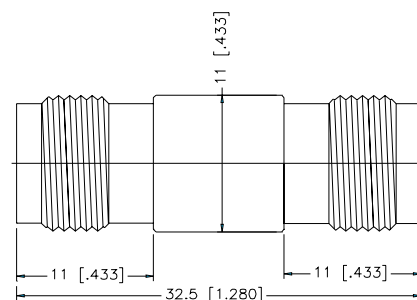
| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| T5071A1-001-NT3G-75 | N/A         | Nickel | Teflon | 75   | N/A        |



## In-Series Adapters

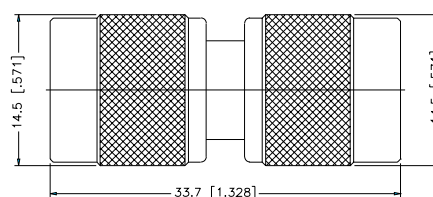
### Jack-to-Jack Adapter

| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| T7071A1-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| T7071A1-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |



### Plug-to-Plug Adapter

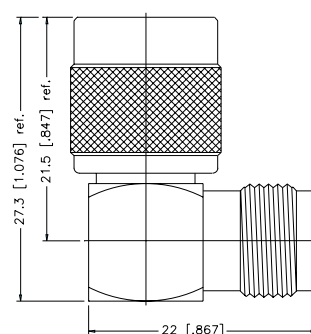
| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| T2071A2-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| T2071A2-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |



## In-Series Adapters

### Right Angle Plug-to-Jack Adapter

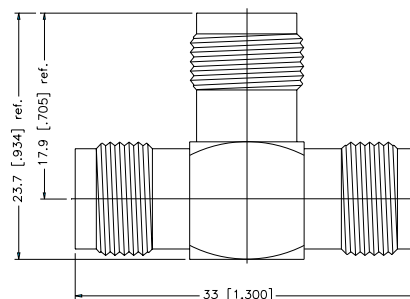
| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| T5072A1-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| T5072A1-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |



## In-Series Tee Adapters

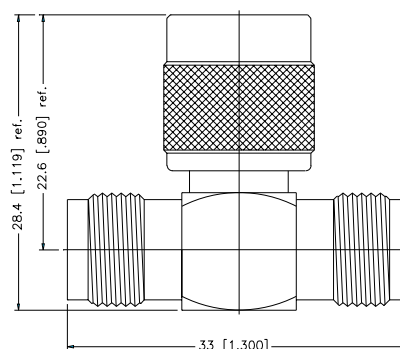
### Tee Adapter - Jack-to-Jack-to-Jack

| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| T8073A1-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| T8073A1-ND3G-75 | N/A         | Nickel | Delrin | 75   | N/A        |



### Tee Adapter - Jack-to-Plug-to-Jack

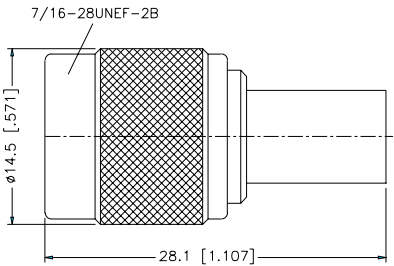
| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| T9073A1-ND3G-50 | N/A         | Nickel | Delrin | 50   | N/A        |
| T9073A1-NT3G-75 | N/A         | Nickel | Teflon | 75   | N/A        |



## Terminators

### Terminator Plug

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| T1004A1-NT3G-50R-1W | N/A         | Nickel | Teflon | 50   | N/A        |
| T1004A1-NT3G-75R-1W | N/A         | Nickel | Teflon | 75   | N/A        |

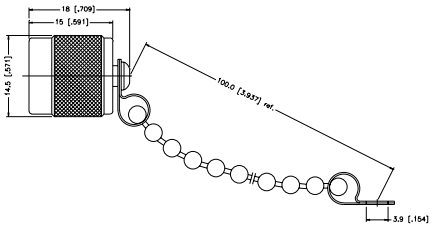


## Accessories

### Male Cap & Chain

| P.N.      | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|-----------|-------------|--------|------|------|------------|
| T1005A1-N | N/A         | Nickel | N/A  | N/A  | N/A        |

Remark: Chain length 100 mm



Note:

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## N Coaxial Connectors

The Amphenol N connectors with screw coupling are fully interchangeable with N connectors made to the MIL-C-39012 specification. Designed for use in all systems where very good R.F. and mechanical performance is critical, whether it be at low or high frequencies.

### Plating for intermodulation problems

Intermodulation problems have long been a serious concern for the telecommunications market. The elimination of all nickel plating on N series connectors has gone a long way to solve this problem. Amphenol offers both silver-plated (no nickel undercoat on body or under 30  $\mu$ " gold center contact) and Nexcote-plated connectors. Nexcote is our trade name for the popular white bronze plating, and is fully compatible with all other commercial tri-alloy platings on the market.

### Electrical Specifications

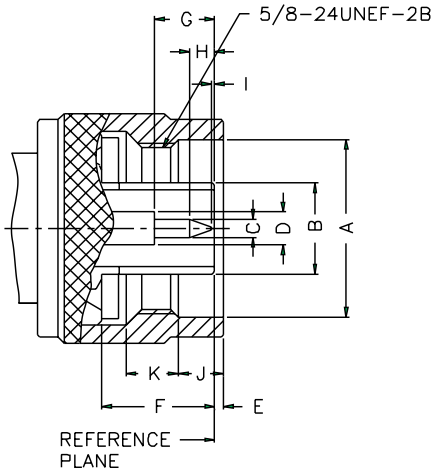
|                                 |                                                           |
|---------------------------------|-----------------------------------------------------------|
| Impedance                       | 50 ohm nominal                                            |
| Frequency                       | 0-11 GHz                                                  |
| Voltage Rating                  | 1500 Volts peak                                           |
| Dielectric Withstanding Voltage | 2500 Volts rms                                            |
| VSWR                            | 1.3 max. 0-11 GHz                                         |
| Contact Resistance              | Center contact 1.0 milliohm<br>Outer contact 0.2 milliohm |
| Insulation Resistance           | 5000 megohms (min)                                        |

Note: 75 ohm series connectors are not intermateable with the 50 ohm series.

### Material Specifications

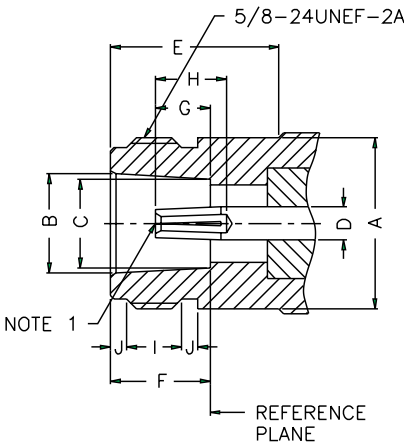
| Parts Name     |        | Material                                      | Finish                |
|----------------|--------|-----------------------------------------------|-----------------------|
| Center Contact | Male   | Brass                                         | Gold or Silver plated |
|                | Female | Phosphor Bronze (nominal) or Beryllium Copper | Gold or Silver plated |
| Metal parts    |        | Brass                                         | Nickel*               |
| Insulators     |        | Teflon                                        | None                  |
| Clamp gaskets  |        | Silicone rubber, Synthetic rubber             | None                  |
| Crimp ferrules |        | Annealed copper                               | Nickel*               |

N Coaxial Connectors  
Interface mating dimensions



Plug

| Letter | Millimeters [Inches] |              |
|--------|----------------------|--------------|
|        | Minimum              | Maximum      |
| A      | 16.00 [.630]         | -            |
| B      | -                    | 8.38 [.330]  |
| C      | 1.60 [.063]          | 1.68 [.066]  |
| D      | 3.00 [.118]          | 3.15 [.124]  |
| E      | 0.41 [.016]          | 1.52 [.060]  |
| F      | 10.11 [.398]         | 10.46 [.412] |
| G      | 5.33 [.210]          | 5.84 [.230]  |
| H      | 3.30 [.130]          | 4.32 [.170]  |
| I      | 0.08 [.003]          | -            |
| J      | 4.01 [.158]          | 4.27 [.168]  |
| K      | 4.50 [.177]          | 5.00 [.197]  |



Jack

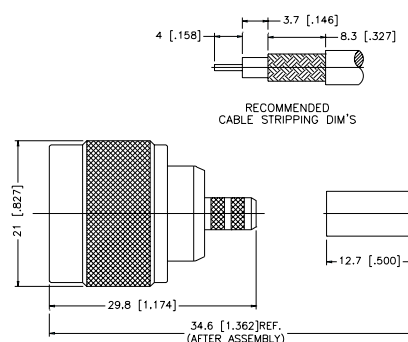
| Letter | Millimeters [Inches] |              |
|--------|----------------------|--------------|
|        | Minimum              | Maximum      |
| A      | -                    | 15.93 [.628] |
| B      | 8.53 [.336]          | 8.74 [.344]  |
| C      | 8.03 [.316]          | 8.13 [.320]  |
| D      | 3.00 [.118]          | 3.15 [.124]  |
| E      | 10.72 [.422]         | -            |
| F      | 9.04 [.356]          | 9.19 [.362]  |
| G      | 4.75 [.187]          | 5.26 [.207]  |
| H      | 5.33 [.210]          | -            |
| I      | 4.37 [.172]          | 5.13 [.202]  |
| J      | 1.19 [.047]          | 1.96 [.077]  |

**All connector bodies, unless otherwise noted, are nickel plated and all contacts are gold plated 3μ".**  
**All insulators are Teflon.**  
**Silver plating is available. Please contact Amphenol for samples and quotes.**  
**All dimensions are in millimeters and [inches].**

## Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Straight Crimp Plug - Captive Contact - Standard Cable

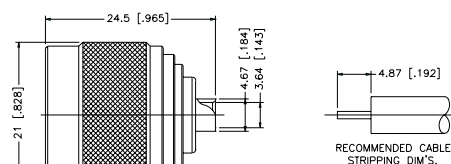
| P.N.                   | Cable Group  | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|--------------|--------|--------|------|------------|
| N1121A1-NT3G-1-50      | 01           | Nickel | Teflon | 50   | 4          |
| N1121A1-NT3G-1A-50     | 01A          | Nickel | Teflon | 50   | *          |
| N1121A1-NT3G-1B-50     | 01B          | Nickel | Teflon | 50   | 4          |
| N1121C1-NT3G-2-50      | 02           | Nickel | Teflon | 50   | 4          |
| N1121A1-NT3G-3-50      | 03           | Nickel | Teflon | 50   | 4          |
| N1121G1-NT3G-5-50      | 05           | Nickel | Teflon | 50   | 1          |
| N1121G1-NT3G-5A-50     | 05A          | Nickel | Teflon | 50   | 1          |
| N1121A1-NT3G-7-50      | 07           | Nickel | Teflon | 50   | 6          |
| N1121A1-NT3G-7A-50     | 07A          | Nickel | Teflon | 50   | 6 + 4      |
| N1121A1-NT3G-7B-50     | 07B          | Nickel | Teflon | 50   | 4          |
| N1121A2-002-NT3G-7C-50 | 07C          | Nickel | Teflon | 50   | 6          |
| N1121A2-NT3G-7D-50     | 07D          | Nickel | Teflon | 50   | 6          |
| N1121A1-NT3G-8-50      | 08           | Nickel | Teflon | 50   | 5          |
| N1121A4-003-NT3G-17-50 | 17           | Nickel | Teflon | 50   | .610 hex   |
| N1121A1-NT3G-1839-50   | Gore 1839    | Nickel | Teflon | 50   | 5          |
| N1121C5-NT3G-LMR500-50 | Times LMR500 | Nickel | Teflon | 50   | .610 hex   |



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### Straight Solder Plug - Semi-Rigid Cable

| P.N.                  | Cable Group | Plt.        | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|-------------|--------|------|------------|
| N1181A1-3G/NT3G-10-50 | 10          | Nickel/Gold | Teflon | 50   | N/A        |
| N1181B1-3G/NT3G-11-50 | 11          | Nickel/Gold | Teflon | 50   | N/A        |
| N1181A2-3G/NT3G-12-50 | 12          | Nickel/Gold | Teflon | 50   | N/A        |

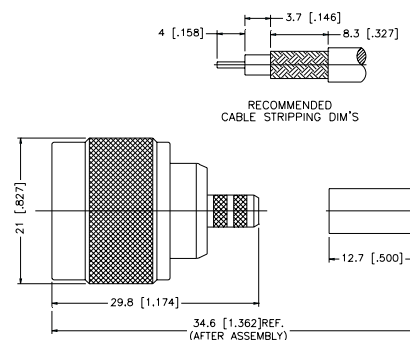


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# Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

## Crimp Plug - Ethernet Cable

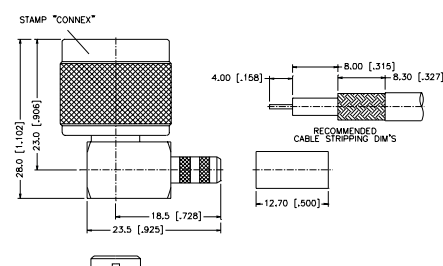
| P.N.                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|--------|--------|------|------------|
| N1121A1-NT3G-9880-50  | 9880        | Nickel | Teflon | 50   | 6          |
| N1121A1-NT3G-89880-50 | 89880       | Nickel | Teflon | 50   | 6          |



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## Right Angle Crimp Plugs - Standard Cable

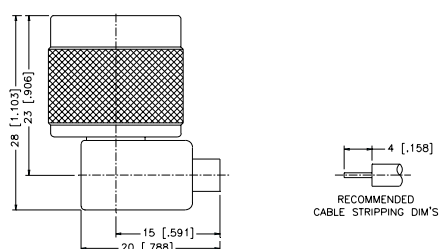
| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| N1112B1-001-NT3G-1-50  | 01          | Nickel | Teflon | 50   | 3 or 4     |
| N1112B1-001-NT3G-1A-50 | 01A         | Nickel | Teflon | 50   | 3 or 4     |
| N1112B1-NT3G-1B-50     | 01B         | Nickel | Teflon | 50   | 3 or 4     |
| N1112A1-NT3G-3-50      | 03          | Nickel | Teflon | 50   | 4          |
| N1112E2-NT3G-5-50      | 05          | Nickel | Teflon | 50   | 3          |
| N1112E1-NT3G-5A-50     | 05A         | Nickel | Teflon | 50   | 1 or 2     |
| N1112B2-002-NT3G-7-50  | 07          | Nickel | Teflon | 50   | 6          |
| N1112B2-001-NT3G-7A-50 | 07A         | Nickel | Teflon | 50   | 6          |
| N1112B2-NT3G-7B-50     | 07B         | Nickel | Teflon | 50   | 4          |
| N1112B4-NT3G-17-50     | 17          | Nickel | Teflon | 50   | .610 hex   |
| N1112B4-NT3G-LMR500-50 | LMR500      | Nickel | Teflon | 50   | .600 hex   |



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## Right Angle Solder Plug - Semi-Rigid Cable

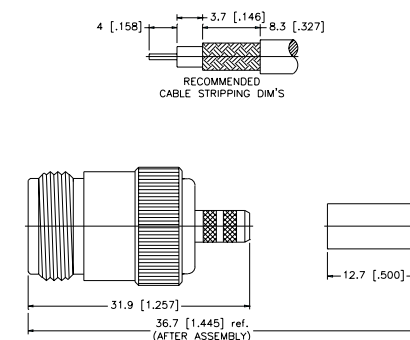
| P.N.               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------|-------------|--------|--------|------|------------|
| N1182A1-NT3G-10-50 | 10          | Nickel | Teflon | 50   | N/A        |
| N1182A1-NT3G-11-50 | 11          | Nickel | Teflon | 50   | N/A        |
| N1182A1-NT3G-12-50 | 12          | Nickel | Teflon | 50   | N/A        |



Assembly Instruction D - page 226

## Crimp Jack - Captive Contact - Standard Cable

| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| N6121A1-NT3G-1-50      | 01          | Nickel | Teflon | 50   | 4          |
| N6121A1-NT3G-1A-50     | 01A         | Nickel | Teflon | 50   | 4          |
| N6121A1-NT3G-1B-50     | 01B         | Nickel | Teflon | 50   | 4          |
| N6121A1-NT3G-3-50      | 03          | Nickel | Teflon | 50   | 4          |
| N6121G1-NT3G-5-50      | 05          | Nickel | Teflon | 50   | 1          |
| N6121G1-NT3G-5A-50     | 05A         | Nickel | Teflon | 50   | 2 + 1      |
| N6121A1-NT3G-7-50      | 07          | Nickel | Teflon | 50   | 6          |
| N6121A1-NT3G-7A-50     | 07A         | Nickel | Teflon | 50   | 6 + 4      |
| N6121A1-NT3G-7B-50     | 07B         | Nickel | Teflon | 50   | 4          |
| N6121A2-NT3G-7C-50     | 07C         | Nickel | Teflon | 50   | 6          |
| N6121A4-001-NT3G-17-50 | 17          | Nickel | Teflon | 50   | .610 hex   |
| N6121C5-NT3G-LMR500-50 | LMR500      | Nickel | Teflon | 50   | .600 hex   |

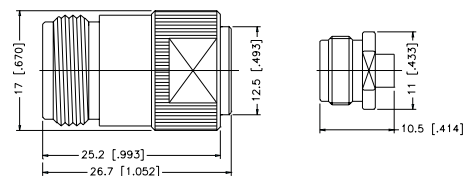
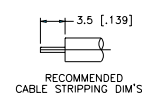


Assembly Instruction J - page 232

# Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

## Solder Jack - Semi-Rigid Cable

| P.N.                  | Cable Group | Plt.        | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|-------------|--------|------|------------|
| N6181A1-N/3GT3G-10-50 | 10          | Nickel/Gold | Teflon | 50   | N/A        |
| N6181A1-N/3GT3G-11-50 | 11          | Nickel/Gold | Teflon | 50   | N/A        |

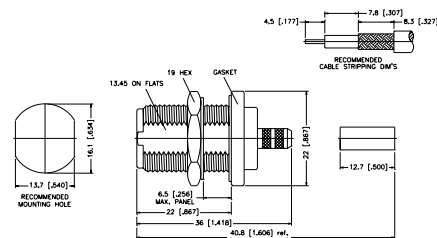


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## Bulkhead Crimp Jack - Captive Contact - Standard Cable

| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| N6421A1-NT3G-1-50      | 01          | Nickel | Teflon | 50   | 3 or 4     |
| N6421A1-NT3G-1A-50     | 01A         | Nickel | Teflon | 50   | 4          |
| N6421A1-NT3G-1B-50     | 01B         | Nickel | Teflon | 50   | 4          |
| N6421C1-001-NT3G-2-50  | 02          | Nickel | Teflon | 50   | 4          |
| N6421C1-001-NT3G-3-50  | 03          | Nickel | Teflon | 50   | 4          |
| N6421G1-NT3G-5-50      | 05          | Nickel | Teflon | 50   | 1 or 2     |
| N6311A1-NT3G-5-50      | 05          | Nickel | Teflon | 50   | 1          |
| Front Mount            |             |        |        |      |            |
| N6421G1-001-NT3G-5A-50 | 05A         | Nickel | Teflon | 50   | 2          |
| N6421A1-NT3G-7-50      | 07          | Nickel | Teflon | 50   | 6 + 1      |
| N6421A1-NT3G-7A-50     | 07A         | Nickel | Teflon | 50   | 6 + 1      |
| N6421A1-NT3G-7B-50     | 07B         | Nickel | Teflon | 50   | 4          |
| N6421A2-NT3G-7C-50     | 07C         | Nickel | Teflon | 50   | 6          |
| N6421A4-NT3G-17-50     | 17          | Nickel | Teflon | 50   | .610 hex   |
| N6421C5-NT3G-LMR500-50 | LMR500      | Nickel | Teflon | 50   | .600 hex   |

Remark: Rear Mount, except where indicated

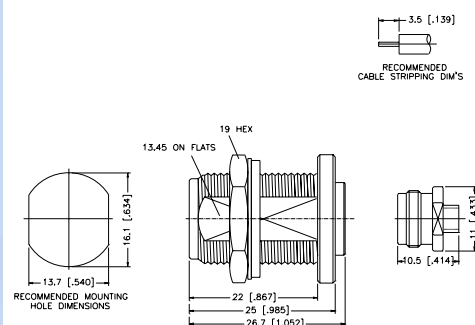


Assembly Instruction J - page 232

## Bulkhead Solder Jack - Semi-Rigid Cable

| P.N.                   | Cable Group | Plt.        | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|-------------|--------|------|------------|
| N6481A2-001-NT3G-10-50 | 10          | Nickel      | Teflon | 50   | N/A        |
| N6381A1-N/3GT3G-10-50  | 10          | Nickel/Gold | Teflon | 50   | N/A        |
| Front Mount            |             |             |        |      |            |
| N6481A2-NT3G-11-50     | 11          | Nickel      | Teflon | 50   | N/A        |
| N6381A1-N/3GT3G-11-50  | 11          | Nickel/Gold | Teflon | 50   | N/A        |
| Front Mount            |             |             |        |      |            |
| N6481A2-NT3G-12-50     | 12          | Nickel      | Teflon | 50   | N/A        |

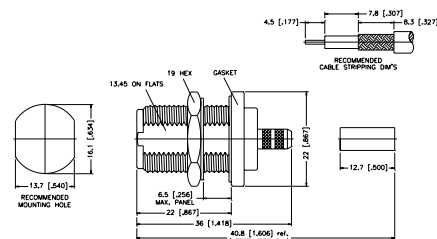
Remark: Rear Mount, except where indicated



Assembly Instruction G - page 229

## Bulkhead Crimp Jack - Ethernet Cable

| P.N.                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|--------|--------|------|------------|
| N6421A1-NT3G-9880-50  | 9880        | Nickel | Teflon | 50   | 6          |
| N6421A1-NT3G-89880-50 | 89880       | Nickel | Teflon | 50   | 6          |

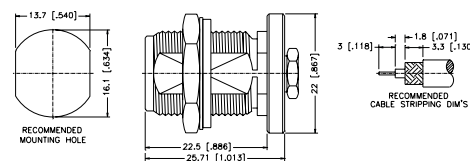


Crimp On  
Assembly Instruction J - page 232

## Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Bulkhead Clamp Jack - Rear Mount - Miniature Cable

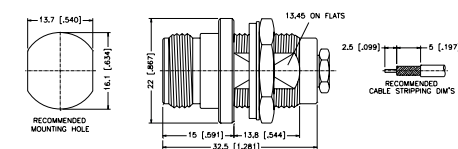
| P.N.                                            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------------------------------------|-------------|--------|--------|------|------------|
| N6441H1-001-NT30G-5-50<br>Rear Mount Flatwasher | 05          | Nickel | Teflon | 50   | N/A        |
| N6441H1-002-NT30G-5-50<br>Rear Mount Starwasher | 05          | Nickel | Teflon | 50   | N/A        |



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### Bulkhead Clamp Jack - Front Mount - Miniature Cable

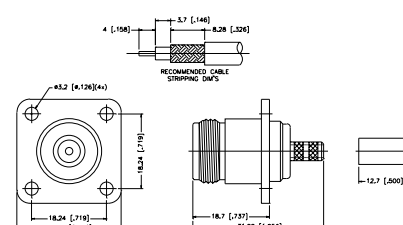
| P.N.                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------|--------|--------|------|------------|
| N6341A1-001-NT3G-5-50 | 05          | Nickel | Teflon | 50   | N/A        |



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### Straight Crimp Panel Jack - Captive Contact - Flexible Cable

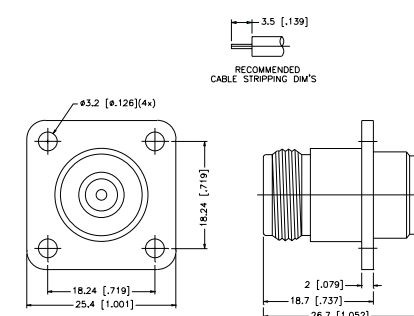
| P.N.               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------|-------------|--------|--------|------|------------|
| N6521A1-NT3G-1-50  | 01          | Nickel | Teflon | 50   | 4          |
| N6521A1-NT3G-1A-50 | 01A         | Nickel | Teflon | 50   | 4          |
| N6521A1-NT3G-1B-50 | 01B         | Nickel | Teflon | 50   | 4          |
| N6521G1-NT3G-5-50  | 05          | Nickel | Teflon | 50   | 1 or 2     |
| N6521G1-NT3G-5A-50 | 05A         | Nickel | Teflon | 50   | 2          |
| N6521A1-NT3G-7-50  | 07          | Nickel | Teflon | 50   | 4          |
| N6521A1-NT3G-7A-50 | 07A         | Nickel | Teflon | 50   | 6          |



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### Straight Solder Panel Jack - Semi-Rigid Cable

| P.N.               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------|-------------|--------|--------|------|------------|
| N6581A1-NT3G-10-50 | 10          | Nickel | Teflon | 50   | N/A        |
| N6581A1-NT3G-11-50 | 11          | Nickel | Teflon | 50   | N/A        |

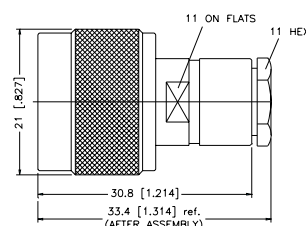
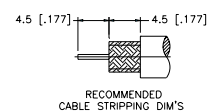


Assembly Instruction E - page 227

## Clamp Attachment for Flexible Cable

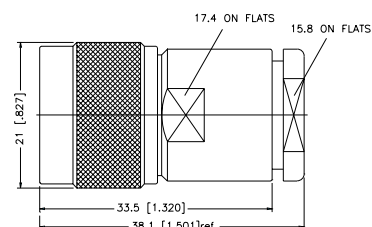
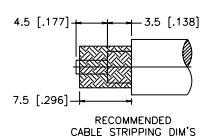
### Straight Solder Plug - Captive Contact - Standard Cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| N1141A1-NT3G-1-50 | 01          | Nickel | Teflon | 50   | N/A        |
| N1141A1-NT3G-3-50 | 03          | Nickel | Teflon | 50   | N/A        |



Assembly Instruction M - page 235

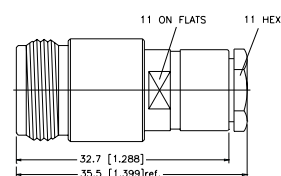
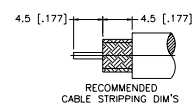
| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| N1141A2-NT3G-7-50 | 07          | Nickel | Teflon | 50   | N/A        |



Assembly Instruction M - page 235

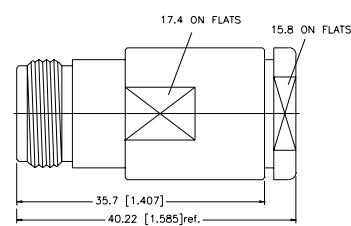
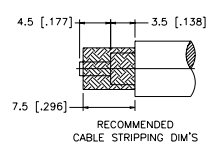
### Straight Solder Jack - Captive Contact - Standard Cable

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| N6141A1-NT3G-1-50 | 01          | Nickel | Teflon | 50   | N/A        |
| N6141A1-NT3G-3-50 | 03          | Nickel | Teflon | 50   | N/A        |



Assembly Instruction M - page 235

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| N6141A2-NT3G-7-50 | 07          | Nickel | Teflon | 50   | N/A        |

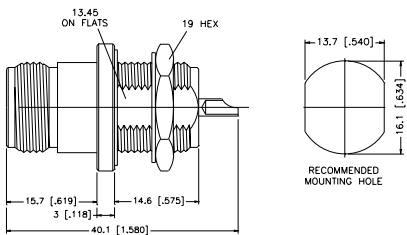


Assembly Instruction M - page 235

Bulkhead Mount Solder Receptacles

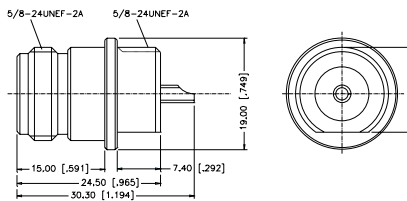
Bulkhead Receptacle - Front Mount

| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| N6351A1-NT3G-50      | N/A         | Nickel | Teflon | 50   | N/A        |
| Remark: Non-hermetic |             |        |        |      |            |



Bulkhead Receptacle - Front Mount

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| N6351B1-005-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



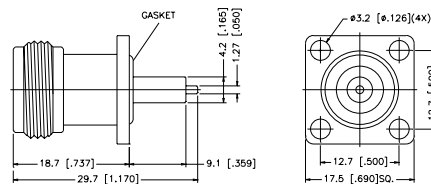
## Panel Mount/Solder Receptacles

### Panel Receptacle Jack - Exposed TFE Type

| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| N6551E1-NT3G-50      | N/A         | Nickel | Teflon | 50   | N/A        |
| N6551E1-015-NT20G-50 | N/A         | Nickel | Teflon | 50   | N/A        |

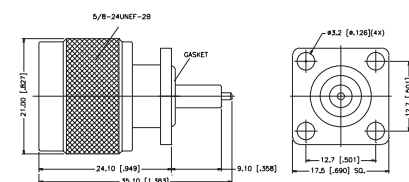
Remark: With gasket.

Extended Teflon insulation available in various lengths.  
Contact Amphenol for part number and availability.



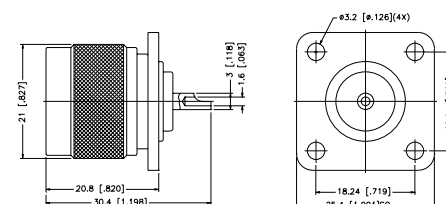
### Panel Receptacle Plug - Exposed TFE Type

| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| N1551E1-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



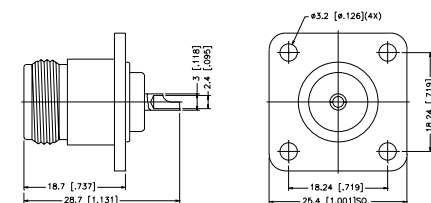
### Panel Receptacle Plug - Solder Cup Terminal

| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| N1551A1-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



### Panel Receptacle Jack - Solder Cup terminal

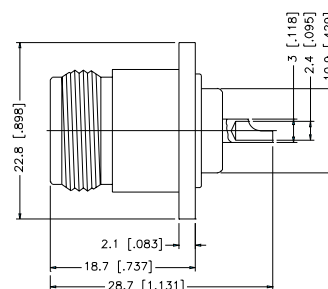
| P.N.                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|--------|--------|------|------------|
| N6551A1-NT3G-50        | N/A         | Nickel | Teflon | 50   | N/A        |
| N6551A1-017-NT3G-50    | N/A         | Nickel | Teflon | 50   | N/A        |
| Captive Center Contact |             |        |        |      |            |
| N6551A1-015-NT3G-50    | N/A         | Nickel | Teflon | 50   | N/A        |
| Flush Rear             |             |        |        |      |            |



## Panel Mount/Solder Receptacles

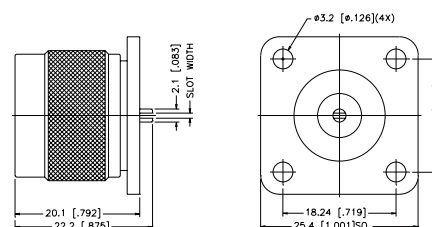
### Panel Receptacle Jack - Solder Cup Terminal - Round Flange

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| N6551A1-013-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



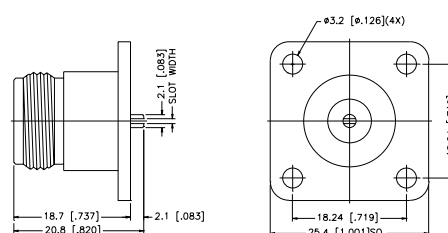
### Panel Receptacle Plug - Slot Terminal

| P.N.                                                              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------------------------------------------------------|-------------|--------|--------|------|------------|
| N1551C1-NT3G-0.3-50<br>Slot width: 0.3 mm, 0.5 mm, 0.7 mm, 0.9 mm | N/A         | Nickel | Teflon | 50   | N/A        |
| N1551M1-001-NT3G-50<br>Flat Tab                                   | N/A         | Nickel | Teflon | 50   | N/A        |



### Panel Receptacle Jack - Slot Terminal

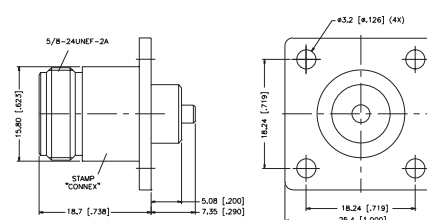
| P.N.                                                              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------------------------------------------------------|-------------|--------|--------|------|------------|
| N6551C1-NT3G-0.3-50<br>Slot width: 0.3 mm, 0.5 mm, 0.7 mm, 0.9 mm | N/A         | Nickel | Teflon | 50   | N/A        |
| N6551E3-001-NT3G-50<br>2-Hole Flange Blunt Post                   | N/A         | Nickel | Teflon | 50   | N/A        |
| N6551C1-002-NT3G-50<br>.5 Flange Slotted Post                     | N/A         | Nickel | Teflon | 50   | N/A        |
| N6551C1-003-NT3G-50<br>.118 Diameter Contact Slotted Post         | N/A         | Nickel | Teflon | 50   | N/A        |
| N6551C2-001-NT3G-50<br>.690 Flange Slotted Post                   | N/A         | Nickel | Teflon | 50   | N/A        |



### Panel Receptacle Jack - Extended Teflon

| P.N.             | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------|-------------|--------|--------|------|------------|
| N6551A1-004-NT3G | N/A         | Nickel | Teflon | 50   | N/A        |

Remark: Contact Amphenol for various lengths availability



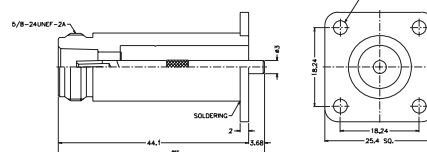
## Panel Mount/Solder Receptacles

### Panel Receptacle Jack - Extended Body

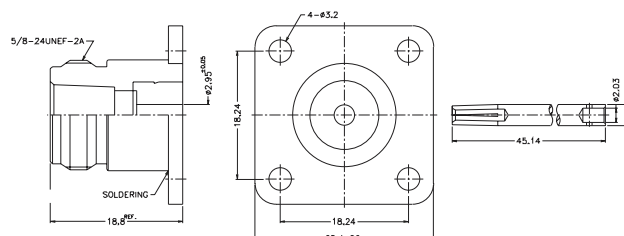
| P.N.                                   | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------------------------|-------------|--------|--------|------|------------|
| N6551A1-012-NT3G-50<br>Blunt Post      | N/A         | Nickel | Teflon | 50   | N/A        |
| N6551A1-019-NT3G-50<br>Extended Teflon | N/A         | Nickel | Teflon | 50   | N/A        |



N6551A1-012-NT3G-50

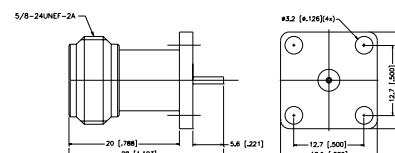


N6551A1-019-NT3G-50



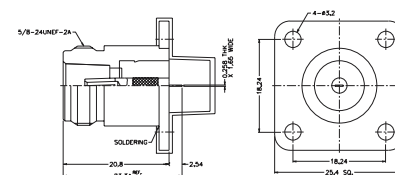
### Panel Receptacle Jack - Extended body - Post Contact

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| N6551E1-020-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



### Panel receptacle Jack - Tab Post

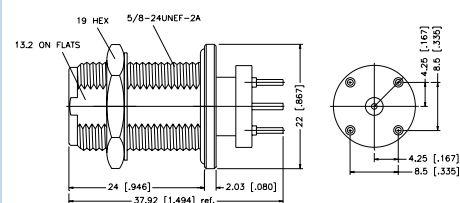
| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| N6551M1-001-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



## Printed Circuit Board Connectors

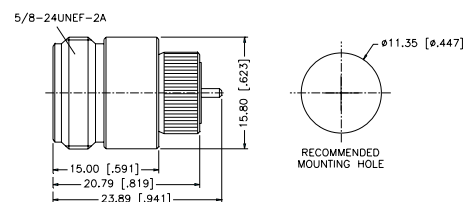
### Straight P.C. Board Receptacle - Four Legs

| P.N.                                          | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------------------------------|-------------|--------|--------|------|------------|
| N645100-003-T/NT3G-50<br>PCB Legs, Bright Tin | N/A         | Nickel | Teflon | 50   | N/A        |



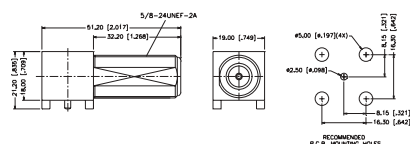
### Push Fit Receptacle

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| N6051A1-001-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



### Right Angle P.C. Board Receptacle

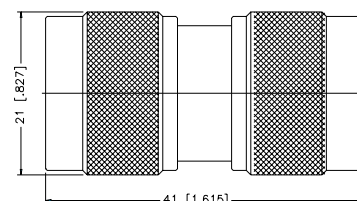
| P.N.                 | Cable Group | Plt.     | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|----------|--------|------|------------|
| N625200-001-TT30G-50 | N/A         | Tin Lead | Teflon | 50   | N/A        |



## In-Series Adapters

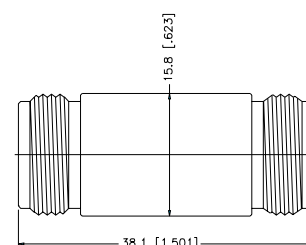
### Plug-to-Plug Adapter

| P.N.                                                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------------------------------------|-------------|--------|--------|------|------------|
| N2071A1-NT3G-50                                      | N/A         | Nickel | Teflon | 50   | N/A        |
| NM-RNM-NT3G-50<br>N Plug Reverse Polarized to N Jack | N/A         | Nickel | Teflon | 50   | N/A        |
| NF-RNF-NT3G-50<br>N Jack Reverse Polarized to N Plug | N/A         | Nickel | Teflon | 50   | N/A        |



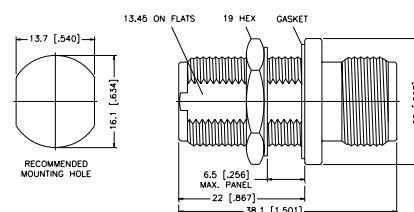
### Jack-to-Jack Adapter

| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| N7071A1-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



### Jack-to-Jack Bulkhead Adapter

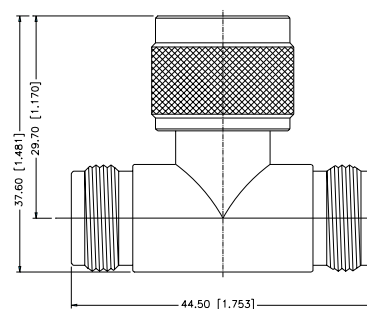
| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| N7471A1-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



## In-Series Tee Adapters

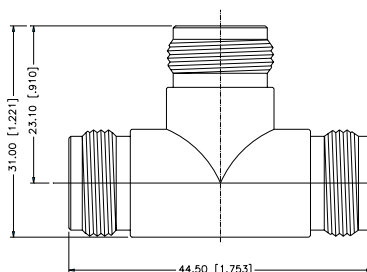
### Tee Adapter - Jack-to-Plug-to-Jack

| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| N9073A1-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



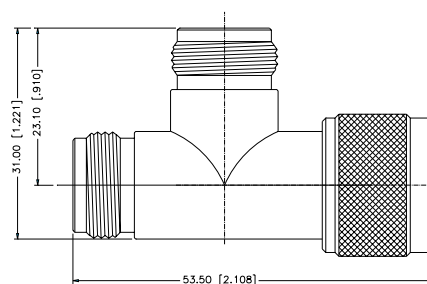
### Tee Adapter - Jack-to-Jack-to-Jack

| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| N8073A1-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



### Tee Adapter - Plug-to-Jack-to-Jack

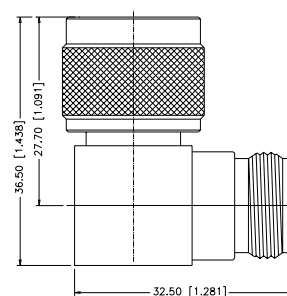
| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| N9073A1-001-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



## In-Series Angle Adapters

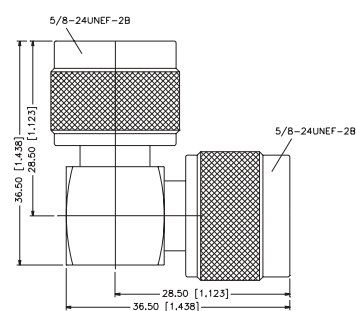
### Angle Adapter - Plug-to-Jack

| P.N.             | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------|-------------|--------|--------|------|------------|
| N5072A1-NT3G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| N5072A2-NT3G-50  | N/A         | Nickel | Teflon | 50   | N/A        |
| High Performance |             |        |        |      |            |



### Angle Adapter - Plug-to-Plug

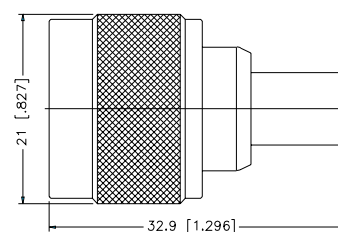
| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| N2072A1-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



## Terminators

### Terminator Plug

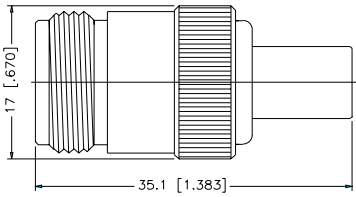
| P.N.                     | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------------|-------------|--------|--------|------|------------|
| N1004A1-NT3G-50R-1W      | N/A         | Nickel | Teflon | 50   | N/A        |
| N1004A2-NT3G-50R-0.01-1W | N/A         | Nickel | Teflon | 50   | N/A        |
| High Frequency           |             |        |        |      |            |



Terminators

Terminator Jack

| P.N.                     | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------------|-------------|--------|--------|------|------------|
| N6004A1-NT3G-50R-0.05-1W | N/A         | Nickel | Teflon | 50   | N/A        |

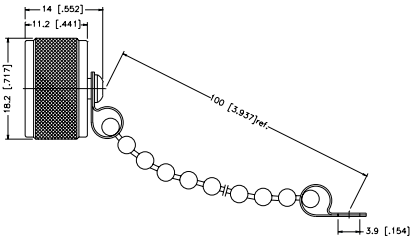


Accessories

Male Cap & Chain

| P.N.      | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|-----------|-------------|--------|------|------|------------|
| U1005A1-N | N/A         | Nickel | N/A  | N/A  | N/A        |

Remark: Chain length 100 [3.94]



Amphenol 7/16 series connectors provide superior performance for both return loss and intermodulation distortion. These connectors are ideal for those applications where vibration resistance and environmental protection is important, such as radio base stations and broadcast communication applications.

Connectors are 50 ohm impedance with standard M 29 x 1.5 metric threaded coupling. Designed to conform to the DIN standards, featuring excellent power-handling capability and low VSWR up to 7.5 GHz.

#### Electrical Specifications

|                                 |                                                                               |
|---------------------------------|-------------------------------------------------------------------------------|
| Impedance                       | 50 ohm                                                                        |
| Frequency range                 | 0-7,5 GHz                                                                     |
| Working Voltage                 | 2700 VRMS maximum at sea level                                                |
| Dielectric Withstanding Voltage | 4000 VRSM minimum at sea level                                                |
| VSWR                            | Straight: 1.3 maximum    Right Angel: 1.5 maximum                             |
| Contact resistance              | Center Contact: 0.4 milliohms maximum<br>Outer Contact: 0.2 milliohms maximum |
| Insulation resistance           | 5000 Megohms minimum                                                          |

#### Material Specifications

| Parts Name       | Material           | Finish                        |
|------------------|--------------------|-------------------------------|
| Body metal parts | Brass per QQ-B-626 | Silver                        |
| Contacts         | Male               | Brass per QQ-B-626            |
|                  | Female             | Beryllium copper per QQ-C-530 |
| Insulator        | PTFE               | None                          |
| Gasket           | Silicone rubber    | None                          |
| Crimp ferrule    | Annealed copper    | Silver                        |

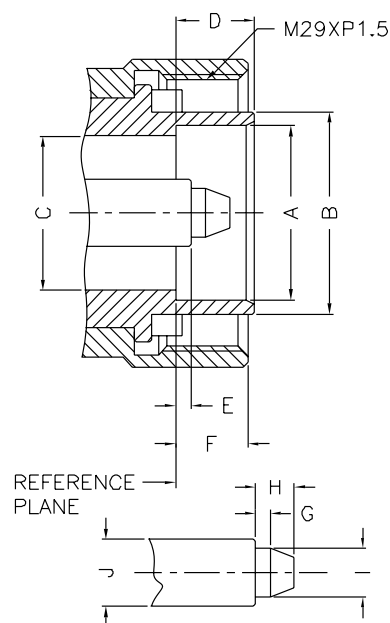
Note: Other materials/finishes are available on request.

#### Mechanical Specifications

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| Coupling nut retention | 225 lbs. maximum                                             |
| Coupling proof torque  | 310 in-lbs. maximum                                          |
| Contact retention      | 45 lbs. minimum                                              |
| Durability (mating)    | 500 cyles minimum (for beryllium copper female contact only) |

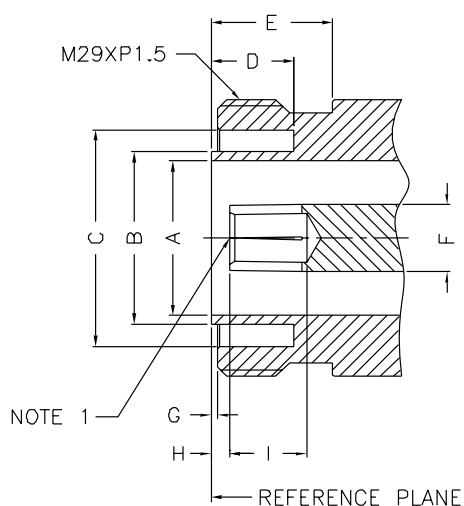
## 7/16 Coaxial Connectors

## Interface mating dimensions



## Plug

| Letter | Millimeters [Inches] |              |
|--------|----------------------|--------------|
|        | Minimum              | Maximum      |
| A      | 18.03 [.710]         | 18.21 [.717] |
| B      | 20.60 [.812]         | 21.40 [.843] |
| C      | 15.85 [.624]         | 16.25 [.640] |
| D      | 7.00 [.276]          | 8.00 [.315]  |
| E      | 1.47 [.085]          | 1.77 [.070]  |
| F      | 7.00 [.276]          | 9.00 [.355]  |
| G      | 1.40 [.055]          | 1.60 [.063]  |
| H      | -                    | 4.50 [.177]  |
| I      | 4.96 [.195]          | 5.04 [.199]  |
| J      | 6.97 [.275]          | 7.03 [.277]  |



## Jack

| Letter | Millimeters [Inches] |              |
|--------|----------------------|--------------|
|        | Minimum              | Maximum      |
| A      | 15.85 [.624]         | 16.25 [.640] |
| B      | -                    | 18.00 [.709] |
| C      | 22.10 [.871]         | 22.90 [.902] |
| D      | 8.10 [.319]          | -            |
| E      | 10.00 [.394]         | -            |
| F      | 6.97 [.275]          | 7.03 [.277]  |
| G      | 0.50 [.020]          | 0.70 [.028]  |
| H      | 1.77 [.070]          | 2.07 [.082]  |
| I      | 5.00 [.197]          | -            |

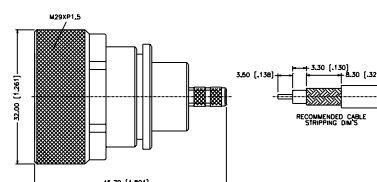
All connector bodies and center contacts, unless otherwise noted, are silver-plated with no nickel undercoat.

All dimensions are shown in millimeters [inches].

## Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Straight Crimp Plug - Flexible Cable

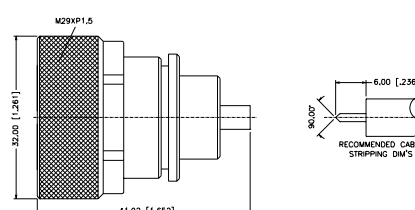
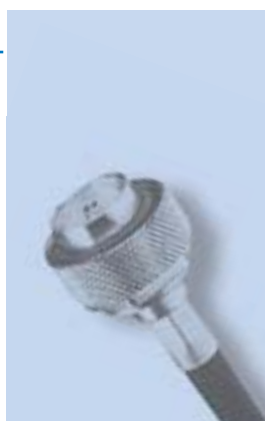
| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| 7161111A1-SATS-1-50  | 01          | Silver | Teflon | 50   | 3          |
| 7161111A1-SATS-1A-50 | 01A         | Silver | Teflon | 50   | 3          |
| 7161111A1-SATS-5-50  | 05          | Silver | Teflon | 50   | 2          |
| 7161111A1-SATS-7-50  | 07          | Silver | Teflon | 50   | 6          |
| 7161111A1-SATS-7A-50 | 07A         | Silver | Teflon | 50   | 6          |
| 7161111A2-SATS-7C-50 | 07C         | Silver | Teflon | 50   | 6          |
| 7161111A2-SATS-17-50 | 17          | Silver | Teflon | 50   | .610HEX    |



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### Straight Solder Plug - Semi-Rigid Cable

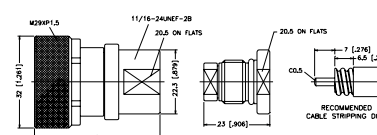
| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| 7161181A1-SATS-10-50 | 10          | Silver | Teflon | 50   | N/A        |
| 7161181B1-SATS-11-50 | 11          | Silver | Teflon | 50   | N/A        |
| 7161181A1-SATS-12-50 | 12          | Silver | Teflon | 50   | N/A        |



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### Straight Clamp Plug - Super Flex Cable

| P.N.                  | Cable Group    | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|----------------|--------|--------|------|------------|
| 7161141A1-SATS-3/8-50 | 3/8" Superflex | Silver | Teflon | 50   | N/A        |
| 7161141A1-SATS-1/2-50 | 1/2" Superflex | Silver | Teflon | 50   | N/A        |
| 7161141A1-SATS-7/8-50 | 7/8" Helical   | Silver | Teflon | 50   | N/A        |

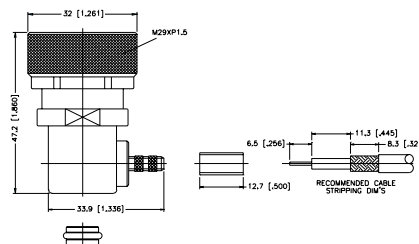


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## Angle Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Right Angle Crimp Plug - Flexible Cable

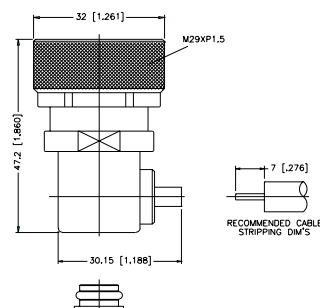
| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| 7161142A1-SATS-1-50  | 01          | Silver | Teflon | 50   | 3          |
| 7161142A1-SATS-1A-50 | 01A         | Silver | Teflon | 50   | 3          |
| 7161112A1-SATS-7-50  | 07          | Silver | Teflon | 50   | 6          |
| 7161112A1-SATS-7A-50 | 07A         | Silver | Teflon | 50   | 6          |
| 7161112A1-SATS-7C-50 | 07C         | Silver | Teflon | 50   | 6          |
| 7161112A1-SATS-17-50 | 17          | Silver | Teflon | 50   | .610HEX    |



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### Right Angle Solder Plug - Semi-Rigid Cable

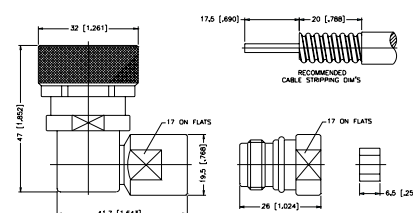
| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| 7161182A1-SATS-10-50 | 10          | Silver | Teflon | 50   | N/A        |
| 7161182A2-SATS-11-50 | 11          | Silver | Teflon | 50   | N/A        |
| 7161182A1-SATS-12-50 | 12          | Silver | Teflon | 50   | N/A        |



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### Right Angle Clamp Plug - Super Flex Cable

| P.N.                   | Cable Group            | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|------------------------|--------|--------|------|------------|
| 7161142A1-SATS-3/8-50  | 3/8"                   | Silver | Teflon | 50   | N/A        |
| 7161142A1-SATS-1/2-50  | Superflex 1/2"         | Silver | Teflon | 50   | N/A        |
| 7161142A1-SATS-7/8A-50 | Superflex 7/8" Helical | Silver | Teflon | 50   | N/A        |

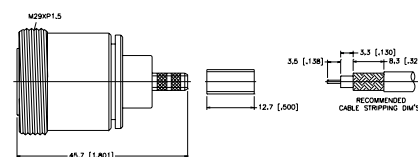


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## Jack Crimp Attachment for Flexible cable and Direct Solder for Semi-Rigid Cable

### Straight Crimp Jack - Flexible Cable

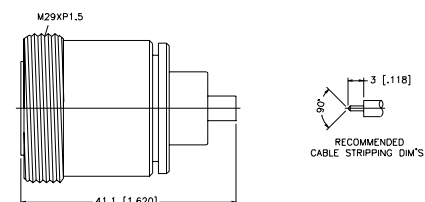
| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| 7166111A1-SATS-1-50  | 01          | Silver | Teflon | 50   | 3          |
| 7166111A1-SATS-1A-50 | 01A         | Silver | Teflon | 50   | 3          |
| 7166111A1-SATS-7-50  | 07          | Silver | Teflon | 50   | 6          |
| 7166111A1-SATS-7A-50 | 07A         | Silver | Teflon | 50   | 6          |
| 7166111A2-SATS-7C-50 | 07C         | Silver | Teflon | 50   | 6          |
| 7166111A2-SATS-17-50 | 17          | Silver | Teflon | 50   | .610HEX    |



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### Straight Solder Jacks - Semi-Rigid Cable

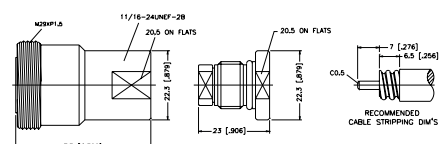
| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| 7166181A1-SATS-10-50 | 10          | Silver | Teflon | 50   | N/A        |
| 7166181A1-SATS-11-50 | 11          | Silver | Teflon | 50   | N/A        |
| 7166181A1-SATS-12-50 | 12          | Silver | Teflon | 50   | N/A        |



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### Straight Clamp Jack - Super Flex Cable

| P.N.                   | Cable Group    | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------|----------------|--------|--------|------|------------|
| 7166141A1-SATS-3/8-50  | 3/8" Superflex | Silver | Teflon | 50   | N/A        |
| 7166141A1-SATS-1/2-50  | 1/2" Superflex | Silver | Teflon | 50   | N/A        |
| 7166141A1-SATS-7/8A-50 | 7/8" Helical   | Silver | Teflon | 50   | N/A        |



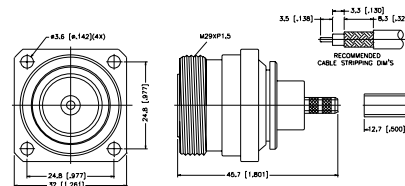
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# Panel Jack Crimp Attachment for Flexible Cable and Direct solder for Semi-Rigid Cable

## Panel Crimp Jack - Flexible Cable

| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| 7166511A1-SATS-1-50  | 01          | Silver | Teflon | 50   | 3          |
| 7166511A1-SATS-1A-50 | 01A         | Silver | Teflon | 50   | 3          |
| 7166511A1-SATS-7-50  | 07          | Silver | Teflon | 50   | 6          |
| 7166511A1-SATS-7A-50 | 07A         | Silver | Teflon | 50   | 6          |
| 7166511A2-SATS-7C-50 | 07C         | Silver | Teflon | 50   | 6          |
| 7166511A2-SATS-17-50 | 17          | Silver | Teflon | 50   | .610HEX    |

Remark: for O-ring gasket, add -10 to part number



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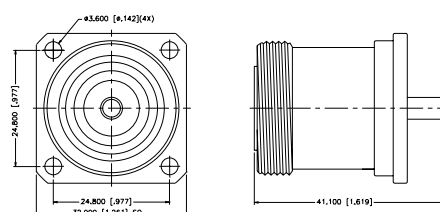
## Panel Solder Jack - Semi-Rigid Cable

| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| 7166581A1-SATS-10-50 | 10          | Silver | Teflon | 50   | N/A        |
| 7166581B1-SATS-11-50 | 11          | Silver | Teflon | 50   | N/A        |
| 7166581A1-SATS-12-50 | 12          | Silver | Teflon | 50   | N/A        |

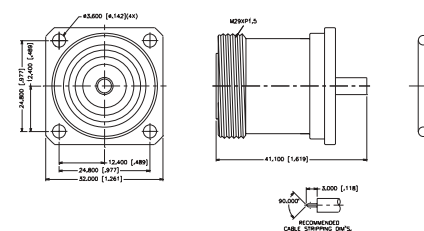
Remark: for O-ring gasket, add -10 to part number



7166581A1-SATS-10-50



7166581A1-SATS-10-50-10

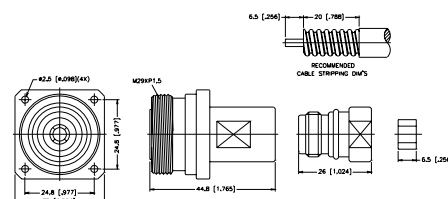


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## Panel Clamp Jack - Super Flex Cable

| P.N.                  | Cable Group       | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|-------------------|--------|--------|------|------------|
| 7166541A1-SATS-3/8-50 | 3/8"              | Silver | Teflon | 50   | N/A        |
| 7166541A1-SATS-1/2-50 | Superflex<br>1/2" | Silver | Teflon | 50   | N/A        |

Remark: for O-ring gasket, add -10 to part number

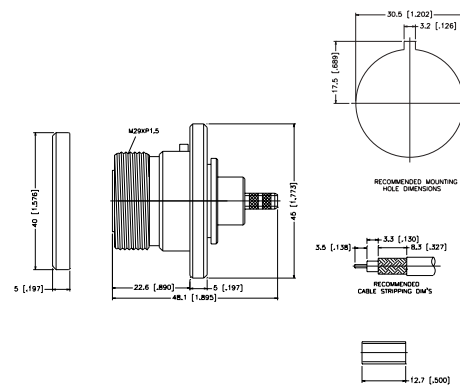


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# Bulkhead Jack Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

## Bulkhead Crimp Jack - Flexible Cable

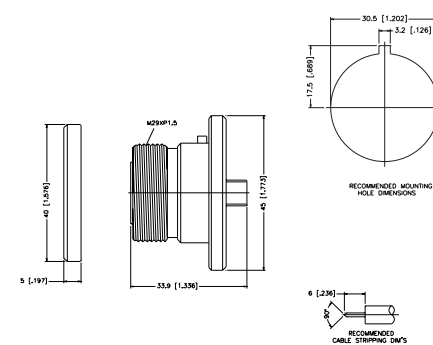
| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| 7166411A1-SATS-1-50  | 01          | Silver | Teflon | 50   | 3          |
| 7166411B2-SATS-1A-50 | 01A         | Silver | Teflon | 50   | 3          |
| 7166411B1-SATS-7-50  | 07          | Silver | Teflon | 50   | 6          |
| 7166411B1-SATS-7A-50 | 07A         | Silver | Teflon | 50   | 6          |
| 7166411A1-SATS-7C-50 | 07C         | Silver | Teflon | 50   | 6          |
| 7166411A1-SATS-17-50 | 17          | Silver | Teflon | 50   | .610HEX    |



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## Bulkhead Solder Jack - Semi-Rigid Cable

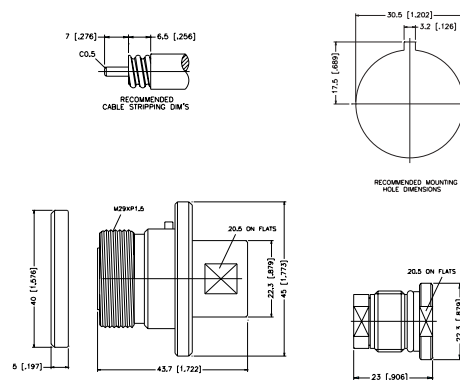
| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| 7166481A1-SATS-10-50 | 10          | Silver | Teflon | 50   | N/A        |
| 7166481B1-SATS-11-50 | 11          | Silver | Teflon | 50   | N/A        |
| 7166481A1-SATS-12-50 | 12          | Silver | Teflon | 50   | N/A        |



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## Bulkhead Clamp Jack - Corrugated Cable

| P.N.                  | Cable Group            | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------|------------------------|--------|--------|------|------------|
| 7166441A1-SATS-3/8-50 | 3/8"                   | Silver | Teflon | 50   | N/A        |
| 7166441A1-SATS-1/2-50 | Superflex 1/2"         | Silver | Teflon | 50   | N/A        |
| 7166441A1-SATS-7/8-50 | Superflex 7/8" Helical | Silver | Teflon | 50   | N/A        |

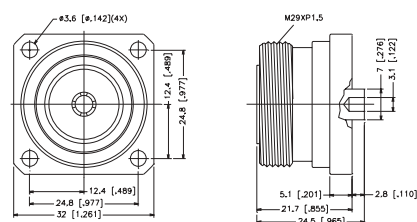


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## Panel Receptacles

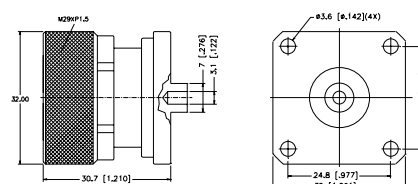
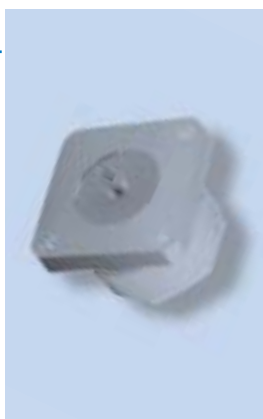
### Panel Jack Receptacles

| P.N.                                                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------------------------------------------|-------------|--------|--------|------|------------|
| 7166551A2-SATS-50<br>Solder Contact                 | N/A         | Silver | Teflon | 50   | N/A        |
| 7166551B1-SATS-50<br>Threaded Contact               | N/A         | Silver | Teflon | 50   | N/A        |
| 7166551C1-N/NTS-50<br>Solder Contact, 1 Inch Flange | N/A         | Silver | Teflon | 50   | N/A        |



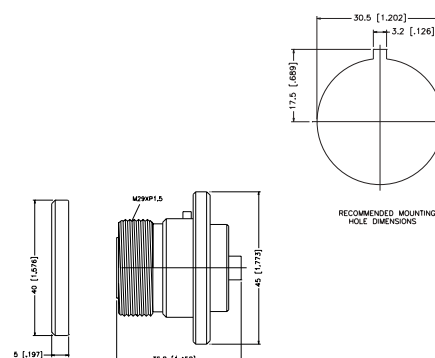
### Panel Plug Receptacles

| P.N.                                  | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------------------------|-------------|--------|--------|------|------------|
| 7161551A2-SATS-50<br>Solder Contact   | N/A         | Silver | Teflon | 50   | N/A        |
| 7161551B1-SATS-50<br>Threaded Contact | N/A         | Silver | Teflon | 50   | N/A        |



### Bulkhead Receptacles

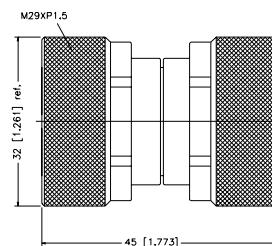
| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| 7166451A2-SATS-50 | N/A         | Silver | Teflon | 50   | N/A        |



## In-Series Adapters

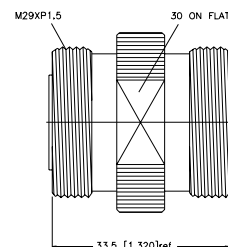
### Plug-to-Plug Adapter

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| 7162071A1-SATS-50 | N/A         | Silver | Teflon | 50   | N/A        |



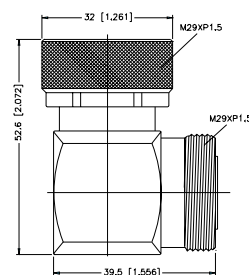
### Jack-to-Jack Adapter

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| 7167071A1-SATS-50 | N/A         | Silver | Teflon | 50   | N/A        |



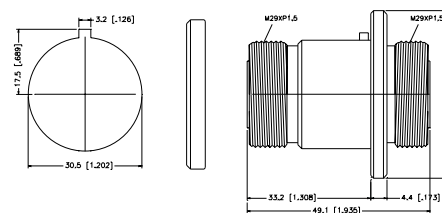
### Right Angle Plug-to-Jack Adapter

| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| 7165072A1-SATS-50 | N/A         | Silver | Teflon | 50   | N/A        |



### Jack-to-Jack Bulkhead Adapter

| P.N.               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------|-------------|--------|--------|------|------------|
| 7167471A1-N/NTS-50 | N/A         | Silver | Teflon | 50   | N/A        |



Note:

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The Amphenol UHF/MINI-UHF connectors are popular and economical, used when impedance mating is not required. General purpose units are designed to operate satisfactorily up to 500 MHz. They have a peak voltage rating of 500 volts.

#### Electrical Specifications

##### MINI-UHF Series

|                                 |                     |
|---------------------------------|---------------------|
| Impedance                       | 50 ohm nominal      |
| Frequency Range                 | 0-2.5 GHz           |
| Working Voltage                 | 335 volts rms       |
| Dielectric Withstanding Voltage | 1000 volts rms      |
| VSWR                            | 1.25 max. 0-2.5 GHz |
| Insulation Resistance           | 5000 megohms (min)  |

##### UHF Series

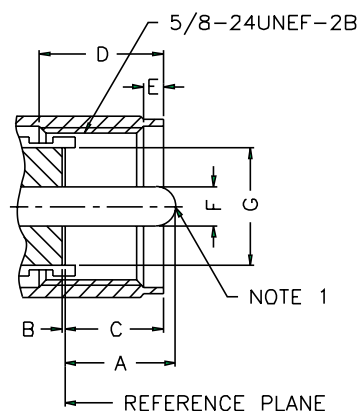
|                 |                |
|-----------------|----------------|
| Impedance       | None-constant  |
| Frequency Range | 0-500 MHz      |
| Voltage Rating  | 500 volts peak |

#### Material Specifications

| Parts Name     |        | Material                        | Finish                  |
|----------------|--------|---------------------------------|-------------------------|
| Center Contact | Male   | Brass                           | Gold or Silver plated   |
|                | Female | Brass or Phosphor Bronze        | Gold or Silver plated   |
| Metal parts    |        | Brass or Zinc diecast           | Nickel or Silver plated |
| Insulators     |        | Teflon, PBT polyester, Phenolic | None                    |
| Crimp ferrule  |        | Annealed Copper                 | Nickel or Silver plated |

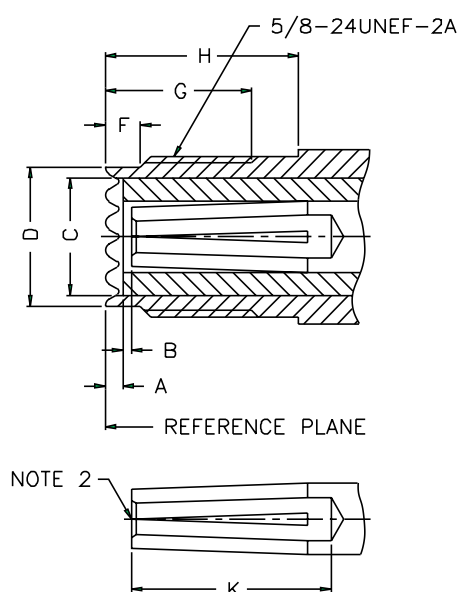
## UHF/Mini-UHF Coaxial Connectors

## Interface mating dimensions



## Plug

| Letter | Millimeters [Inches] |              |
|--------|----------------------|--------------|
|        | Minimum              | Maximum      |
| A      | -                    | 11.10 [.437] |
| B      | 0.00                 | -            |
| C      | -                    | 9.91 [.390]  |
| D      | 8.76 [.345]          | -            |
| E      | 1.91 [.075]          | 4.27 [.168]  |
| F      | 3.91 [.154]          | 4.01 [.158]  |
| G      | 11.56 [.455]         | 12.22 [.481] |



## Jack

| Letter | Millimeters [Inches] |              |
|--------|----------------------|--------------|
|        | Minimum              | Maximum      |
| A      | 1.02 [.040]          | -            |
| B      | 0.03 [.001]          | -            |
| C      | 11.56 [.455]         | 12.22 [.481] |
| D      | -                    | 14.25 [.561] |
| F      | 1.19 [.047]          | 1.96 [.077]  |
| G      | 7.87 [.310]          | -            |
| H      | 11.10 [.437]         | -            |
| K      | 11.76 [.463]         | -            |

All connector bodies, unless otherwise noted, are nickel plated.

All contacts are silver plated 100μ"; gold contacts 3μ" or tin lead plate contacts are also available.

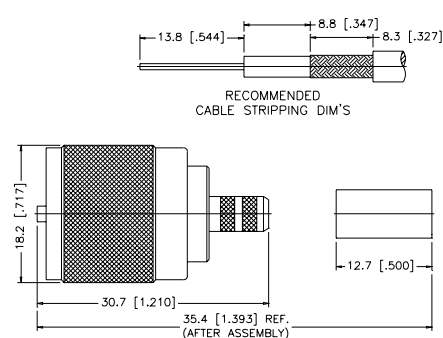
All insulators, unless otherwise noted, are phenolic. Silver plating is available for all bodies. Please contact Amphenol for samples and quotes.

All dimensions are shown in millimeters [inches].

## Plug Crimp Attachment for Flexible Cable

### Straight Crimp Plug - Standard Cable

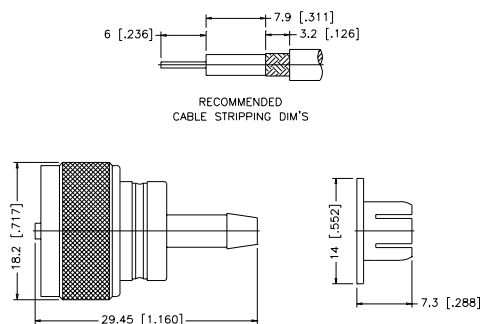
| P.N.                | Cable Group | Plt.   | Ins.     | Imp. | Crimp Tool |
|---------------------|-------------|--------|----------|------|------------|
| U1121A1-NPH3G-1-50  | 01          | Nickel | Phenolic | N/A  | 4          |
| U1121A1-NT3G-1A-50  | 01A         | Nickel | Teflon   | N/A  | 4          |
| U1121A1-NPH3G-3-50  | 03          | Nickel | Phenolic | N/A  | 4          |
| U1121A1-NPH3G-7-50  | 07          | Nickel | Phenolic | N/A  | 6          |
| U1121A1-NPH3G-7A-50 | 07A         | Nickel | Phenolic | N/A  | 4 or 6     |
| U1121A1-7B-50       | 07B         | Nickel | Phenolic | N/A  | 4          |



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### Straight FCP Plug - Standard Cable

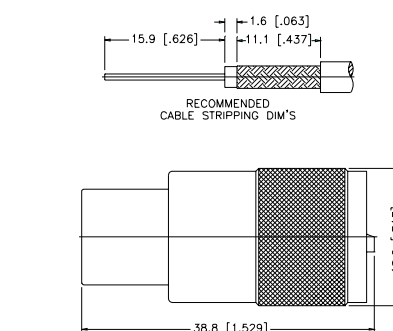
| P.N.              | Cable Group | Plt.   | Ins.     | Imp. | Crimp Tool |
|-------------------|-------------|--------|----------|------|------------|
| U1161A1-NPHS-1-50 | 01          | Nickel | Phenolic | N/A  | N/A        |



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### Straight Solder Plug - UG Standard, PL-259 Type

| P.N.               | Cable Group | Plt.   | Ins.     | Imp. | Crimp Tool |
|--------------------|-------------|--------|----------|------|------------|
| OS-U1181C1-NPHS-50 | 7,7A,7B     | Nickel | Phenolic | 50   | N/A        |
| U1181C1-N/SPHS-50  | 7,7A,7B     | Nickel | Phenolic | 50   | N/A        |
| Silver body        |             |        |          |      |            |
| UHF1702            | N/A         | Silver | Teflon   | 50   | N/A        |
| OS-UHF1703         | N/A         | Nickel | Teflon   | 50   | N/A        |
| Silver body        |             |        |          |      |            |
| U1181C1-STS-20-50  | 20          | Silver | Teflon   | 50   | N/A        |
| for RG-217/U cable |             |        |          |      |            |

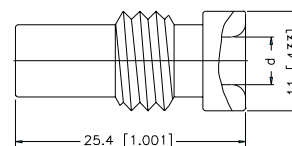
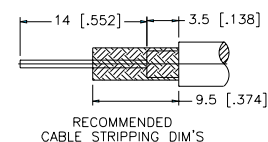


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## UHF Series

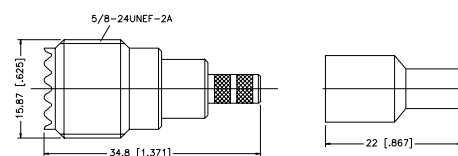
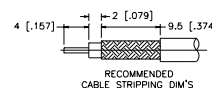
## Reducing Adapter

| P.N.          | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|---------------|-------------|--------|------|------|------------|
| U0181A1/BR=NI | 01          | Nickel | N/A  | N/A  | N/A        |
| U0181A2/BR=NI | 03          | Nickel | N/A  | N/A  | N/A        |



## Straight Crimp Jack - Flexible Cable

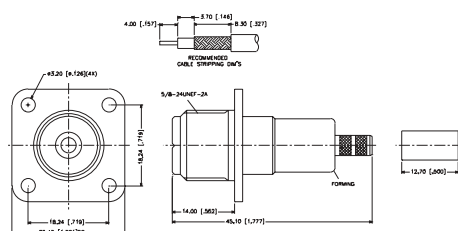
| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| U6111A1-ND3G-1-50 | 01          | Nickel | delrin | 50   | 4          |
| U6111A2-ND3G-5-50 | 05          | Nickel | delrin | 50   | 3          |



Assembly Instruction J - page 232

### Panel Crimp Jack - Standard Cable

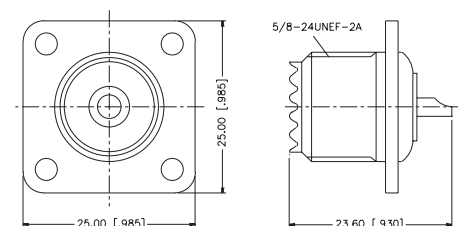
| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| U6251G1-NT3G-1-50 | 01          | Nickel | Teflon | 50   | 4          |
| U6251G1-NT3G-7-50 | 07          | Nickel | Teflon | 50   | 6          |



Assembly Instruction J - page 232

## Panel Receptacle

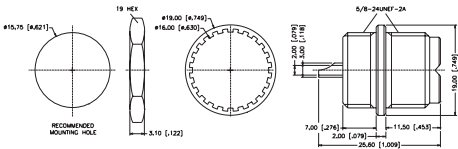
| P.N.           | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------|-------------|--------|--------|------|------------|
| U6551A1-NTT-50 | N/A         | Nickel | Teflon | N/A  | N/A        |



# UHF Series

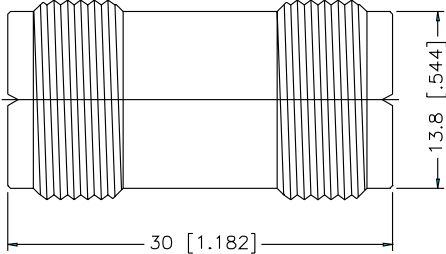
## Bulkhead Receptacle

| P.N.        | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------|-------------|--------|--------|------|------------|
| U6451A1-NTN | N/A         | Nickel | Teflon | N/A  | N/A        |

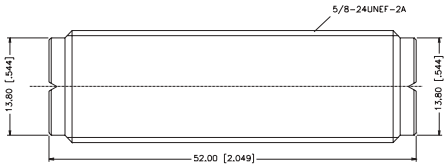


## Jack-to-Jack Adapter

| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| U7071A1-NT3G-50 | N/A         | Nickel | Teflon | N/A  | N/A        |



| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| U7071A2-NT3G-50 | N/A         | Nickel | Teflon | N/A  | N/A        |

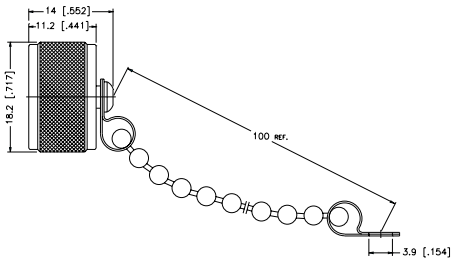


Accessories

UHF Male Cap & Chain

| P.N.      | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|-----------|-------------|--------|------|------|------------|
| U1005A1-N | N/A         | Nickel | N/A  | N/A  | N/A        |

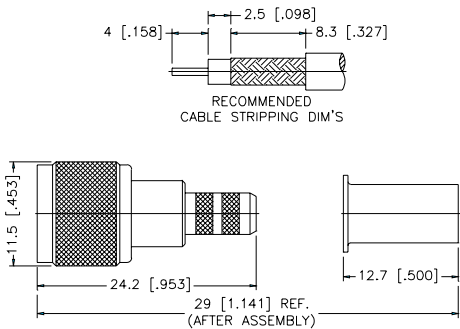
Remark: Chain length 100 [3.94]



Mini-UHF Series

Straight 3-Piece Crimp Plug - Captive contact - flexible cable

| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| MU1121A1-NT3G-1-50   | 01          | Nickel | Teflon | 50   | 4          |
| MU1121D1-ND3G-1-50   | 01          | Nickel | Delrin | 50   | 4          |
| 2 PC Crimp           |             |        |        |      |            |
| MU1121A1-NT3G-1A-50  | 01A         | Nickel | Teflon | 50   | 4          |
| MU1121A1-NT3G-1B-50  | 01B         | Nickel | Teflon | 50   | 3          |
| MU1121A1-NT3G-3-50   | 03          | Nickel | Teflon | 50   | 3          |
| MU1121A1-NT3G-5-50   | 05          | Nickel | Teflon | 50   | 1          |
| MU1121A1-NT3G-05A-50 | 05A         | Nickel | Teflon | 50   | 2          |
| MU1121A1-NT3G-7B-50  | 07B         | Nickel | Teflon | 50   | 4          |
| MU1121A1-NT3G-14-50  | 14          | Nickel | Teflon | 50   | 4          |

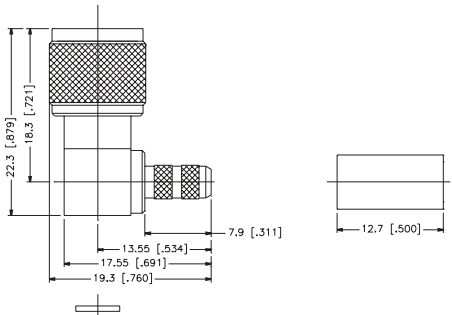


Assembly Instruction V - page 244

Right Angle 2-Piece Crimp Plug - Flexible cable

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| MU1112A1-NT3G-1-50  | 01          | Nickel | Teflon | 50   | 4          |
| MU1112A1-NT3G-1A-50 | 01A         | Nickel | Teflon | 50   | 4          |
| MU1112A2-NT3G-5-50  | 05          | Nickel | Teflon | 50   | 3          |
| MU1112A2-NT3G-5A-50 | 05A         | Nickel | Teflon | 50   | 2          |
| MU1112A3-NT3G-7B-50 | 07B         | Nickel | Teflon | 50   | 4          |

Remark: Cable center conductor soldered to pin directly

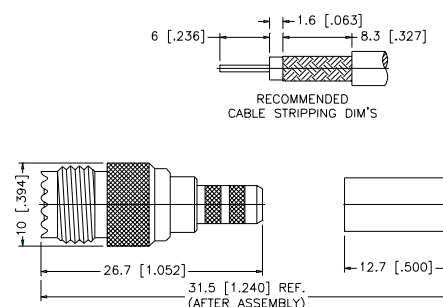


Assembly Instruction I - page 231

## Mini-UHF Series

### Right Angle 3-Piece Crimp Jack - Flexible cable

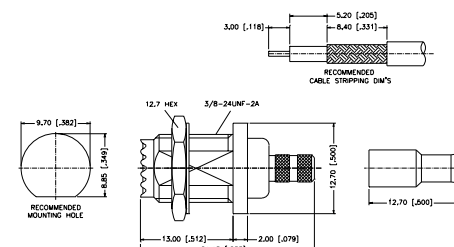
| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| MU6121A1-NT3G-1-50  | 01          | Nickel | Teflon | 50   | 3          |
| MU6121B1-ND3G-1-50  | 01          | Nickel | Delrin | 50   | 3          |
| MU6121A1-NT3G-1A-50 | 01A         | Nickel | Teflon | 50   | 4          |
| MU6121A1-NT3G-3-50  | 03          | Nickel | Teflon | 50   | 4          |
| MU6121F1-ND3G-5-50  | 05          | Nickel | Delrin | 50   | 1          |
| MU6121F1-ND3G-5A-50 | 05A         | Nickel | Delrin | 50   | 2          |
| MU6121A1-NT3G-7B-50 | 07B         | Nickel | Teflon | 50   | 4          |



Assembly Instruction J - page 232

### Bulkhead Crimp Jack - Flexible Cable

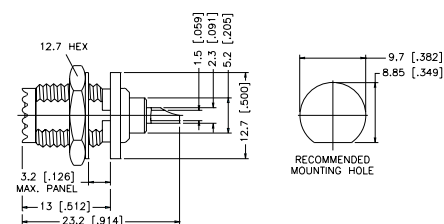
| P.N.               | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------|-------------|--------|--------|------|------------|
| MU6421A1-NT3G-1-50 | 01          | Nickel | Teflon | 50   | 3          |
| MU6421E1-NT3G-5-50 | 05          | Nickel | Teflon | 50   | 3          |



Assembly Instruction J - page 232

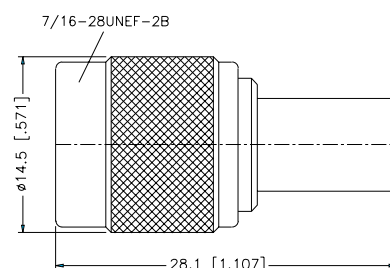
### Bulkhead Receptacle Jack - Rear Mount

| P.N.             | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------|-------------|--------|--------|------|------------|
| MU6451B1-NT3G-50 | N/A         | Nickel | Teflon | 50   | N/A        |



### Mini-UHF Terminator Plug

| P.N.                      | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------------|-------------|--------|--------|------|------------|
| MU1004A1-NT3G-50R-0.05-1W | N/A         | Nickel | Teflon | 50   | N/A        |



Note:

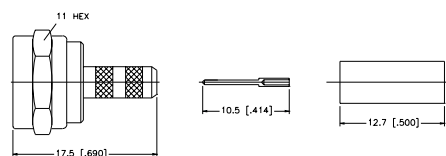
---

F connectors have been a standard for the CATV industry for over thirty years. Center contacts are available in either gold or tin-lead plating. All dimensions are in millimeters [inches].

## Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Straight Crimp Plug - 3-Piece Crimp - Flexible cable

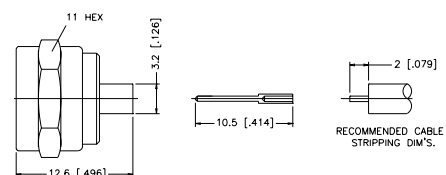
| P.N.                                 | Cable Group | Plt.       | Ins.   | Imp. | Crimp Tool |
|--------------------------------------|-------------|------------|--------|------|------------|
| F1121A1-002-ND3G-9100-75 Belden 9100 |             | Nickel     | Delrin | 75   | 5          |
| F1111A1-002-TTT-6-75                 | 06          | Bright Tin | Teflon | 75   | 1 or 2     |
| F1121A3-NT3G-7C-50                   | 07C         | Nickel     | Teflon | 50   | 6          |
| F1121A1-003-ND3G-8-75                | 08          | Nickel     | Delrin | 75   | 5          |
| F1111A1-001-NT3G-16-75               | 16          | Nickel     | Teflon | 75   | 3          |
| F1111A1-001-NT3G-16A-75              | 16A         | Nickel     | Teflon | 75   | 3          |
| F1111A1-002-TTT-19-75                | 19          | Bright Tin | Teflon | 75   | 8          |



Assembly Instruction J - page 232

### Straight Crimp Plug - .085 Semi-Rigid Cable

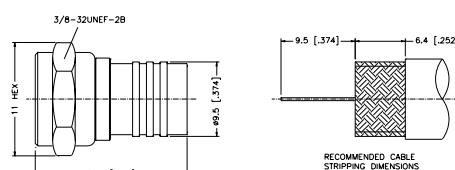
| P.N.              | Cable Group | Plt.       | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|------------|--------|------|------------|
| F1181A1-TTT-11-50 | 11          | Bright Tin | Teflon | 75   | N/A        |



Assembly Instruction E - page 227

### Straight Crimp Plug - 1-Piece Crimp - Flexible cable

| P.N.                                   | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|----------------------------------------|-------------|--------|------|------|------------|
| F5002-N-3                              | 03          | Nickel | N/A  | 75   | 5          |
| F5002-N-8                              | 08          | Nickel | N/A  | 75   | 5          |
| F5002-N-1855A                          | -           | Nickel | N/A  | 75   | .296 hex   |
| Belden 1855A Cable                     |             |        |      |      |            |
| F5002I-N-1186A                         | -           | Nickel | N/A  | 75   | .296 hex   |
| Belden 1186A Cable RG59/U Double Braid |             |        |      |      |            |

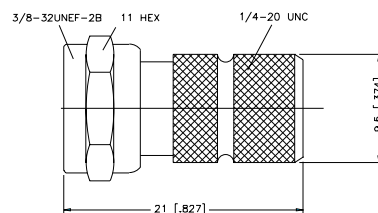


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## Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Straight Plug - Twist-On - Standard Cable

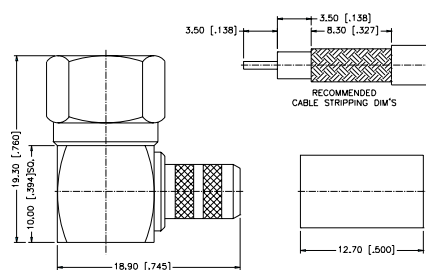
| P.N.        | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|-------------|-------------|--------|------|------|------------|
| F1131A1-N-3 | 03          | Nickel | N/A  | 75   | N/A        |
| F1131A1-N-8 | 08          | Nickel | N/A  | 75   | N/A        |



Assembly Instruction O - page 237

### Right Angle Crimp Plug - Standard Cable

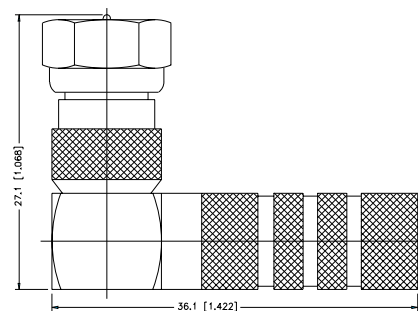
| P.N.              | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|--------|--------|------|------------|
| F1112A1-NT3G-3-75 | 03          | Nickel | Teflon | 75   | 4          |
| F1112A1-NT3G-8-75 | 08          | Nickel | Teflon | 75   | 5          |



Assembly Instruction I - page 231

### Right Angle Plug - Twist - Standard Cable

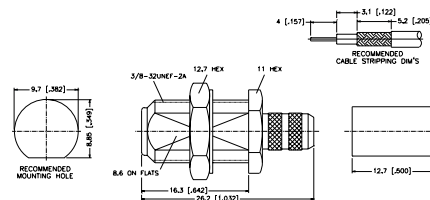
| P.N.          | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------|-------------|--------|--------|------|------------|
| OS-7265-NDN-8 | 08          | Nickel | Delrin | 75   | N/A        |



## Bulkhead Jack Crimp Attachment for Flexible Cable

### Bulkhead Crimp and Solder Jack - Flexible and Semi-Rigid Cable

| P.N.               | Cable Group | Plt.     | Ins.   | Imp. | Crimp Tool |
|--------------------|-------------|----------|--------|------|------------|
| F6411A2-NT3G-3-75  | 03          | Nickel   | Teflon | 75   | 4          |
| F6411A1-002-TPPT-6 | 06          | Tin Lead | P.P.   | 75   | 1 or 2     |
| F6411A2-TPPT-6A    | 06A         | Tin Lead | P.P.   | 75   | 2          |
| F6411A2-NT3G-8-75  | 08          | Nickel   | Teflon | 75   | 5          |
| F6481A1-TTT-11     | 11          | Tin Lead | Teflon | 75   | N/A        |

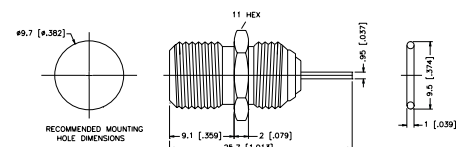


Assembly Instruction E - page 227  
Assembly Instruction J - page 232

## Receptacles

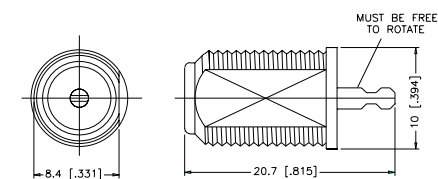
### Bulkhead Receptacle

| P.N.       | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|------------|-------------|--------|------|------|------------|
| F7310-NPPT | N/A         | Nickel | P.P. | 75   | N/A        |



| P.N.          | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|---------------|-------------|--------|------|------|------------|
| OS-7223L-NPPT | N/A         | Nickel | P.P. | 75   | N/A        |
| OS-722B-NPPT  | N/A         | Nickel | P.P. | 75   | N/A        |

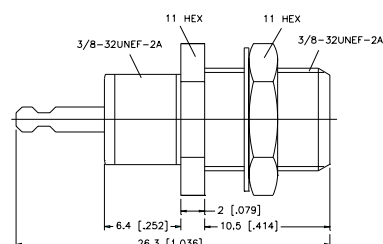
With Hex Nut and Lockwasher



## Receptacles

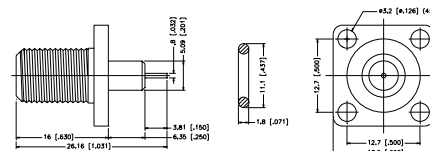
### Bulkhead Receptacle

| P.N.                | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|---------------------|-------------|--------|------|------|------------|
| F6351A1-003-NPPT-75 | N/A         | Nickel | P.P. | 75   | N/A        |



### Panel Receptacle - Exposed Teflon

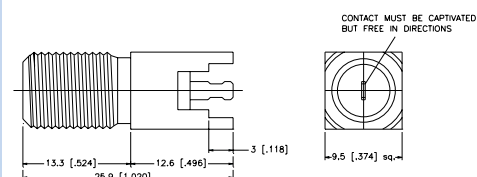
| P.N.            | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------------|-------------|--------|--------|------|------------|
| F6551A1-002-NTT | N/A         | Nickel | Teflon | 75   | N/A        |



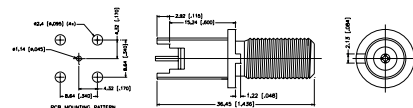
## Printed Circuit Board Connectors

### P.C. Board Receptacle

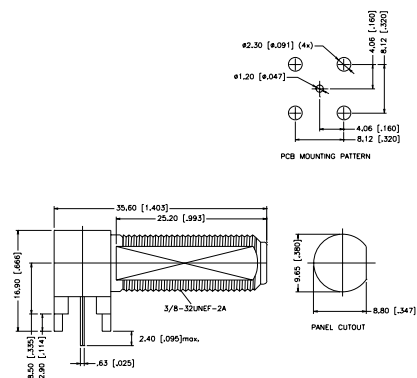
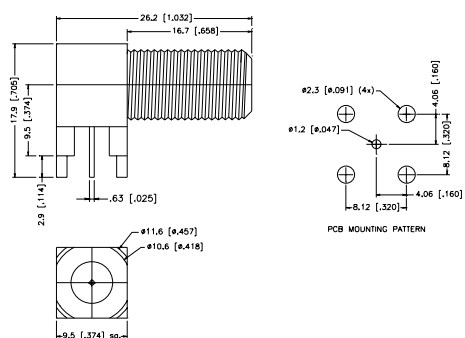
| P.N.            | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|-----------------|-------------|--------|------|------|------------|
| F625100-NPPT-75 | N/A         | Nickel | P.P. | 75   | N/A        |



| P.N.                | Cable Group | Plt.     | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|----------|--------|------|------------|
| F625100-003-TT3G-75 | N/A         | Tin Lead | Teflon | 75   | N/A        |



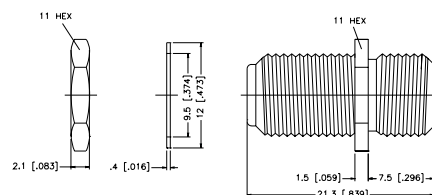
| P.N.                | Cable Group | Plt.     | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|----------|--------|------|------------|
| F6252A1-004-TD3G-75 | N/A         | Tin Lead | Delrin | 75   | N/A        |



## In-Series Adapters

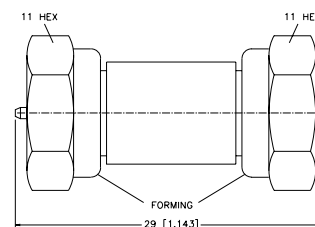
### Bulkhead Adapter - Jack-to-Jack

| P.N.        | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|-------------|-------------|--------|------|------|------------|
| F7900Z-NPPT | N/A         | Nickel | P.P. | 75   | N/A        |



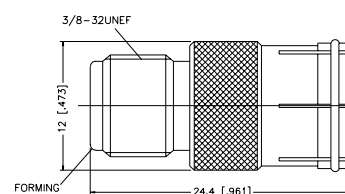
### Straight Adapter - Plug-to-Plug

| P.N.        | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-------------|-------------|--------|--------|------|------------|
| OS-7234-NDN | N/A         | Nickel | Delrin | 75   | N/A        |



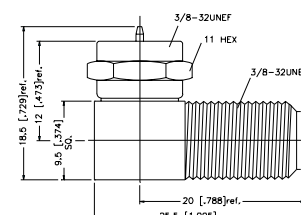
### Straight Adapter - Jack-to-Push-On Plug

| P.N.         | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|--------------|-------------|--------|------|------|------------|
| OS-7236-NPPN | N/A         | Nickel | P.P. | 75   | N/A        |



### Right Angle Adapter - Plug-to-Jack

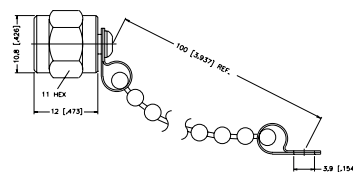
| P.N.            | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|-----------------|-------------|--------|------|------|------------|
| F5072A2-NPPT-75 | N/A         | Nickel | P.P. | 75   | N/A        |



## Accessories

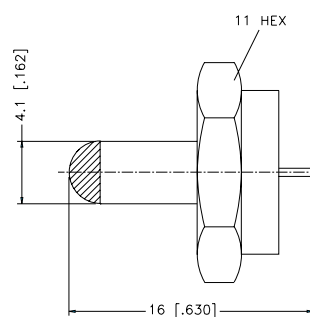
### Cap and Chain - Male

| P.N.      | Cable Group | Plt.   | Ins. | Imp. | Crimp Tool |
|-----------|-------------|--------|------|------|------------|
| F1005A1-N | N/A         | Nickel | N/A  | 75   | N/A        |

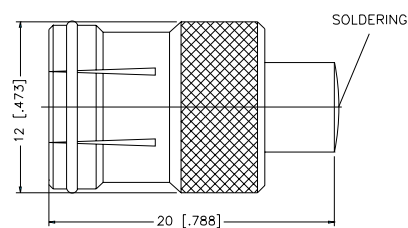


### Resistor-Terminated - Male Cap

| P.N.      | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------|-------------|--------|--------|------|------------|
| OS-7219-N | N/A         | Nickel | Teflon | 75   | N/A        |



|                            |     |        |        |    |     |
|----------------------------|-----|--------|--------|----|-----|
| F1004A1-NT3G-75<br>Push-On | N/A | Nickel | Teflon | 75 | N/A |
|----------------------------|-----|--------|--------|----|-----|



Note:

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The Amphenol TWINAX connectors are designed for use on IBM systems 34 and 38 installations. They can interface IBM host-compatible network communications where minimum cross-talk and balanced circuits are necessary in interconnecting work stations.

TWINAX-polarized key and keyway construction, threaded coupling, 0-200 MHz range, 500 V peak voltage rating.

Twin-BNC-polarized contact design (one female, one male), 2 stud bayonet coupling, captivated contacts, 0-100 MHz range, 100 V peak voltage rating.

Electrical Specifications

|                 |                                                                                                                |
|-----------------|----------------------------------------------------------------------------------------------------------------|
| Impedance       | Used with 78 ohm/95 ohm twin conductor cable                                                                   |
| Frequency Range | Keyway polarization and non-polarized:<br>0-200 MHz, 0-500 MHz with caution<br>Contact polarization: 0-100 MHz |
| Voltage Rating  | Keyway polarization and non-polarization: 500 volts peak<br>Contact polarization: 100 volts peak               |

\*TWINAX connectors keyway construction meet applicable sections MIL-C-3655.

Material Specifications

| Parts Name     |        | Material                                      | Finish                |
|----------------|--------|-----------------------------------------------|-----------------------|
| Center Contact | Male   | Brass                                         | Gold or Silver plated |
|                | Female | Phosphor Bronze (nominal) or Beryllium Copper | Gold or Silver plated |
| Metal parts    |        | Brass                                         | Nickel                |
| Insulators     |        | PBT polyester or noryl                        | None                  |
| Clamp gaskets  |        | Silicone rubber or Synthetic rubber           | None                  |

## Twin Coaxial Connectors

All connector bodies are nickel plated.

Insulators are PBT polyester and contacts are gold plated, 3μ".

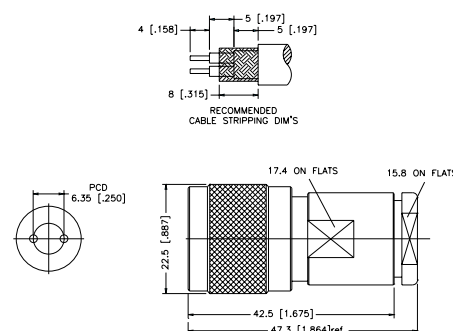
Silver-plated contacts are available upon request. Please contact Amphenol for samples and quotes.

All dimensions are shown in millimeters [inches].

### Twin Contacts/Keyed 90°

#### Straight Clamp Plug - Standard Cable

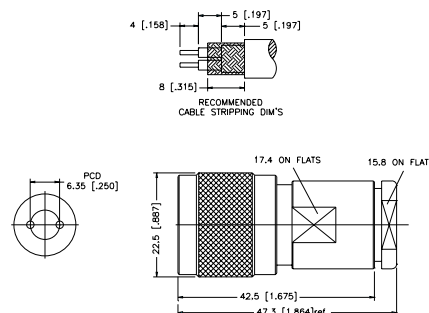
| P.N.                                               | Cable Group | Plt.   | Ins.          | Imp. | Crimp Tool |
|----------------------------------------------------|-------------|--------|---------------|------|------------|
| TWX1141A1-NPB3G-9-95<br>IBM 7362229<br>Belden 9207 | 09          | Nickel | PBT Polyester | 100  | N/A        |
| TWX1141A1-NPB3G-89-95<br>Belden 89207              | 09          | Nickel | PBT Polyester | 100  | N/A        |



1 gold, 1 silver contact are available  
Assembly Instruction R - page 240

| P.N.                 | Cable Group | Plt.   | Ins.          | Imp. | Crimp Tool |
|----------------------|-------------|--------|---------------|------|------------|
| TWX1141K1-NPB3G-9-95 | 09          | Nickel | PBT Polyester | 100  | N/A        |

Remark: European Type. With Delrin Bushing 9.3 [.366] x 8 [.315] x 4.5 [.177]

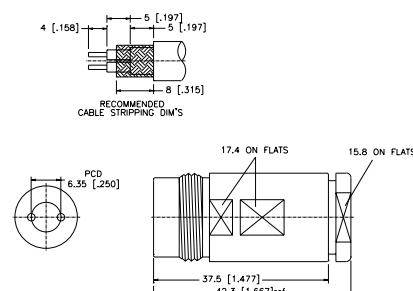


1 gold, 1 silver contact are available  
Assembly Instruction R - page 240

#### Straight Clamp Jack - Standard Cable

| P.N.                 | Cable Group | Plt.   | Ins.          | Imp. | Crimp Tool |
|----------------------|-------------|--------|---------------|------|------------|
| TWX6141A1-NPB3G-9-95 | 09          | Nickel | PBT Polyester | 100  | N/A        |

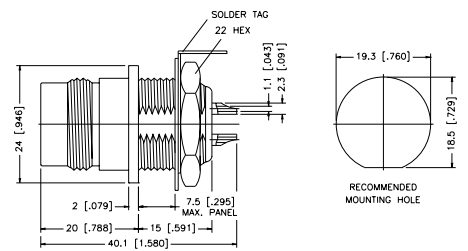
Remark: IBM 6838959



Assembly Instruction R - page 240

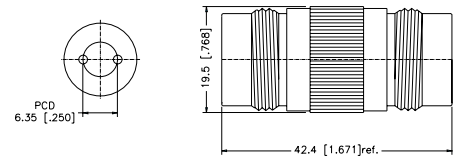
## Bulkhead Receptacle Jack

| P.N.                               | Cable Group | Plt.       | Ins.      | Imp. | Crimp Tool |
|------------------------------------|-------------|------------|-----------|------|------------|
| TWX6351B1-NPB3G-95<br>IBM 7362179  | N/A         | Nickel PBT | Polyester | 100  | N/A        |
| TWX6351D1-NPB3G-95<br>Diecast body | N/A         | Nickel PBT | Polyester | 100  | N/A        |



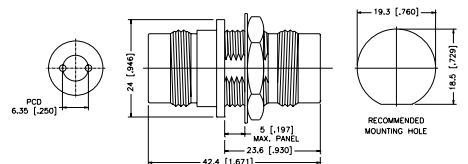
## Jack-to-Jack Feedthrough Adapter

| P.N.                | Cable Group | Plt.       | Ins.      | Imp. | Crimp Tool |
|---------------------|-------------|------------|-----------|------|------------|
| TWX7071A1-NPB3G-95  | N/A         | Nickel PBT | Polyester | 100  | N/A        |
| Remark: IBM 7362230 |             |            |           |      |            |



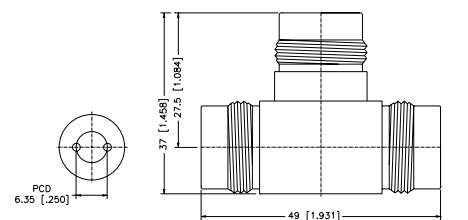
## Bulkhead Jack-to-Jack Adapter

| P.N.               | Cable Group | Plt.       | Ins.      | Imp. | Crimp Tool |
|--------------------|-------------|------------|-----------|------|------------|
| TWX7471B1-NPB3G-95 | N/A         | Nickel PBT | Polyester | 100  | N/A        |



## Tee Adapter Jack-to-Jack-to-Jack

| P.N.                | Cable Group | Plt.       | Ins.      | Imp. | Crimp Tool |
|---------------------|-------------|------------|-----------|------|------------|
| TWX8073A1-NPB3G-95  | N/A         | Nickel PBT | Polyester | 100  | N/A        |
| Remark: IBM 6851167 |             |            |           |      |            |

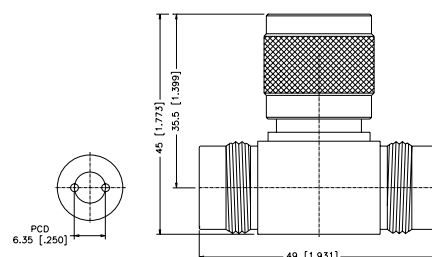


## In-Series Tee Adapters

### Tee Adapter Jack-to-Plug-to-Jack

| P.N.               | Cable Group | Plt.       | Ins.      | Imp. | Crimp Tool |
|--------------------|-------------|------------|-----------|------|------------|
| TWX9073A1-NPB3G-95 | N/A         | Nickel PBT | Polyester | 100  | N/A        |

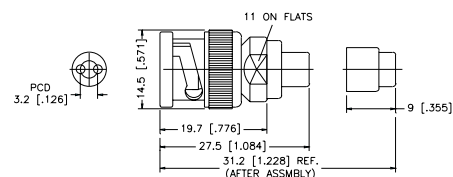
Remark: IBM 4178269



## BNC Polarized Contact/One Male, One Female

### Straight Crimp Plug - Flexible Cable

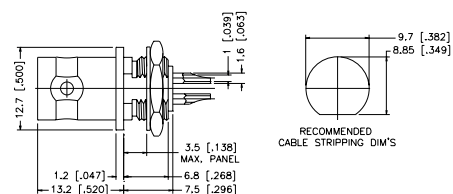
| P.N.               | Cable Group | Plt.       | Ins.      | Imp. | Crimp Tool |
|--------------------|-------------|------------|-----------|------|------------|
| TWB1111K1-NPB3G-78 | RG-108A/U   | Nickel PBT | Polyester | 78   | N/A        |



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### Bulkhead Receptacle Jack

| P.N.               | Cable Group | Plt.       | Ins.      | Imp. | Crimp Tool |
|--------------------|-------------|------------|-----------|------|------------|
| TWB6351B1-NPB3G-95 | N/A         | Nickel PBT | Polyester | 78   | N/A        |

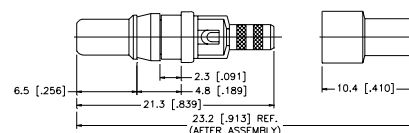


All connector bodies are gold plated, 3μ".  
 Insulators are Teflon and center contacts are gold plated, 3μ".  
 Contacts fit into all standard D-Subminiature crimp connectors.  
 All dimensions are shown in millimeters [inches].

## Crimp Attachments for Flexible Cable/PCB Mount

### Straight Cable Jack - Miniature Cable

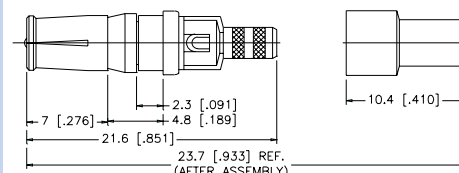
| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| DS6111C2-3GT3G-5-50 | 05          | Gold | Teflon | 50   | 1 or 2     |
| DS6111C2-3GT3G-6-75 | 06          | Gold | Teflon | 75   | 1 or 2     |



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### Straight Cable plug - Miniature Cable

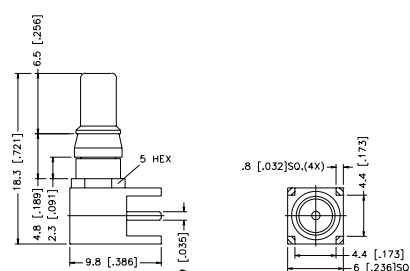
| P.N.                | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|------|--------|------|------------|
| DS1111C1-3GT3G-5-50 | 05          | Gold | Teflon | 50   | 1 or 2     |
| DS1111C2-3GT3G-6-75 | 06          | Gold | Teflon | 75   | 1 or 2     |



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### Right Angle Jack for P.C. Board

| P.N.                 | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|------|--------|------|------------|
| DS6252L1-002-NT3G-50 | N/A         | Gold | Teflon | 50   | N/A        |
| DS6252L1-003-NT3G-75 | N/A         | Gold | Teflon | 75   | N/A        |



Note:

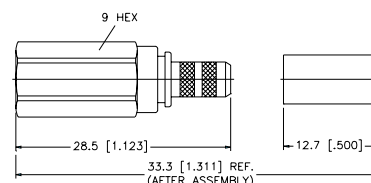
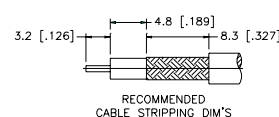
---

**All connector bodies, unless otherwise noted, are nickel.  
All contacts are gold plated, 3µ". Insulators are Delrin.  
Silver plating and Teflon insulators are available for all connectors.  
Please contact Amphenol for samples and quotes.  
All dimensions are shown in millimeters [inches].**

## Crimp Attachments for Flexible Cable

## Straight Crimp Plug - Flexible Cable

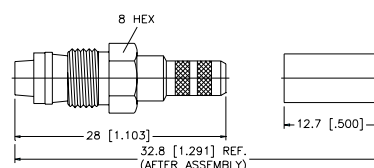
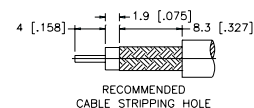
| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| FME1121A3-NT3G-1-50  | 01          | Nickel | Teflon | 50   | 3 or 4     |
| FME1121A3-NT3G-3-50  | 03          | Nickel | Teflon | 50   | 4          |
| FME1121A4-NT3G-5-50  | 05          | Nickel | Teflon | 50   | 2          |
| FME1121G1-NT3G-14-50 | 14          | Nickel | Teflon | 50   | 2          |



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## Straight Crimp Jack - Flexible Cable

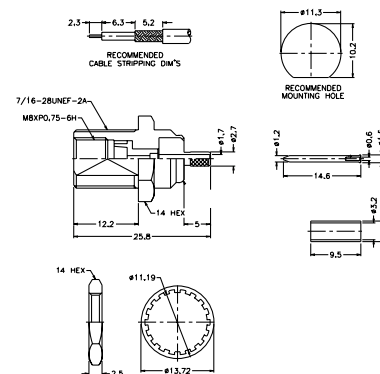
| P.N.                     | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------------|-------------|--------|--------|------|------------|
| Teflon/Captured          |             |        |        |      |            |
| FME6121B1-NT3G-1-50      | 01          | Nickel | Teflon | 50   | 3 or 4     |
| Delrin/Noncaptured       |             |        |        |      |            |
| FME6121B1-ND3G-1-50      | 01          | Nickel | Delrin | 50   | 3 or 4     |
| FME6121E1-ND3G-5-50      | 05          | Nickel | Delrin | 50   | 2          |
| FME6121A2-002-ND3G-7B-50 | 07B         | Nickel | Delrin | 50   | 4          |



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## Bulkhead Crimp Plug

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| FME1421A2-NT3G-5-50 | 05          | Nickel | Teflon | 50   | 2          |

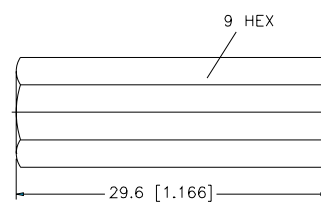


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## In-Series Adapters

### Nipple Plug to Nipple Plug

| P.N.             | Cable<br>Group | Plt.   | Ins.   | Imp. | Crimp<br>Tool |
|------------------|----------------|--------|--------|------|---------------|
| FME2071A1-NTS-50 | N/A            | Nickel | Teflon | 50   | N/A           |



## 1.0/2.3 Coaxial Connectors

The Amphenol 1.0/2.3 connectors are sub-miniature, high frequency connectors which offer reliable broadband performance.

The main features are high mechanical strength, high durability and the slide on/screw on coupling latch to prevent accidental disconnection.

These connectors, owing to their smaller size, are popularly used in telecommunication systems where space saving is critical.

For crimping the inner contact please use our Standard tool M22520/2-01 and Locator AC-POSITIONER K41.

### Electrical Specifications

|                                 |                                                                                                                                                    |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Impedance                       | 50 $\Omega$ / 75 $\Omega$                                                                                                                          |
| Frequency Range                 | 0 - 10 GHz / 0 - 1 GHz                                                                                                                             |
| Working Voltage                 | $\leq 250$ Vrms max at sea level                                                                                                                   |
| Dielectric withstanding voltage | $> 750$ Vrms at sea level                                                                                                                          |
| VSWR                            | Straight Type $\leq 1.3$ (0-4 GHz) / $\leq 1.3$ (0-1 GHz)<br>Right angled Type $\leq 1.5$ (0-4 GHz) / $\leq 1.5$ (0-1 GHz)<br>Receptacles, etc N/A |
| Contact Resistance              | Center Contact $\leq 10$ m $\Omega$<br>Outer Contact $\leq 3$ m $\Omega$                                                                           |
| Insulation Resistance           | $\geq 1000$ M $\Omega$                                                                                                                             |

### Material Specifications

|           |                                                                                                                                   |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------|
| Body      | Brass per QQ-B-626; Gold or Nickel                                                                                                |
| Contact   | Male Brass per QQ-B-626; Gold<br>Female Beryllium Copper per QQ-C-530; Gold<br>Outer Contacts Beryllium Copper per QQ-C-530; Gold |
| Insulator | PTFE per MIL-P-19468                                                                                                              |
| Ferrule   | Copper; Nickel                                                                                                                    |

\* Other plating finish available upon request

### Mechanical Specifications

|                     |                                   |
|---------------------|-----------------------------------|
| Engagement Force    | $< 2.3$ lbs ( $< 10$ N)           |
| Disengagement force | $< 2.3$ lbs ( $< 10$ N)           |
| Contact Captivation | $> 4$ lbs ( $> 16$ N) axial force |
| Durability          | $\geq 500$ mating cycles          |

### Cable Retention

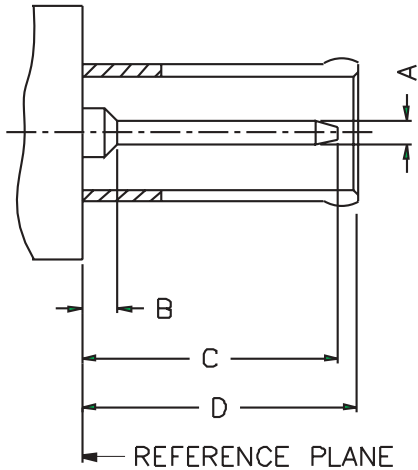
|                    |                                    |
|--------------------|------------------------------------|
| Small Size Cables  | $> 15$ lbs ( $> 60$ N) eg: RG179U  |
| Larger Size Cables | $> 35$ lbs ( $> 150$ N) eg: BT3002 |

### Environmental Specifications

|                     |                                       |
|---------------------|---------------------------------------|
| Temperature         | -40C ~ +125C                          |
| Moisture Resistance | MIL-STD-202, Method 106               |
| Corrosion           | MIL-STD-202, Method 101 - Condition B |
| Vibration           | MIL-STD-202, Method 204 - Condition A |

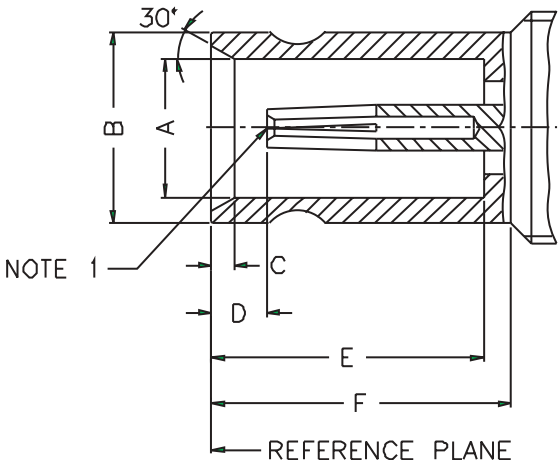
1.0/2.3 Coaxial Connectors

Interface mating dimensions



Plug

| Letter | Millimeters [Inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| A      | 0.48 [.019]          | 0.52 [.020] |
| B      | -                    | 1.15 [.045] |
| C      | -                    | 5.50 [.217] |
| D      | 5.40 [.213]          | 5.70 [.224] |



Jack

| Letter | Millimeters [Inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| A      | 3.00 [.118]          | 3.06 [.120] |
| B      | 4.03 [.159]          | 4.15 [.163] |
| C      | 0.50 [.020]          | 0.60 [.024] |
| D      | 1.15 [.045]          | -           |
| E      | 5.80 [.228]          | 5.90 [.232] |
| F      | 6.40 [.252]          | 6.50 [.256] |

## Crimp Attachments for Flexible Cable

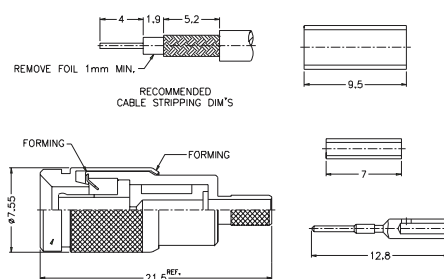
### Push Pull Straight Plug Full Crimp

| P.N.           | Cable Group | Plt.   | Ins.   | Imp. | Tool Ferrule | Tool inner contact* |
|----------------|-------------|--------|--------|------|--------------|---------------------|
| 1231121D1-E06  | 6           | Nickel | Teflon | 75   | Ace-tool 1   | 6**                 |
| 1231121D1-E16  | 16          | Nickel | Teflon | 75   | Ace-tool 3   | 5                   |
| 1231121D1-E16A | 16A         | Nickel | Teflon | 75   | Ace-tool 3   | 5***                |
| 1231121D1-E20  | 20          | Nickel | Teflon | 75   | Ace-tool 2   | 5                   |
| 1231121D1-E21  | 21          | Nickel | Teflon | 75   | Ace-tool 2   | 6                   |
| 1231121D1-E22  | 22          | Nickel | Teflon | 75   | Ace-tool 3   | 5                   |
| 1231121D1-E23  | 23          | Nickel | Teflon | 75   | 55AR0052     | 6                   |
| 1231121D1-E24  | 24          | Nickel | Teflon | 75   | Ace-tool 2   | 6                   |

\*crimp instruction inner contact, locator adjust to:

\*\* (RG179 or RG187A to 3), (RA8000 to 1)

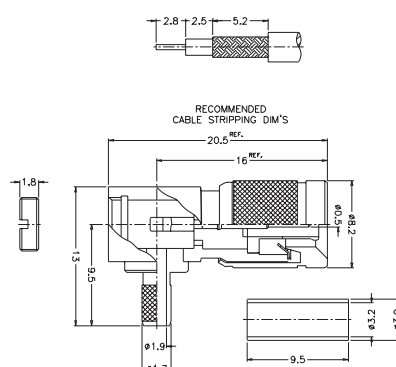
\*\*\* (BT3002 to 3)



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### Push Pull Right Angled Plug Solder Crimp

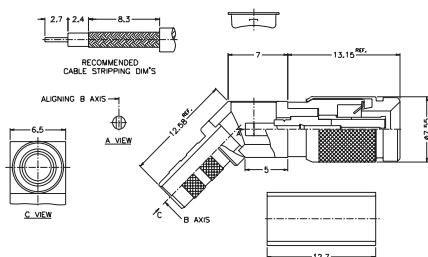
| P.N.           | Cable Group | Plt.   | Ins.   | Imp. | Tool Ferrule | Tool inner contact* |
|----------------|-------------|--------|--------|------|--------------|---------------------|
| 1231112D1-E06  | 6           | Nickel | Teflon | 75   | Ace-tool 1   | N/A                 |
| 1231112D1-E16  | 16          | Nickel | Teflon | 75   | Ace-tool 3   | N/A                 |
| 1231112D1-E16A | 16A         | Nickel | Teflon | 75   | Ace-tool 3   | N/A                 |
| 1231112D1-E20  | 20          | Nickel | Teflon | 75   | Ace-tool 2   | N/A                 |
| 1231112D1-E21  | 21          | Nickel | Teflon | 75   | Ace-tool 2   | N/A                 |
| 1231112D1-E22  | 22          | Nickel | Teflon | 75   | Ace-tool 3   | N/A                 |
| 1231112D1-E23  | 23          | Nickel | Teflon | 75   | 55AR0052     | N/A                 |
| 1231112D1-E24  | 24          | Nickel | Teflon | 75   | Ace-tool 1   | N/A                 |



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### Push Pull 45 Degrees Plug Solder Crimp

| P.N.           | Cable Group | Plt.   | Ins.   | Imp. | Tool Ferrule | Tool inner contact* |
|----------------|-------------|--------|--------|------|--------------|---------------------|
| 1231110L2-E06  | 6           | Nickel | Teflon | 75   | Ace-tool 1   | N/A                 |
| 1231110L2-E16  | 16          | Nickel | Teflon | 75   | Ace-tool 3   | N/A                 |
| 1231110L2-E16A | 16A         | Nickel | Teflon | 75   | Ace-tool 3   | N/A                 |
| 1231110L2-E20  | 20          | Nickel | Teflon | 75   | Ace-tool 2   | N/A                 |
| 1231110L2-E21  | 21          | Nickel | Teflon | 75   | Ace-tool 2   | N/A                 |
| 1231110L2-E22  | 22          | Nickel | Teflon | 75   | Ace-tool 3   | N/A                 |
| 1231110L2-E23  | 23          | Nickel | Teflon | 75   | 55AR0052     | N/A                 |



Assembly Instruction J - page 232

## Bulkhead Jack Attachment for Flexible Cable

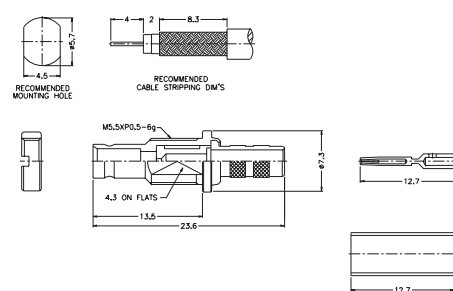
### Straight Bulkhead Crimp Jack

| P.N.           | Cable Group | Plt.   | Ins.   | Imp. | Tool Ferrule | Tool inner contact* |
|----------------|-------------|--------|--------|------|--------------|---------------------|
| 1236421A1-E06  | 6           | Nickel | Teflon | 75   | Ace-tool 1   | 6**                 |
| 1236421A1-E16  | 16          | Nickel | Teflon | 75   | Ace-tool 3   | 5                   |
| 1236421A1-E16A | 16A         | Nickel | Teflon | 75   | Ace-tool 3   | 5***                |
| 1236421A1-E20  | 20          | Nickel | Teflon | 75   | Ace-tool 2   | 5                   |
| 1236421A1-E21  | 21          | Nickel | Teflon | 75   | Ace-tool 7   | 6                   |
| 1236421A1-E22  | 22          | Nickel | Teflon | 75   | Ace-tool 3   | 5                   |
| 1236421A1-E23  | 23          | Nickel | Teflon | 75   | 55AR0052     | 6                   |
| 1236421A1-E24  | 24          | Nickel | Teflon | 75   | Ace-tool 2   | 6                   |

\*crimp instruction inner contact, locator adjust to:

\*\* (RG179 or RG187 to 3), (RA 8000 to 1)

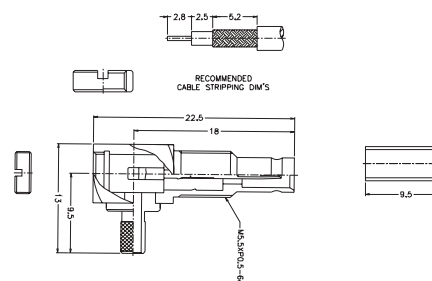
\*\*\* (BT3002 to 3)



Assembly Instruction J - page 232

### Right Angled Bulkhead Solder Crimp Jack

| P.N.           | Cable Group | Plt.   | Ins.   | Imp. | Tool Ferrule | Tool inner contact* |
|----------------|-------------|--------|--------|------|--------------|---------------------|
| 1236412A1-E06  | 6           | Nickel | Teflon | 75   | Ace-tool 1   | N/A                 |
| 1236412A1-E16  | 16          | Nickel | Teflon | 75   | Ace-tool 3   | N/A                 |
| 1236412A1-E16A | 16A         | Nickel | Teflon | 75   | Ace-tool 3   | N/A                 |
| 1236412A1-E20  | 20          | Nickel | Teflon | 75   | Ace-tool 2   | N/A                 |
| 1236412A1-E21  | 21          | Nickel | Teflon | 75   | Ace-tool 2   | N/A                 |
| 1236412A1-E22  | 22          | Nickel | Teflon | 75   | Ace-tool 3   | N/A                 |
| 1236412A1-E23  | 23          | Nickel | Teflon | 75   | 55AR0052     | N/A                 |
| 1236412A1-E24  | 24          | Nickel | Teflon | 75   | Ace-tool 1   | N/A                 |

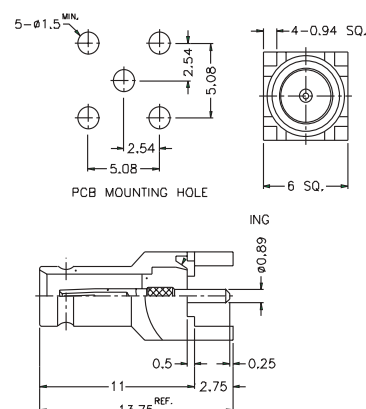


Assembly Instruction I - page 231

## Printed Circuit Board Connectors

### Straight PCB Receptacle

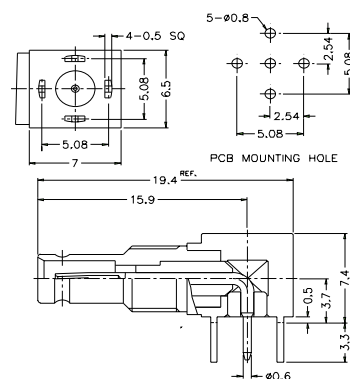
| P.N.          | Cable Group | Plt. | Ins.   | Imp. | Tool Ferrule | Tool inner contact* |
|---------------|-------------|------|--------|------|--------------|---------------------|
| 1236251B1-ES1 | N/A         | Gold | Teflon | 50   | N/A          | N/A                 |
| 123625100-ES2 | N/A         | Gold | Teflon | 75   | N/A          | N/A                 |



## Printed Circuit Board Connectors

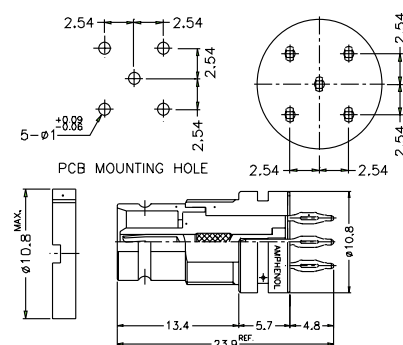
### Right Angled PCB Receptacle

| P.N.          | Cable Group | Plt. | Ins.   | Imp. | Tool Ferrule | Tool inner contact* |
|---------------|-------------|------|--------|------|--------------|---------------------|
| 1236252AF-ER1 | N/A         | Gold | Teflon | 50   | N/A          | N/A                 |
| 1236252AF-ER2 | N/A         | Gold | Teflon | 50   | N/A          | N/A                 |



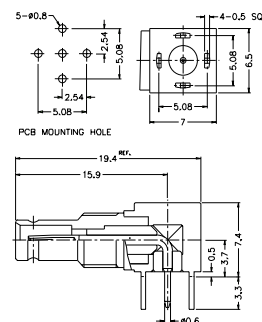
### Straight Press-Fit Jack

| P.N.          | Cable Group | Plt. | Ins.   | Imp. | Tool Ferrule | Tool inner contact* |
|---------------|-------------|------|--------|------|--------------|---------------------|
| 1236251PF-ES1 | N/A         | Gold | Teflon | 50   | N/A          | N/A                 |
| 1236251PF-ES2 | N/A         | Gold | Teflon | 50   | N/A          | N/A                 |
| 1236251PF-ES3 | N/A         | Gold | Teflon | 50   | N/A          | N/A                 |



### Right Angled Press-Fit Jack

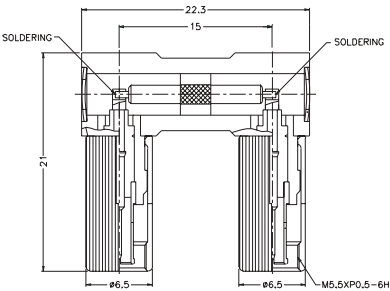
| P.N.          | Cable Group | Plt. | Ins.   | Imp. | Tool Ferrule | Tool inner contact* |
|---------------|-------------|------|--------|------|--------------|---------------------|
| 1236252PF-ER1 | N/A         | Gold | Teflon | 50   | N/A          | N/A                 |



In-Series Adapters

U-link

| P.N.          | Cable Group | Plt.   | Ins.   | Imp. | Tool Ferrule | Tool inner contact* |
|---------------|-------------|--------|--------|------|--------------|---------------------|
| 1232076A1-P15 | N/A         | Nickel | Teflon | 50   | N/A          | N/A                 |



## 1.6/5.6 Coaxial Connectors

The Amphenol 1.6/5.6 connectors feature a snap-on mating face, which allows easy connection and disconnection.

This 75 ohm miniature connector series is ideal for use in the telecommunication industry.

For crimping the inner contact please use our Standard tool M22520/2-01 and Locator AC-POSITIONER K41.

### Electrical Specifications

|                                 |                                                                                   |
|---------------------------------|-----------------------------------------------------------------------------------|
| Impedance                       | 75 $\Omega$                                                                       |
| Frequency Range                 | 0 - 1 GHz                                                                         |
| VSWR                            | Straight Type $\leq 1.23$<br>Right angled Type $\leq 1.5$<br>Receptacles, etc N/A |
| Working Voltage                 | $\leq 330$ Vrms max at sea level                                                  |
| Dielectric Withstanding Voltage | $>1000$ Vrms at sea level                                                         |
| Contact Resistance              | Center Contact: $\leq 4$ m $\Omega$<br>Outer Contact: $\leq 2$ m $\Omega$         |
| Insulation Resistance           | $\geq 1000$ M $\Omega$                                                            |

### Material Specifications

|           |                                                                                                                                   |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------|
| Body      | Brass per QQ-B-626; Gold or Nickel                                                                                                |
| Contact   | Male Brass per QQ-B-626; Gold<br>Female Beryllium Copper per QQ-C-530; Gold<br>Outer Contacts Beryllium Copper per QQ-C-530; Gold |
| Insulator | PTFE per MIL-P-19468                                                                                                              |
| Ferrule   | Copper; Nickel                                                                                                                    |

\* Other plating finish available upon request

### Mechanical Specifications

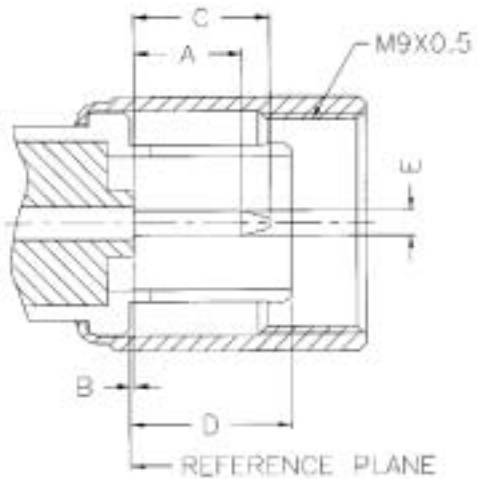
|                     |                                  |
|---------------------|----------------------------------|
| Contact Captivation | $>6$ lbs ( $>27$ N) axial force  |
| Durability          | $\geq 500$ mating cycles         |
| Cable Retention     |                                  |
| Small Size Cables   | $>15$ lbs ( $>60$ N) eg: RG179U  |
| Larger Size Cables  | $>35$ lbs ( $>150$ N) eg: BT3002 |

### Environmental Specifications

|                     |                                       |
|---------------------|---------------------------------------|
| Temperature         | -40C ~ +125C                          |
| Moisture Resistance | MIL-STD-202, Method 106               |
| Corrosion           | MIL-STD-202, Method 101 - Condition B |
| Vibration           | MIL-STD-202, Method 204 - Condition A |

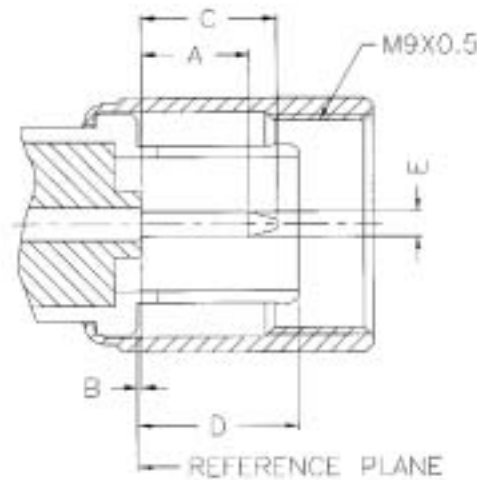
1.6/5.6 Coaxial Connectors

Interface mating dimensions



Plug

| Letter | Millimeters [inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| A      | 3.90 [.154]          | 4.30 [.169] |
| B      | -                    | 0.15 [.006] |
| C      | -                    | 5.50 [.217] |
| D      | -                    | 6.60 [.260] |
| E      | 1.00 [.039]          | 1.06 [.042] |



Jack

| Letter | Millimeters [Inches] |             |
|--------|----------------------|-------------|
|        | Minimum              | Maximum     |
| A      | 8.10 [.319]          | 8.25 [.325] |
| B      | 6.60 [.260]          | 6.69 [.263] |
| C      | -                    | 2.80 [.110] |
| D      | 0.25 [.010]          | -           |
| E      | 6.70 [.264]          | -           |
| F      | 7.00 [.276]          | 7.50 [.295] |
| G      | 9.70 [.382]          | -           |

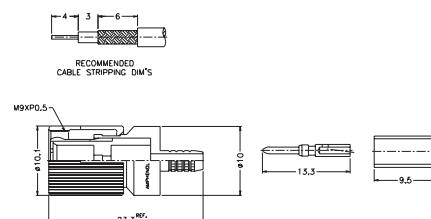
## Plug Crimp Attachment for Flexible Cable

### Straight Screw Plug Full Crimp

| P.N.           | Cable Group | Plt.   | Ins.   | Imp. | Tool Ferrule | Tool inner contact* |
|----------------|-------------|--------|--------|------|--------------|---------------------|
| 1561121AF-E06  | 6           | Nickel | Teflon | 75   | Ace-tool 1   | 5                   |
| 1561121AF-E16  | 16          | Nickel | Teflon | 75   | Ace-tool 3   | 5                   |
| 1561121AF-E16A | 16A         | Nickel | Teflon | 75   | Ace-tool 3   | 5**                 |
| 1561121AF-E20  | 20          | Nickel | Teflon | 75   | Ace-tool 2   | 5                   |
| 1561121AF-E21  | 21          | Nickel | Teflon | 75   | Ace-tool 2   | 6                   |
| 1561121A1-E22  | 22          | Nickel | Teflon | 75   | Ace-tool 3   | 5                   |
| 1561121A1-E23  | 23          | Nickel | Teflon | 75   | 55AR0052     | 6                   |
| 1561121AF-E24  | 24          | Nickel | Teflon | 75   | Ace-tool 1   | 6                   |
| 1561121AF-E25  | 25          | Nickel | Teflon | 75   | Ace-tool 7   | 6                   |

\*crimp instruction inner contact, locator adjust to:

\*\* (BT3002 to 3)



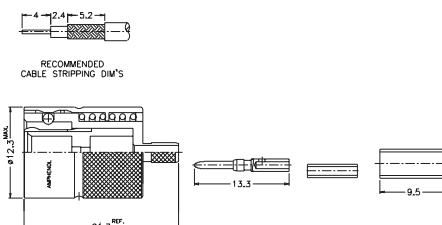
Assembly Instruction J - page 232

### Push Pull Straight Plug Full Crimp

| P.N.           | Cable Group | Plt.   | Ins.   | Imp. | Tool Ferrule | Tool inner contact* |
|----------------|-------------|--------|--------|------|--------------|---------------------|
| 1561121L1-E06  | 6           | Nickel | Teflon | 75   | Ace-tool 1   | 5                   |
| 1561121LF-E16  | 16          | Nickel | Teflon | 75   | Ace-tool 3   | 5                   |
| 1561121LF-E16A | 16A         | Nickel | Teflon | 75   | Ace-tool 3   | 5**                 |
| 1561121LF-E20  | 20          | Nickel | Teflon | 75   | Ace-tool 2   | 5                   |
| 1561121LF-E21  | 21          | Nickel | Teflon | 75   | Ace-tool 2   | 6                   |
| 1561121L1-E22  | 22          | Nickel | Teflon | 75   | Ace-tool 3   | 5                   |
| 1561121L1-E23  | 23          | Nickel | Teflon | 75   | 55AR0052     | 6                   |
| 1561121LF-E24  | 24          | Nickel | Teflon | 75   | Ace-tool 1   | 6                   |
| 1561121L1-E25  | 25          | Nickel | Teflon | 75   | Ace-tool 7   | 6                   |

\*crimp instruction inner contact, locator adjust to:

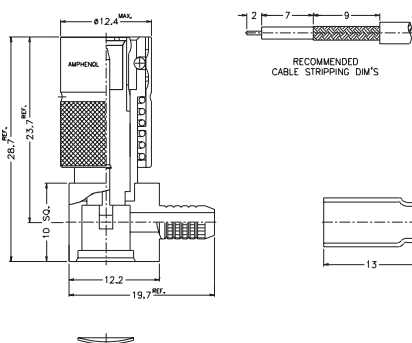
\*\* (BT3002 to 3)



Assembly Instruction J - page 232

### Push Pull Right Angled Plug Solder Crimp

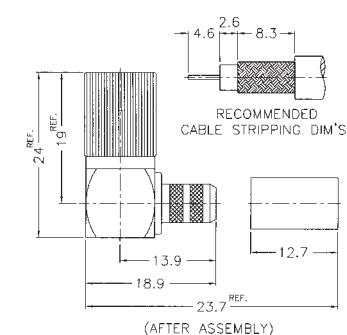
| P.N.           | Cable Group | Plt.   | Ins.   | Imp. | Tool Ferrule | Tool inner contact* |
|----------------|-------------|--------|--------|------|--------------|---------------------|
| 1561112L2-E06  | 6           | Nickel | Teflon | 75   | Ace-tool 1   | N/A                 |
| 1561112L1-E16  | 16          | Nickel | Teflon | 75   | Ace-tool 3   | N/A                 |
| 1561112L1-E16A | 16A         | Nickel | Teflon | 75   | Ace-tool 3   | N/A                 |
| 1561112L1-E20  | 20          | Nickel | Teflon | 75   | Ace-tool 2   | N/A                 |
| 1561112L1-E21  | 21          | Nickel | Teflon | 75   | Ace-tool 2   | N/A                 |
| 1561112L2-E22  | 22          | Nickel | Teflon | 75   | Ace-tool 3   | N/A                 |
| 1561112L1-E23  | 23          | Nickel | Teflon | 75   | 55AR0052     | N/A                 |
| 1561112L2-E24  | 24          | Nickel | Teflon | 75   | Ace-tool 1   | N/A                 |
| 1561112L1-E25  | 25          | Nickel | Teflon | 75   | Ace-tool 7   | N/A                 |



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### Right Angle Crimp Plug - Flexible Cable

| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| 1561112A1-N/3GT3G-6-75 | 06          | Gold | Teflon | 75   | 1          |
| 1561112A1-N/3GT3G-3-75 | 03          | Gold | Teflon | 75   | 4          |



Assembly Instruction I - page 231

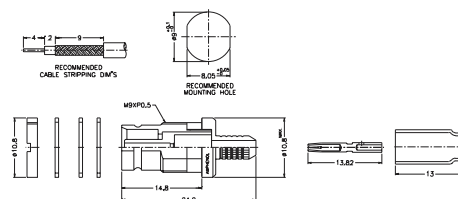
## Bulkhead Jack Crimp Attachment for Flexible Cable

### Bulkhead Receptacle Jack Full Crimp

| P.N.           | Cable Group | Plt. | Ins.   | Imp. | Tool Ferrule | Tool inner contact * |
|----------------|-------------|------|--------|------|--------------|----------------------|
| 1566421AF-E06  | 6           | Gold | Teflon | 75   | Ace-tool 1   | 5                    |
| 1566421AF-E16  | 16          | Gold | Teflon | 75   | Ace-tool 3   | 5                    |
| 1566421AF-E16A | 16A         | Gold | Teflon | 75   | Ace-tool 3   | 5**                  |
| 1566421AF-E20  | 20          | Gold | Teflon | 75   | Ace-tool 2   | 5                    |
| 1566421AF-E21  | 21          | Gold | Teflon | 75   | Ace-tool 7   | 6                    |
| 1566421AF-E22  | 22          | Gold | Teflon | 75   | Ace-tool 3   | 5                    |
| 1566421A1-E23  | 23          | Gold | Teflon | 75   | 55AR0052     | 6                    |
| 1566421AF-E24  | 24          | Gold | Teflon | 75   | Ace-tool 1   | 6                    |
| 1566421AF-E25  | 25          | Gold | Teflon | 75   | Ace-tool 7   | 6                    |

\*crimp instruction inner contact, locator adjust to:

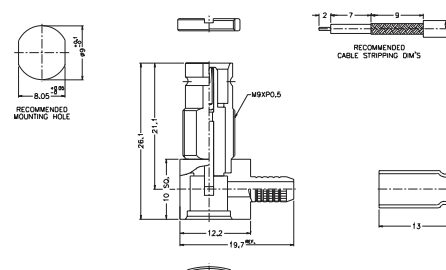
\*\* (BT3002 to 3)



Assembly Instruction J - page 232

### Bulkhead Right Angled Receptacle Solder Crimp

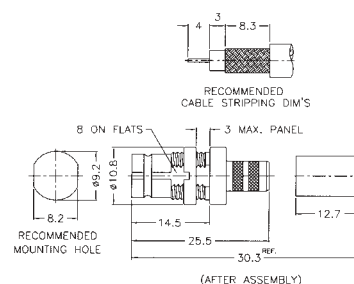
| P.N.           | Cable Group | Plt.   | Ins.   | Imp. | Tool Ferrule | Tool inner contact* |
|----------------|-------------|--------|--------|------|--------------|---------------------|
| 1566412AF-E06  | 6           | Nickel | Teflon | 75   | Ace-tool 1   | N/A                 |
| 1566412A1-E16  | 16          | Nickel | Teflon | 75   | Ace-tool 3   | N/A                 |
| 1566412AF-E16A | 16A         | Nickel | Teflon | 75   | Ace-tool 3   | N/A                 |
| 1566412A1-E20  | 20          | Nickel | Teflon | 75   | Ace-tool 2   | N/A                 |
| 1566412AF-E21  | 21          | Nickel | Teflon | 75   | Ace-tool 7   | N/A                 |
| 1566412A1-E22  | 22          | Nickel | Teflon | 75   | Ace-tool 3   | N/A                 |
| 1566412A1-E23  | 23          | Nickel | Teflon | 75   | 55AR0052     | N/A                 |
| 1566412A1-E24  | 24          | Nickel | Teflon | 75   | Ace-tool 1   | N/A                 |
| 1566412A1-E25  | 25          | Nickel | Teflon | 75   | Ace-tool 7   | N/A                 |



Assembly Instruction I - page 231

### Straight Bulkhead Crimp Jack - Flexible Cable

| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| 1566421A1-N/3GT3G-6-75 | 06          | Gold | Teflon | 75   | 1          |
| 1566421A1-N/3GT3G-3-75 | 03          | Gold | Teflon | 75   | 4          |

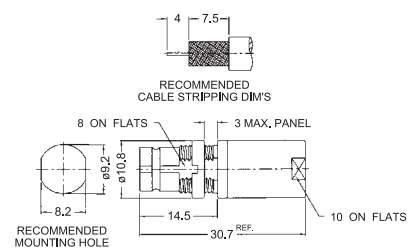


Assembly Instruction J - page 232

## Jack Bulkhead Clamp Attachment for Flexible Cable

### Straight Bulkhead Clamp Jack - Flexible Cable

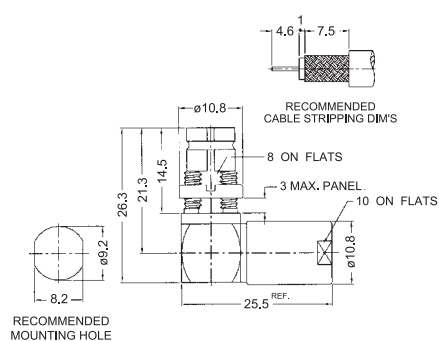
| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| 1566441A1-N/3GT3G-6-75 | 06          | Gold | Teflon | 75   | N/A        |
| 1566441A1-N/3GT3G-3-75 | 03          | Gold | Teflon | 75   | N/A        |



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### Right Angle Bulkhead Clamp jack - Flexible Cable

| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| 1566442A1-N/3GT3G-6-75 | 06          | Gold | Teflon | 75   | N/A        |
| 1566442A1-N/3GT3G-3-75 | 03          | Gold | Teflon | 75   | N/A        |

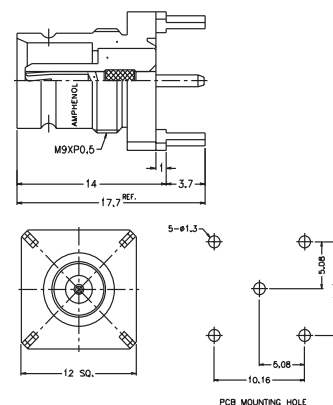


Assembly Instruction Y - page 247

## Printed Circuit Board Connectors

### Straight PCB Receptacle

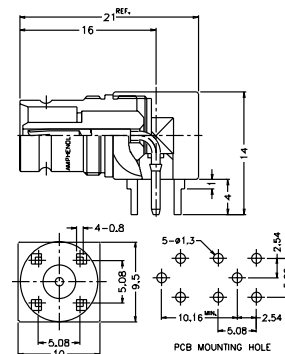
| P.N.          | Cable Group | Plt. | Ins.   | Imp. | Tool Ferrule | Tool inner contact* |
|---------------|-------------|------|--------|------|--------------|---------------------|
| 1566251AF-ES1 | N/A         | Gold | Teflon | 75   | N/A          | N/A                 |
| 1566251M1-ES2 | N/A         | Gold | Teflon | 75   | N/A          | N/A                 |
| 1566251AF-ES3 | N/A         | Gold | Teflon | 75   | N/A          | N/A                 |



## Printed Circuit Board Connectors

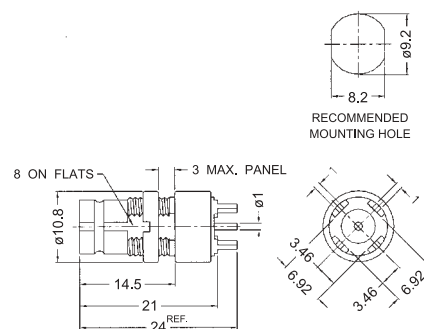
### Right Angled PCB Receptacle

| P.N.          | Cable Group | Plt. | Ins.   | Imp. | Tool Ferrule | Tool inner contact* |
|---------------|-------------|------|--------|------|--------------|---------------------|
| 1566252AF-ER1 | N/A         | Gold | Teflon | 75   | N/A          | N/A                 |
| 1566252AF-ER2 | N/A         | Gold | Teflon | 75   | N/A          | N/A                 |



### Straight Bulkhead Jack for P.C. Board

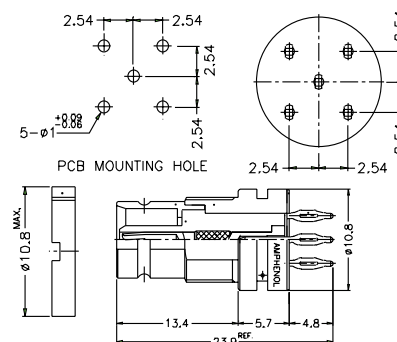
| P.N.                 | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|------|--------|------|------------|
| 1566251M1-N/3GT3G-75 | N/A         | Gold | Teflon | 75   | N/A        |



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### Straight Press fit jack

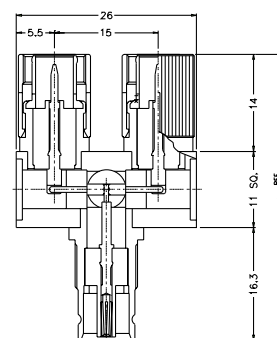
| P.N.          | Cable Group | Plt. | Ins.   | Imp. | Tool Ferrule | Tool inner contact* |
|---------------|-------------|------|--------|------|--------------|---------------------|
| 1566251PF-ES1 | N/A         | Gold | Teflon | 75   | N/A          | N/A                 |
| 1566251PF-ES2 | N/A         | Gold | Teflon | 75   | N/A          | N/A                 |
| 1566251PF-ES3 | N/A         | Gold | Teflon | 75   | N/A          | N/A                 |
| 1566251PF-ES4 | N/A         | Gold | Teflon | 75   | N/A          | N/A                 |



## In-Series Adapters

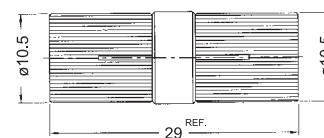
### Adapters / U-Link

| P.N.          | Cable Group | Plt.   | Ins.   | Imp. | Tool Ferrule | Tool inner contact* |
|---------------|-------------|--------|--------|------|--------------|---------------------|
| 1562076A2-P15 | N/A         | Nickel | Teflon | 75   | N/A          | N/A                 |
| 1564077A3-P15 | N/A         | Nickel | Teflon | 75   | N/A          | N/A                 |
| 1562076A2-P30 | N/A         | Nickel | Teflon | 75   | N/A          | N/A                 |



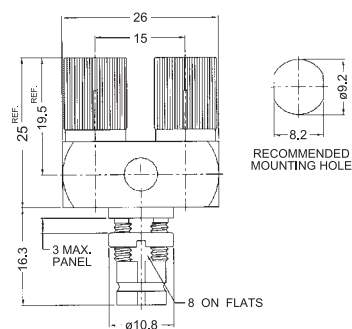
### Plug-to-Plug Adapter

| P.N.                 | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|------|--------|------|------------|
| 1562071A1-N/3GT3G-75 | N/A         | Gold | Teflon | 75   | N/A        |



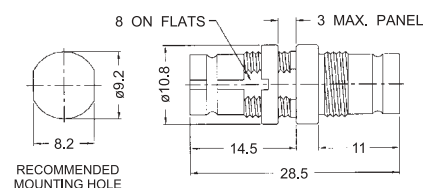
### Plug-to-Jack-to-Plug 'Y' Link Adapter

| P.N.                 | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|------|--------|------|------------|
| 1564077A1-N/3GT3G-75 | N/A         | Gold | Teflon | 75   | N/A        |



### Jack-to-Jack Bulkhead Adapter

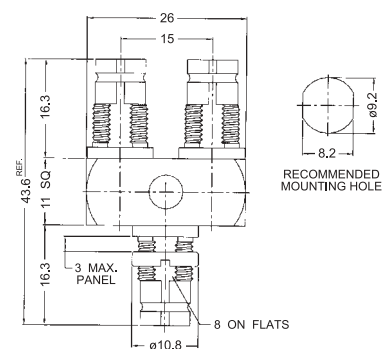
| P.N.                 | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|------|--------|------|------------|
| 1567471A1-N/3GT3G-75 | N/A         | Gold | Teflon | 75   | N/A        |



## In-Series Adapters

### Jack-to-Jack-to-Jack 'Y' Link Adapter

| P.N.                 | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|------|--------|------|------------|
| 1568077A1-N/3GT3G-75 | N/A         | Gold | Teflon | 75   | N/A        |



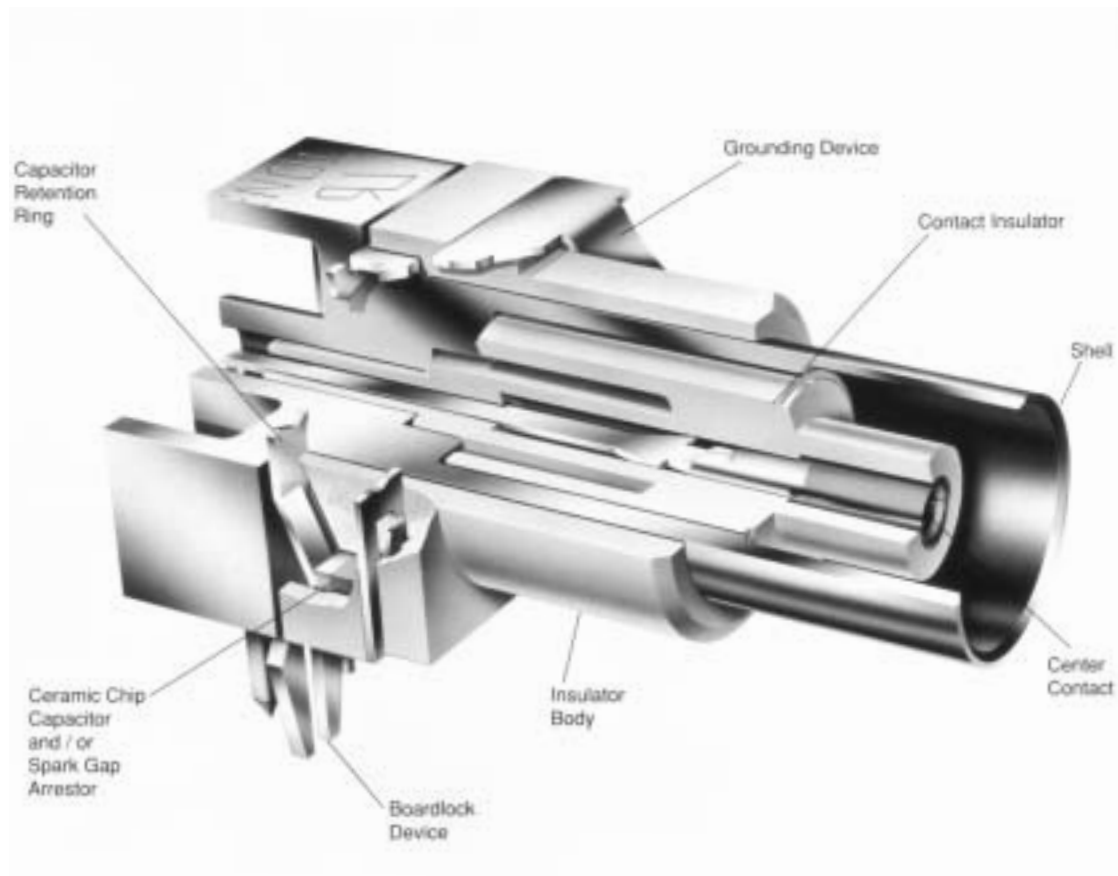
Amphenol's 456 Series of RF connectors provides capacitive decoupling between the connector body and the mounting panel. EMI on the coaxial shield is shunted to the chassis ground through capacitors, while not affecting the DC and power supply frequencies. This reduces ground loop problems and provides a mechanism to harmlessly dissipate ESD to chassis ground. The RF parameters of these connectors are the same as their non-filtered counterparts. Filtering does not affect the signal contact, but only the shell-to-ground connection. Capacitively decoupled RF-connectors are intermateable and interchangeable with standard non-filtered versions

Electrical Specifications

|                                                                      |                                   |    |
|----------------------------------------------------------------------|-----------------------------------|----|
| Capacitance                                                          | 10.000 pF                         |    |
| Volting rating                                                       | 200VDC                            |    |
| Dielectric withstanding voltage                                      | 600 VDC (1000 VDC for rear Mount) |    |
| Filter insurtion loss (dB)<br>(per Mil-STD-220<br>@25 C and no load) | 1 MHZ                             | 4  |
|                                                                      | 5 MHZ                             | 16 |
|                                                                      | 10 MHZ                            | 18 |
|                                                                      | 30 MHZ                            | 25 |
|                                                                      | 50 MHZ                            | 30 |
|                                                                      | 1000 MHZ                          | 30 |
| Other capacitance values are available. Consult Amphenol.            |                                   |    |

Mechanical Specifications

|             |         |                  |             |
|-------------|---------|------------------|-------------|
| Parts Name  |         | Material         | Finish      |
| Center      | Male    | Brass            | Gold plated |
|             | Female  | Beryllium Copper | Gold plated |
| Metal parts |         | Brass            | Nickel      |
| Insulators  |         | Noryl or Teflon  | None        |
| UL File #   | E135615 |                  |             |
| CSA File #  | LR68598 |                  |             |



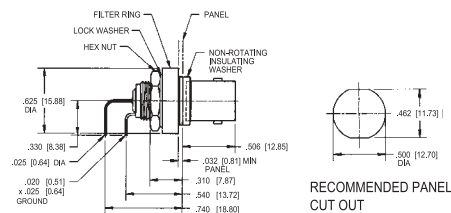
## Printed Circuit Board Connectors

### Right Angle P.C. Board Front Mount BNC Jack

| P.N.    | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------|-------------|--------|--------|------|------------|
| 456-107 | N/A         | Nickel | Teflon | 75   | N/A        |

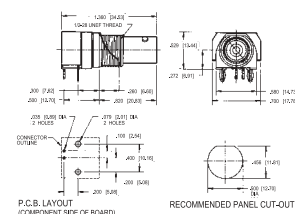
Front mount BNC packaging consist of connector, insulating washer, filter ring, lock washer and hex nut.

Remark: Consult Amphenol for 50 Ohm version.



### Right Angle P.C. Board Rear mount BNC Jack

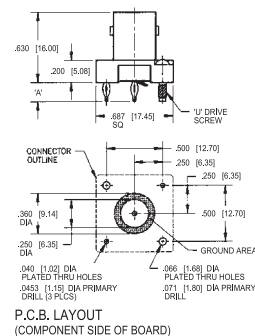
| P.N.                                                          | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------------------------------------------------|-------------|--------|--------|------|------------|
| 456-117<br>Filtered (10.000 pF)                               | N/A         | Nickel | Teflon | 50   | N/A        |
| 456-717<br>Filtered (10.000 pF)                               | N/A         | Nickel | Teflon | 75   | N/A        |
| 456-117S<br>Filtered (5000 pF), 1000V Spark gap               | N/A         | Nickel | Teflon | 50   | N/A        |
| 456-717S<br>Filtered (5000 pF), 1000V Spark gap               | N/A         | Nickel | Teflon | 75   | N/A        |
| 456-117F<br>Filtered (5000 pF), 1000V Spark Gap, 1M Resistor  | N/A         | Nickel | Teflon | 50   | N/A        |
| 456-717F<br>Filtered (5000 pF), 1000V Spark Gap, 1M Resistor  | N/A         | Nickel | Teflon | 75   | N/A        |
| 456-117G<br>Grounded                                          | N/A         | Nickel | Teflon | 50   | N/A        |
| 456-717G<br>Grounded                                          | N/A         | Nickel | Teflon | 50   | N/A        |
| 456-117NF<br>Non-Filtered, Panel Insulated (no ground spring) | N/A         | Nickel | Teflon | 50   | N/A        |
| 456-717NF<br>Non-Filtered, Panel Insulated (no ground spring) | N/A         | Nickel | Teflon | 75   | N/A        |



### Straight P.C. Board Mount BNC Jack

| P.N.                                                                         | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|------------------------------------------------------------------------------|-------------|--------|--------|------|------------|
| 456-107A<br>Filtered, Board Thickness 3.18mm (.125), "A" 4.32mm (.170)       | N/A         | Nickel | Teflon | 75   | N/A        |
| 456-107ANF<br>Non-Filtered, Board Thickness 3.18mm (.125), "A" 4.32mm (.170) | N/A         | Nickel | Teflon | 75   | N/A        |
| 456-107B<br>Filtered, Board Thickness 5.08mm (.200), "A" 6.48mm (.255)       | N/A         | Nickel | Teflon | 75   | N/A        |
| 456-107BNF<br>Non-Filtered, Board thickness 5.08mm (.200), "A" 6.48mm (.255) | N/A         | Nickel | Teflon | 75   | N/A        |

Remark: Consult Amphenol for 50 Ohm version.

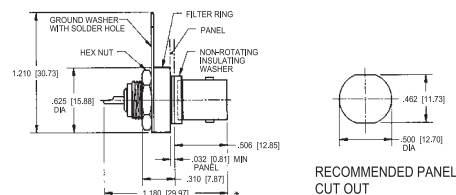


# Bulkhead Jack Attachment for Flexible Cable

## Bulkhead Receptacle Jack - Front Mount - Solder Cup

| P.N.      | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|-----------|-------------|--------|--------|------|------------|
| 456-107SG | N/A         | Nickel | Teflon | 50   | N/A        |
| 456-107TG | N/A         | Nickel | Teflon | 75   | N/A        |

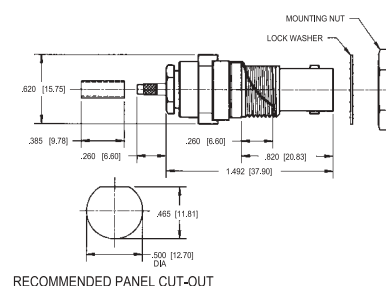
Front Mount BNC packaging consist of connector, insulator, insulating washer, filter ring, ground washer and hex nut.



## Bulkhead receptacle BNC Jack - Rear Mount - Crimp

| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| 456-208              | 06          | Nickel | Teflon | 50   | 2          |
| Filtered (10.000 pF) | 06          | Nickel | Teflon | 75   | 2          |
| 456-218              | 06          | Nickel | Teflon | 75   | 2          |
| Filtered (10.000 pF) | 06          | Nickel | Teflon | 50   | 2          |
| 456-208G             | 06          | Nickel | Teflon | 75   | 2          |
| Grounded             | 06          | Nickel | Teflon | 75   | 2          |
| 456-218G             | 06          | Nickel | Teflon | 75   | 2          |
| Grounded             | 06          | Nickel | Teflon | 75   | 2          |

Remark: Also available with Spark gap and / or resistor.  
Other Cable Sizes Available.

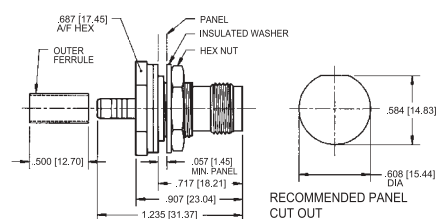


## Bulkhead Receptacle TNC Jack - rear Mount - Crimp

| P.N.                | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|---------------------|-------------|--------|--------|------|------------|
| 456-102             | 01          | Nickel | Teflon | 50   | 3 or 4     |
| Filtered (10.000pF) | 01          | Nickel | Teflon | 75   | 3 or 4     |

Packaging consist of connector, mounting hardware, panel insulator, crimp ferrule and heat shrink tubing.

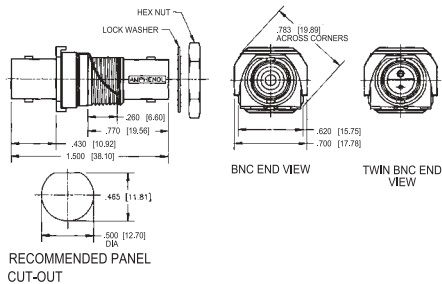
Remark: Consult Amphenol for 75 Ohm version.



# In-Series Adapters

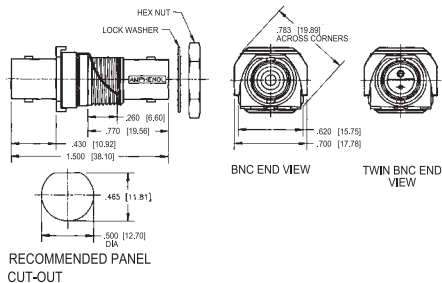
## Jack-to-Jack BNC Adapter

| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| 456-915              | N/A         | Nickel | Teflon | 50   | N/A        |
| Filtered (10.000 pF) | N/A         | Nickel | Teflon | 75   | N/A        |
| 456-917              | N/A         | Nickel | Teflon | 75   | N/A        |
| Filtered (10.000 pF) | N/A         | Nickel | Teflon | 75   | N/A        |



## Jack-to-Jack Twin BNC Adapter

| P.N.                 | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|----------------------|-------------|--------|--------|------|------------|
| 456-920              | N/A         | Nickel | Teflon |      | N/A        |
| Filtered (10.000 pF) | N/A         | Nickel | Teflon |      | N/A        |



Note:

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Amphenol SSMB Serie is a 4 Ghz interconnect family for high frequency devices.

The connectors use a snap-on connection and when plugged held together by a groove and tongue arrangement.

The design permits quick connection and disconnection in small spaces.

#### Electrical Specifications

|                                 |                                                                       |
|---------------------------------|-----------------------------------------------------------------------|
| Impedance                       | 50 ohm                                                                |
| Frequency Range                 | 0-4 GHz                                                               |
| Working Voltage                 | RG- 178, RG- 316, .85": 250 VRMS max. at sea level                    |
| Dielectric Withstanding Voltage | RG-178, RG-316, .85": 500 VRMS min. at sea level                      |
| VSWR                            | Straight 1.3 max.<br>Right Angle 1.5 max.                             |
| Contact Resistance              | Center Contact: 6 Milliohms max.<br>Outer Contact: 2.5 Milliohms max. |
| Insulator Resistance            | 1000 Megohms min.                                                     |

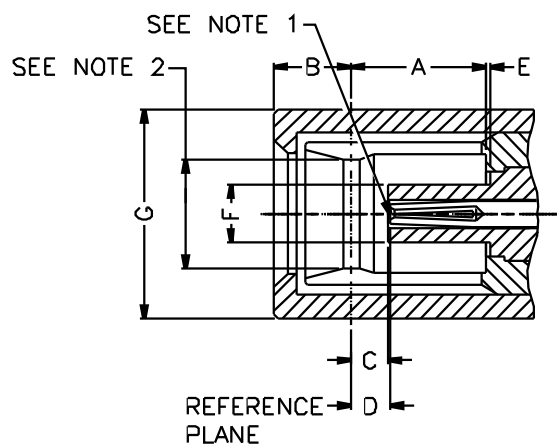
#### Material Specifications

| Parts Name            |        | Material                       | Finish                         |
|-----------------------|--------|--------------------------------|--------------------------------|
| Body, Metal Parts     |        | Brass per QQ-B-626             | Nickel or Gold per requirement |
| Outer Contact Of Plug |        | Beryllium copper, per QQ-C-530 | Gold plated                    |
| Center Contacts       | Male   | Brass per QQ-B-626             | Gold plated                    |
|                       | Female | Beryllium copper, per QQ-C-530 | Gold plated                    |
| Insulators            |        | PTFE                           | None                           |
| Crimp Ferrules        |        | Annealed copper                | Nickel or Gold per requirement |

#### Mechanical Specifications

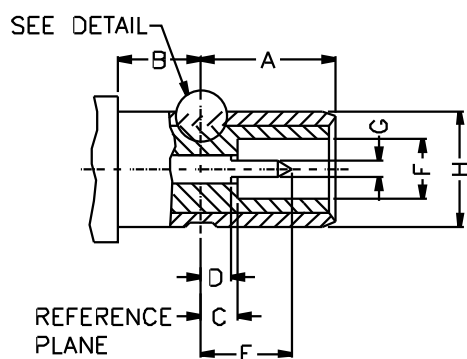
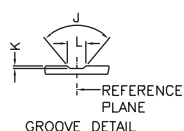
|                     |                 |
|---------------------|-----------------|
| Engagement Force    | 6 lbs. Max.     |
| Disengagement Force | 2 lbs. min.     |
| Contact Retention   | 2 lbs. min.     |
| Durability (Mating) | 500 cycles min. |

## Interface mating dimensions



## Plug

| Letter | Millimeters |         |
|--------|-------------|---------|
|        | Minimum     | Maximum |
| A      | 3.10        | -       |
| B      | -           | 1.78    |
| C      | 0.84        | -       |
| D      | 0.84        | -       |
| E      | 0.00        | -       |
| F      | -           | 1.34    |
| G      | -           | 4.82    |



## Jack

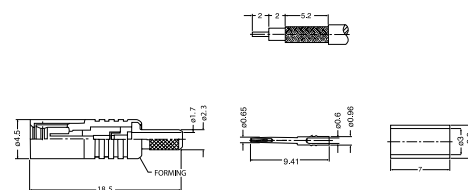
| Letter | Millimeters |            |
|--------|-------------|------------|
|        | Minimum     | Maximum    |
| A      | -           | 3.10       |
| B      | 1.91        | -          |
| C      | -           | 0.84       |
| D      | -           | 0.84       |
| E      | 2.10        | -          |
| F      | 1.37        | -          |
| G      | 0.35        | 0.38       |
| H      | -           | 2.67       |
| J      | 89 degrees  | 91 degrees |
| K      | 0.05        | 0.15       |
| L      | 0.71        | 0.74       |

## Crimp Attachment for Flexible Cable

### Straight Crimp Plug - Miniature Cable

| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| SSMB6121A1-3GT30G-5-50 | 05          | Gold | Teflon | 50   | 1          |

Note: Female center contact

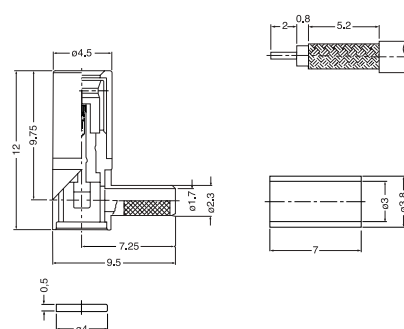


Assembly Instruction J - page 232

### Right Angle Crimp Plug - Miniature Cable

| P.N.                     | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------------|-------------|--------|--------|------|------------|
| SSMB6112A1-N/3GT30G-5-50 | 05          | Nickel | Teflon | 50   | 1          |

Note: Female center contact

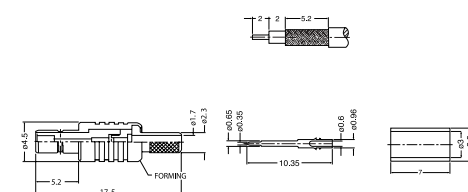


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### Straight Crimp Jack - Miniature Cable

| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| SSMB1121A1-3GT30G-5-50 | 05          | Gold | Teflon | 50   | 1          |

Note: Male center contact

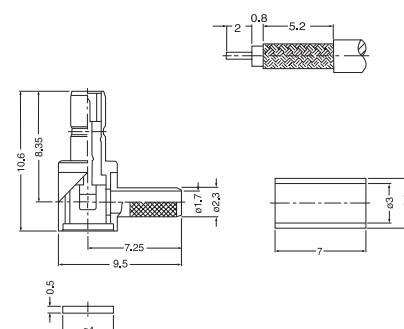


Assembly Instruction J - page 232

### Right Angle crimp Jack - Miniature Cable

| P.N.                     | Cable Group | Plt.   | Ins.   | Imp. | Crimp Tool |
|--------------------------|-------------|--------|--------|------|------------|
| SSMB1112A1-N/3GT30G-5-50 | 05          | Nickel | Teflon | 50   | 1          |

Note: Male center contact

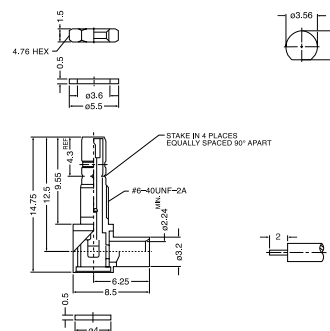


Assembly Instruction I - page 231

## Jack Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

### Direct Solder Jack - Semi-Rigid Cable

| P.N.                    | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------------|-------------|------|--------|------|------------|
| SSMB1482A1-3GT30G-11-50 | 11          | Gold | Teflon | 50   | N/A        |

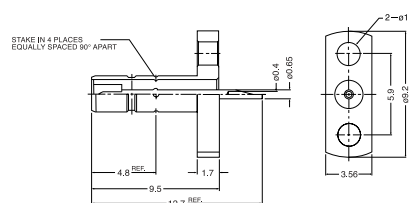


Note: Male center contact

Assembly Instruction F - page 228

## Panel Mount Solder Receptacle Jack

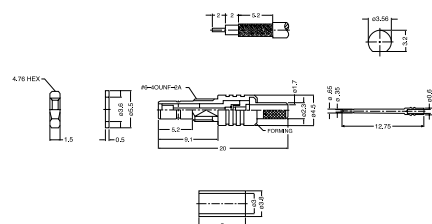
| P.N.              | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|-------------------|-------------|------|--------|------|------------|
| SSMB1551B1-3GT30G | N/A         | Gold | Teflon | 50   | N/A        |



Note: Male center contact

## Bulkhead Crimp Jack - Miniature Cable

| P.N.                   | Cable Group | Plt. | Ins.   | Imp. | Crimp Tool |
|------------------------|-------------|------|--------|------|------------|
| SSMB1421A1-3GT30G-5-50 | 05          | Gold | Teflon | 50   | 1          |



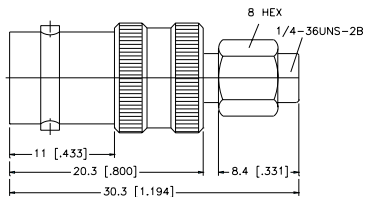
Note: Male center contact

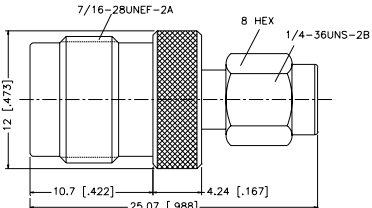
Assembly Instruction J - page 232

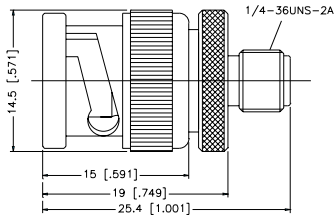
**Amphenol Between Series Adapters are used to join two connectors of different series. They are designed to offer the lowest VSWR rating of the two series involved. Here is a listing of all adapters shown in this section. In-series adapters can be found at the end of each series listed.**

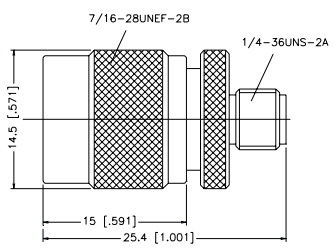
| Description                      | P.N.                  | page | Description                                           | P.N.               | page |
|----------------------------------|-----------------------|------|-------------------------------------------------------|--------------------|------|
| SMA Plug to BNC Jack             | SMAM-BF-NT3G-50       | 208  | N Jack to BNC Jack                                    | NF-BF-NT3G-50      | 212  |
| SMA Jack to BNC Plug             | SMAF-BM-3GT3G-50      | 208  | N Plug to BNC Plug                                    | OS-7051-NDG        | 212  |
| SMA Jack to BNC Jack             | SMAF-BF3-NT3G-50      | 208  | N Plug to TNC Jack                                    | OS-7328-NDG        | 212  |
| SMA Plug to BNC Plug             | SMAM-BM-NT3G-50       | 208  | N Jack to TNC Plug                                    | NF-TM-NT3G-50      | 212  |
| SMA Plug to TNC Jack             | SMAM-TF-NT3G-50       | 208  | N Jack to TNC Jack                                    | OS-7334-NTN        | 213  |
| SMA Jack to TNC Plug             | SMAF-TM-NT3G-50       | 208  | N Plug to TNC Plug                                    | NM-TM1-NT3G-50     | 213  |
| SMA Plug to TNC Plug             | SMAM-TM-NT3G-50       | 208  | N Jack to TNC Female                                  | NF-TF2-NT3G-50     | 213  |
| SMA Jack to TNC Jack             | SMAF-TF-NT3G-50       | 208  | N Jack to F Jack                                      | OS-7249-NDG        | 213  |
| SMA Plug to SMB Plug             | SMAM-SMBM1-3GT50G-50  | 209  | N Jack to F Plug                                      | NF-FM2-NT3G-75     | 213  |
| SMA Jack to SMB Plug             | SMAF-SMBF1-3GT50G-50  | 209  | N Plug to 7/16 Jack                                   | NM -716F-120STS-50 | 213  |
| SMA Plug to SMB Jack             | SMAM-SMBF-3GT50G-50   | 209  | N Jack to 7/16 Plug                                   | NF -716M-120STS-50 | 213  |
| SMA Jack to SMB Plug             | SMAF-SMBM1-3GT50G-50  | 209  | N Jack to 7/16 Jack                                   | NF -716F-120STS-50 | 213  |
| N Jack to SMA Plug               | NF-SMAM-NT3G-50       | 209  | N Plug to 7/16 Plug                                   | NM -716M-120STS-50 | 214  |
| N Plug to SMA Jack               | NM-SMAF-NT3G-50       | 209  | N Plug to UHF Jack                                    | OS-7330-NDG        | 214  |
| N Plug to SMA Plug               | NM-SMAM-NT3G-50       | 209  | BNC Plug to SMB Jack                                  | BM-SMBF-3GT3G-50   | 214  |
| N Jack to SMA Jack               | NF-SMAF-NT3G-50       | 209  | BNC Plug to SMB Plug                                  | BM-SMBM-NT3G-50    | 214  |
| N Jack to SMA Jack               | NF-SMAF2-NT3G-50      | 210  | BNC Plug to TNC Jack                                  | BM-TF1-NT3G-50     | 214  |
| SMA Plug to UHF Jack             | SMAM-UF-NT3G-50       | 210  | BNC Jack to TNC Plug                                  | BF-TM-NT3G-50      | 214  |
| SMA Jack to UHF Plug             | SMAF-UM-NT3G-50       | 210  | BNC Jack to TNC Jack                                  | BF-TF1-NT3G-50     | 214  |
| SMA Plug to UHF Plug             | SMAM-UM-NT3G-50       | 210  | BNC Plug to TNC Plug                                  | BM-TM1-NT3G-50     | 214  |
| SMA Jack to UHF Jack             | SMAF-UF-NT3G-50       | 210  | BNC Plug to UHF Jack                                  | OS-7060-NDG        | 215  |
| SMA Plug to MINI-UHF Jack        | SMAM-MUF-NT3G-50      | 210  | BNC Plug to F Jack                                    | OS-7050-NDG        | 215  |
| SMA Jack to MINI-UHF Plug        | SMAF-MUM-NT3G-50      | 210  | BNC Plug to UHF Plug                                  | OS-7059-NDG        | 215  |
| SMA Plug to MINI UHF Plug        | SMAM-MUM-NT3G-50      | 210  | MINI-UHF Plug to UHF Jack                             | OS-7610-NDG        | 215  |
| SMA Jack to MINI-UHF Jack        | SMAF-MUF-NT3G-50      | 211  | Bulkhead Right Angle TNC Female to MCX Female Adapter | TF-L-MCXF-NT3G-50  | 215  |
| SMA Plug to MCX Jack             | SMAM-MCXF1-3GT50G-50  | 211  | Nipple Plug to BNC Plug                               | BM-FMEM-NDS-50     | 215  |
| SMA Jack to MCX Plug             | SMAF-MCXM1-3GT50G-50  | 211  | Nipple Plug to BNC Plug                               | TM-FMEM-NDS-50     | 215  |
| SMA Plug to MCX Plug             | SMAM-MCXM1-3GT50G-50  | 211  | Right Angle Adapter - Nipple Plug to BNC Plug         | BM-L-FMEM-NT3G-50  | 215  |
| SMA Jack to MCX Jack             | SMAF-MCXF1-3GT50G-50  | 211  | Right Angle Adapter - Nipple Plug to TNC Plug         | TM-L-FMEM-NT3G-50  | 216  |
| SMA Plug to MMCX Jack            | SMAM-MMCXF1-3GT50G-50 | 211  | Nipple Plug to Mini - UHF Plug                        | FMEM-MUM-NDS-50    | 216  |
| SMA Jack to MMCX Plug            | SMAF-MMCXM1-3GT50G-50 | 211  | Nipple Plug to N Plug                                 | FME2071N1-NTS-50   | 216  |
| SMA Jack (reversed) to MMCX Plug | RSMAM-MMCXM-3GT50G-50 | 211  | Nipple Plug to UHF Plug                               | FMEM-UM-NTS-50     | 216  |
| SMA Plug to MMCX Plug            | SMAM-MMCXM1-3GT50G-50 | 212  | Nipple Plug to SMA Jack                               | SMAF-FMEM-NT3G-50  | 216  |
| SMA Jack to MMCX Jack            | SMAF-MMCXF1-NT3G-50   | 212  | Nipple Plug to SMA Plug                               | SMAM-FMEM-NT3G-50  | 216  |
| N Plug to BNC Jack               | OS-7324-NDG           | 212  | Nipple Plug to MCX Plug                               | FMEM-MCXM-NT3G-50  | 216  |
| N Jack to BNC Plug               | NF-BM-NT3G-50         | 212  |                                                       |                    |      |

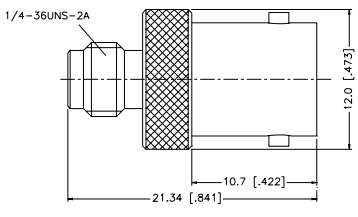
## Between Series Adapters

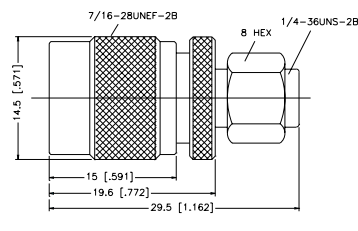
| P.N.                                                                                                                                                                | Description          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| SMAM-BF-NT3G-50                                                                                                                                                     | SMA Plug to BNC Jack |
|   |                      |

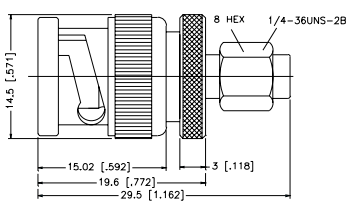
| P.N.                                                                                                                                                                   | Description          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| SMAM-TF-NT3G-50                                                                                                                                                        | SMA Plug to TNC Jack |
|   |                      |

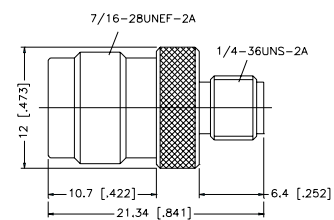
| P.N.                                                                                                                                                                  | Description          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| SMAF-BM-3GT3G-50                                                                                                                                                      | SMA Jack to BNC Plug |
|   |                      |

| P.N.                                                                                                                                                                     | Description          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| SMAF-TM-NT3G-50                                                                                                                                                          | SMA Jack to TNC Plug |
|   |                      |

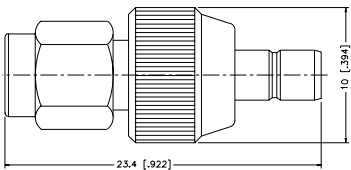
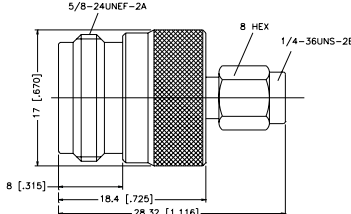
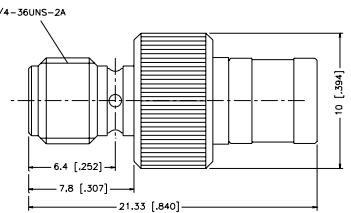
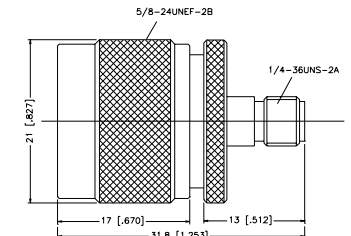
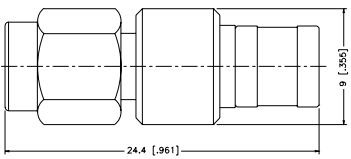
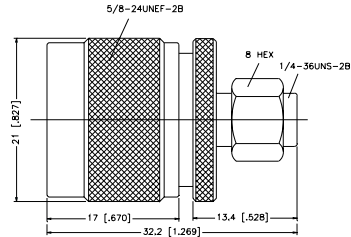
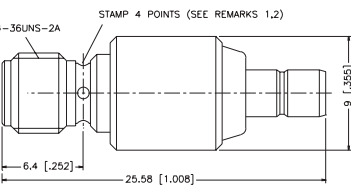
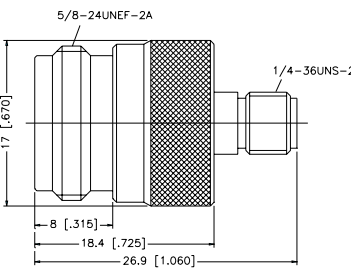
| P.N.                                                                                                                                                                    | Description          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| SMAF-BF3-NT3G-50                                                                                                                                                        | SMA Jack to BNC Jack |
|   |                      |

| P.N.                                                                                                                                                                       | Description          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| SMAM-TM-NT3G-50                                                                                                                                                            | SMA Plug to TNC Plug |
|   |                      |

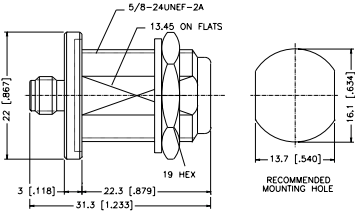
| P.N.                                                                                                                                                                    | Description          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| SMAM-BM-NT3G-50                                                                                                                                                         | SMA Plug to BNC Plug |
|   |                      |

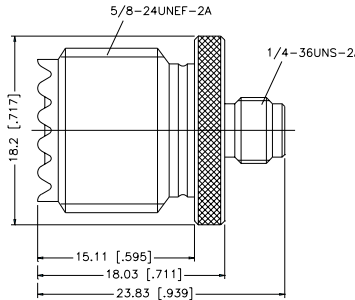
| P.N.                                                                                                                                                                       | Description          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| SMAF-TF-NT3G-50                                                                                                                                                            | SMA Jack to TNC Jack |
|   |                      |

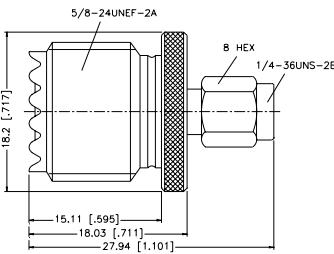
# Between Series Adapters

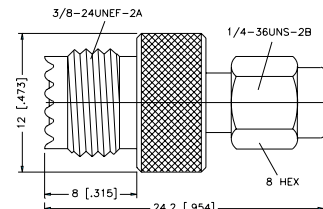
| P.N.                                                                                | Description                                                                         | P.N.                                                                                 | Description                                                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| SMAM-SMBM1-3GT50G-50                                                                | SMA Plug to SMB Plug                                                                | NF-SMAM-NT3G-50                                                                      | N Jack to SMA Plug                                                                    |
|    |    |    |    |
| SMAM-SMBF1-3GT50G-50                                                                | SMA Jack to SMB Plug                                                                | NM-SMAF-NT3G-50                                                                      | N Plug to SMA Jack                                                                    |
|   |   |   |   |
| SMAM-SMBF1-3GT50G-50                                                                | SMA Plug to SMB Jack                                                                | NM-SMAM-NT3G-50                                                                      | N Plug to SMA Jack                                                                    |
|  |  |  |  |
| SMAM-SMBM1-3GT50G-50                                                                | SMA Jack to SMB Plug                                                                | NF-SMAF-NT3G-50                                                                      | N Jack to SMA Jack                                                                    |
|  |  |  |  |

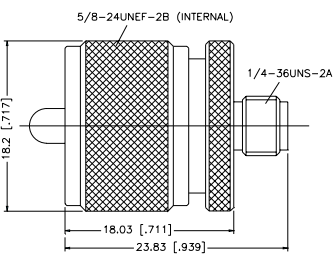
## Between Series Adapters

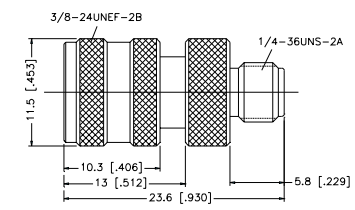
| P.N.                                                                                                                                                                | Description        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| NF-SMAF2-NT3G-50                                                                                                                                                    | N Jack to SMA Jack |
|   |                    |

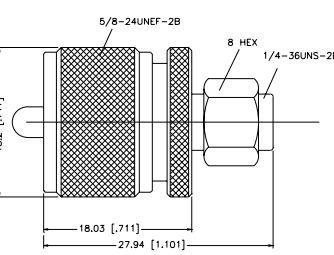
| P.N.                                                                                                                                                                   | Description          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| SMAF-UF-NT3G-50                                                                                                                                                        | SMA Jack to UHF Jack |
|   |                      |

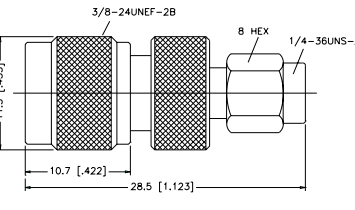
| P.N.                                                                                                                                                                  | Description          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| SMAM-UF-NT3G-50                                                                                                                                                       | SMA Plug to UHF Jack |
|   |                      |

| P.N.                                                                                                                                                                     | Description               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| SMAM-MUF-NT3G-50                                                                                                                                                         | SMA Plug to MINI-UHF Jack |
|   |                           |

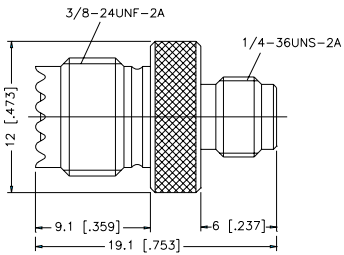
| P.N.                                                                                                                                                                    | Description          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| SMAF-UM-NT3G-50                                                                                                                                                         | SMA Jack to UHF Plug |
|   |                      |

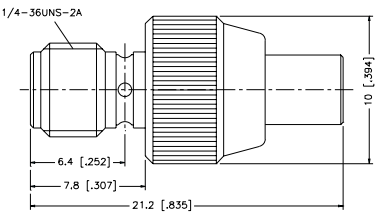
| P.N.                                                                                                                                                                       | Description               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| SMAF-MUM-NT3G-50                                                                                                                                                           | SMA Jack to MINI-UHF Plug |
|   |                           |

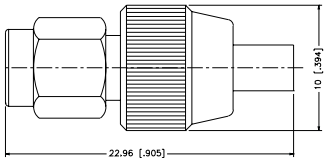
| P.N.                                                                                                                                                                    | Description          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| SMAM-UM-NT3G-50                                                                                                                                                         | SMA Plug to UHF Plug |
|   |                      |

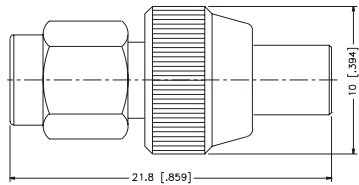
| P.N.                                                                                                                                                                       | Description               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| SMAM-MUM-NT3G-50                                                                                                                                                           | SMA Plug to MINI UHF Plug |
|   |                           |

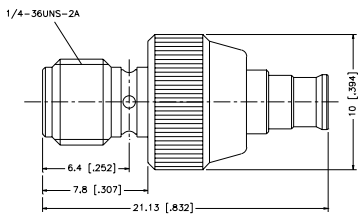
## Between Series Adapters

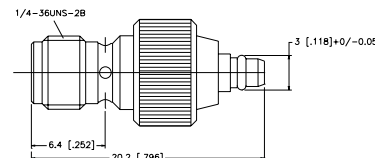
| P.N.                                                                              | Description                                                                       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| SMAF-MUF-NT3G-50                                                                  | SMA Jack to MINI-UHF Jack                                                         |
|  |  |

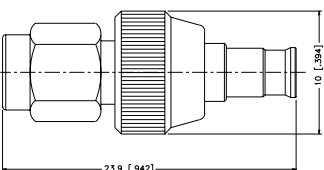
| P.N.                                                                               | Description                                                                         |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SMAF-MCXF1-3GT50G-50                                                               | SMA Jack to MCX Jack                                                                |
|  |  |

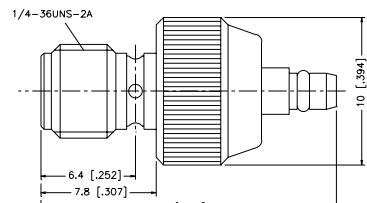
| P.N.                                                                               | Description                                                                        |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| SMAM-MCXF1-3GT50G-50                                                               | SMA Plug to MCX Jack                                                               |
|  |  |

| P.N.                                                                                | Description                                                                          |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| SMAM-MMCXF1-3GT50G-50                                                               | SMA Plug to MMCX Jack                                                                |
|  |  |

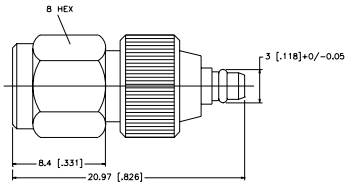
| P.N.                                                                                | Description                                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SMAF-MCXM1-3GT50G-50                                                                | SMA Jack to MCX Plug                                                                |
|  |  |

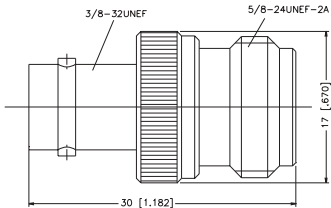
| P.N.                                                                                 | Description                                                                           |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| SMAF-MMCXM1-3GT50G-50                                                                | SMA Jack to MMCX Plug                                                                 |
|  |  |

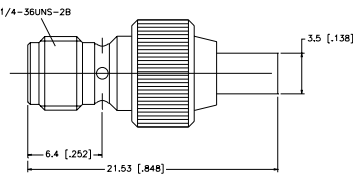
| P.N.                                                                                | Description                                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SMAM-MCXM1-3GT50G-50                                                                | SMA Plug to MCX Plug                                                                |
|  |  |

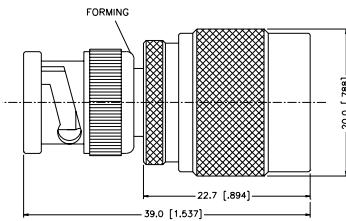
| P.N.                                                                                 | Description                                                                           |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| RSMAM-MMCXM-3GT50G-50                                                                | Reversed SMA Jack to MMCX Plug                                                        |
|  |  |

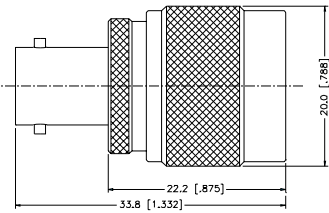
## Between Series Adapters

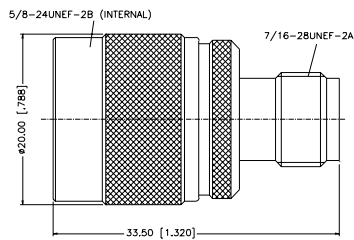
| P.N.                                                                                                                                                                | Description           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| SMAM-MMCXM1-3GT50G-50                                                                                                                                               | SMA Plug to MMCX Plug |
|   |                       |

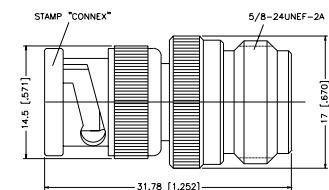
| P.N.                                                                                                                                                                   | Description        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| NF-BF-NT3G-50                                                                                                                                                          | N Jack to BNC Jack |
|   |                    |

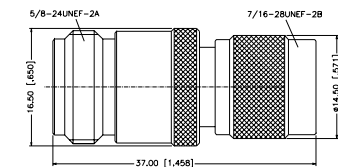
| P.N.                                                                                                                                                                  | Description           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| SMAF-MMCXF1-NT3G-50                                                                                                                                                   | SMA Jack to MMCX Jack |
|   |                       |

| P.N.                                                                                                                                                                     | Description        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| OS-7051-NDG                                                                                                                                                              | N Plug to BNC Plug |
|   |                    |

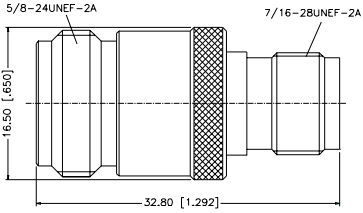
| P.N.                                                                                                                                                                    | Description        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| OS-7324-NDG                                                                                                                                                             | N Plug to BNC Jack |
|   |                    |

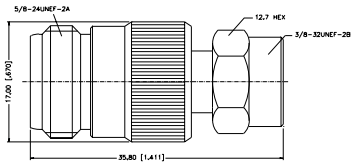
| P.N.                                                                                                                                                                       | Description        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| OS-7328-NDG                                                                                                                                                                | N Plug to TNC Jack |
|   |                    |

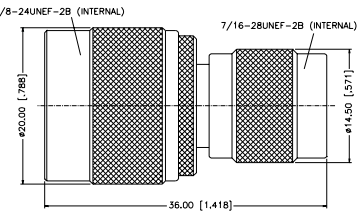
| P.N.                                                                                                                                                                    | Description        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| NF-BM-NT3G-50                                                                                                                                                           | N Jack to BNC Plug |
|   |                    |

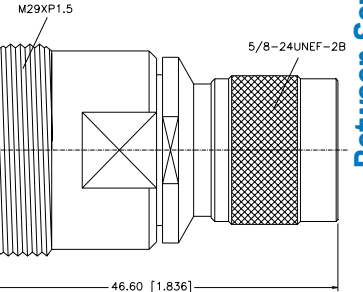
| P.N.                                                                                                                                                                       | Description        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| NF-TM-NT3G-50                                                                                                                                                              | N Jack to TNC Plug |
|   |                    |

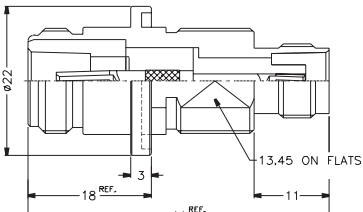
## Between Series Adapters

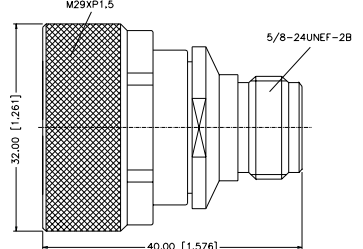
| P.N.                                                                                                                                                                | Description        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| OS-7334-NTN                                                                                                                                                         | N Jack to TNC Jack |
|   |                    |

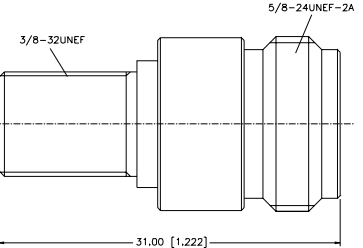
| P.N.                                                                                                                                                                   | Description      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| NF-FM2-NT3G-75                                                                                                                                                         | N Jack to F Plug |
|   |                  |

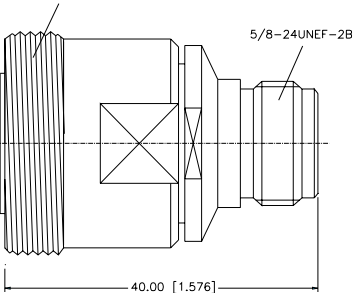
| P.N.                                                                                                                                                                  | Description        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| NM-TM1-NT3G-50                                                                                                                                                        | N Plug to TNC Jack |
|   |                    |

| P.N.                                                                                                                                                                     | Description         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| NM -716F-120STS-50                                                                                                                                                       | N Plug to 7/16 Jack |
|   |                     |

| P.N.                                                                                                                                                                    | Description          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| NF-TF2-NT3G-50                                                                                                                                                          | N Jack to TNC Female |
|   |                      |

| P.N.                                                                                                                                                                       | Description         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| NF -716M-120STS-50                                                                                                                                                         | N Jack to 7/16 Plug |
|   |                     |

| P.N.                                                                                                                                                                    | Description      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| OS-7249-NDG                                                                                                                                                             | N Jack to F Jack |
|   |                  |

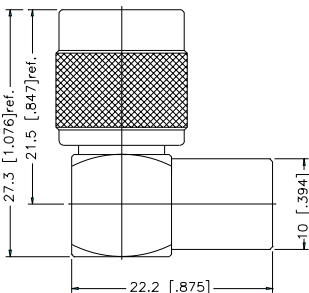
| P.N.                                                                                                                                                                       | Description         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| NF -716F-120STS-50                                                                                                                                                         | N Jack to 7/16 Jack |
|   |                     |

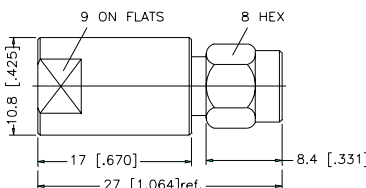
## Between Series Adapters

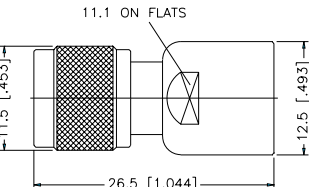
| P.N.               | Description          |
|--------------------|----------------------|
| NM -716M-120STS-50 | N Plug to 7/16 Plug  |
|                    |                      |
| BM-TF1-NT3G-50     | BNC Plug to TNC Jack |
|                    |                      |
| OS-7330-NDG        | N Plug to UHF Jack   |
|                    |                      |
| BF-TM-NT3G-50      | BNC Jack to TNC Plug |
|                    |                      |
| BM-SMBF-3GT3G-50   | BNC Plug to SMB Jack |
|                    |                      |
| BF-TF1-NT3G-50     | BNC Jack to TNC Jack |
|                    |                      |
| BM-SMBM-NT3G-50    | BNC Plug to SMB Plug |
|                    |                      |
| BM-TM1-NT3G-50     | BNC Plug to TNC Plug |
|                    |                      |

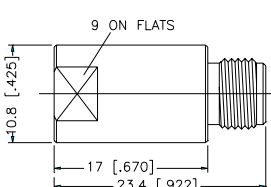


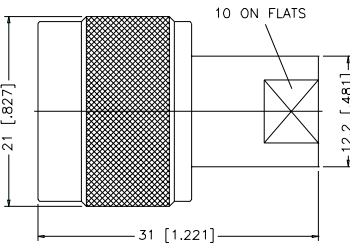
## Between Series Adapters

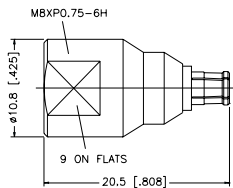
| P.N.                                                                              | Description                                                                       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| TM-L-FMEM-NT3G-50                                                                 | Right Angle Adapter — Nipple Plug to TNC Plug                                     |
|  |  |

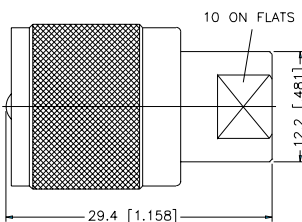
| P.N.                                                                               | Description                                                                         |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SMAF-FMEM-NT3G-50                                                                  | Nipple Plug to SMA Jack                                                             |
|  |  |

| P.N.                                                                               | Description                                                                        |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| FMEM-MUM-NDS-50                                                                    | Nipple Plug to Mini-UHF Plug                                                       |
|  |  |

| P.N.                                                                                | Description                                                                          |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| SMAM-FMEM-NT3G-50                                                                   | Nipple Plug to SMA Plug                                                              |
|  |  |

| P.N.                                                                                | Description                                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| FME2071N1-NTS-50                                                                    | Nipple Plug to N Plug                                                               |
|  |  |

| P.N.                                                                                 | Description                                                                           |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| FMEM-MCXM-NT3G-50                                                                    | Nipple Plug to MCX Plug                                                               |
|  |  |

| P.N.                                                                                | Description                                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| FMEM-UM-NTS-50                                                                      | Nipple Plug to UHF Plug                                                             |
|  |  |

# Amphenol

## **BNC 75 $\Omega$ RECEPTACLES**

*Amphenol Australia have introduced a new line of BNC 75 $\Omega$  receptacle connectors to complement their existing AC series XLR connector range. The BNC jack connector is offered in a rugged die-cast aluminum shell that provides protection for the flush mounted jack connector.*



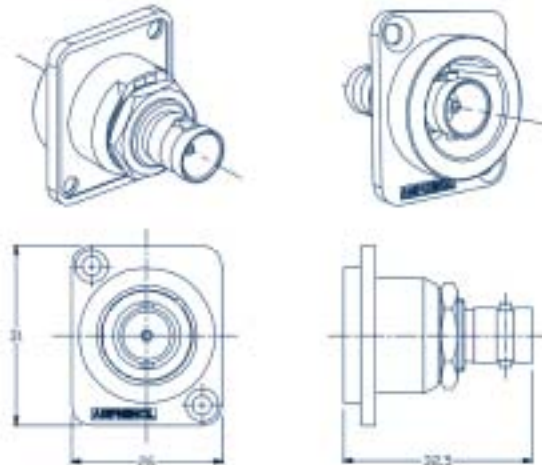
## **FEATURES**

- 75 $\Omega$  connector designed for broadcast, video and other applications which require impedance matched performance.
- Industry standard housing in Nickel or Black finish.
- Suitable for front or rear mounting.
- Bayonet lock or Push - Pull connection.
- Completely isolated from ground.

# Amphenol

## BNC 75 $\Omega$ RECEPTACLES

### MECHANICAL



### ELECTRICAL

### MECHANICAL

|                                 |                                                                     |                      |                    |                                 |
|---------------------------------|---------------------------------------------------------------------|----------------------|--------------------|---------------------------------|
| Impedance                       | 75 ohms                                                             | Centre Contacts      | Material           | Finish                          |
| Frequency range                 | 0 - 2 GHz                                                           |                      | Phosphor Bronze    | Gold                            |
| Voltage rating                  | 600 VRMS                                                            |                      |                    |                                 |
| Dielectric withstanding voltage | 1500 Volts for 1 minute                                             |                      |                    |                                 |
| VSWR                            | 1.5 max. 0-1 GHz                                                    | Housing - BNC        | Brass              | Nickel                          |
| Contact resistance              | Centre contact: 3m $\Omega$ max.<br>Outer contact: 2m $\Omega$ max. | + XLR                | Diecast Zinc Alloy | Satin Nickel<br>Black Polyester |
| Measurement Current             | 10mA                                                                | Insulators           | Teflon/Delrin      | Natural                         |
| Insulation resistance           | 5000 M $\Omega$ min.                                                | <b>SPECIFICATION</b> |                    |                                 |
| Test Voltage                    | DG 500V                                                             |                      |                    |                                 |



AC-BNC-JJ-75



AC-BNC-PJ-75B

## ORDERING CODES

AC-BNC-XXX-75X

Connector front  
J = Bayonet Lock  
P = Push - Pull

Blank = Satin Nickel  
B = Black

Connector rear  
J = Bayonet Lock

Blank = XLR type panel housing  
A = Isolated Adapter without housing

**Example: AC-BNC-JJ-75B**  
75 Ohm Bayonet lock jack to Bayonet lock jack  
connector within a black XLR type housing.



AC-BNC-PJ-75



AC-BNC-JJ-75B



SIDE VIEW



AC-BNC-PJA-75

Amphenol offers full range of termination tooling to meet your special production requirements. All tools meet the Amphenol stringent design and quality requirements.

Amphenol ACE series are sold as a handle with the die set included. Amphenol's tools provide a consistent and reliable crimp each and every time, thereby insuring the integrity of the connector termination.

The ACE tools are easy to operate, with low force and with one hand. The handles are ergonomical formed to insure comfortable crimping also with higher volumes.

| Amphenol partnumber | Die size square mm | Die size hex mm          |
|---------------------|--------------------|--------------------------|
| Ace-tool 1          | 0,70               | 2,03 2,54 2,67 3,10 3,25 |
| Ace-tool 2          | 0,70               | 1,07 1,73 3,25 3,84      |
| Ace-tool 3          | 0,70               | 1,07 1,73 4,52 5,41      |
| Ace-tool 4          | -                  | 1,73 2,54 2,67 5,41 6,48 |
| Ace-tool 5          | -                  | 1,73 8,10 8,23           |
| Ace-tool 6          | -                  | 2,54 2,67 3,00 10,90     |
| Ace-tool 7          | 1,09               | 1,09 4,52 6,48           |
| Ace-tool 8          | 1,09 1,73          | 1,09 1,73 4,75 8,10      |
| Ace-tool 9          | -                  | 1,73 3,25 4,52           |
| 55AR0001            | -                  | 5,18                     |



## Tools

### Miniature Step Adjustable Crimp Tool

| P.N.                             | Description             |
|----------------------------------|-------------------------|
| M22520/2-01<br>AC-POSITIONER K41 | Hand tool<br>Positioner |



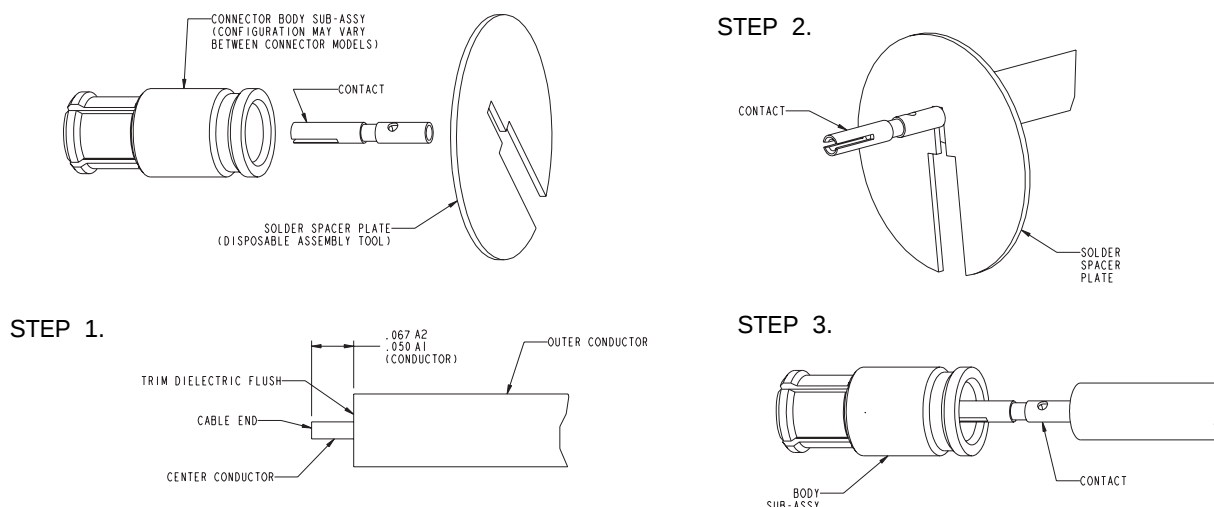
### Stripping Tool

| P.N.                                               |
|----------------------------------------------------|
| ACE-STRIPPING TOOL 1<br>ACE-STRIPPING TOOL 1 BLADE |



**Ace-stripping tool 1 is a precision tool for removing the sheath from signal, telephone, audiovisual, instrumental and data transmission copper and fiber optic cables. The tool features a 10 position indexed blade height adjustment wheel ensuring accurate and repeatable stripping. It has an easy and safe replacement blade. Strip range 2,5 - 11 mm diameter.**

## Solder



## Cable Assembly Instruction A1

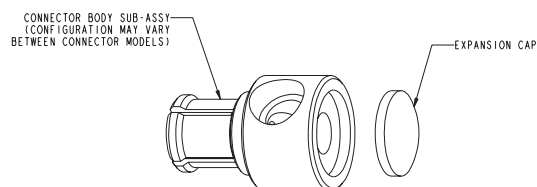
- STEP 1.** Prepare cable as shown
- STEP 2.** Solder center contact to cable center conductor while maintaining .010 +/- .001 Gap.
- STEP 3.**
  - A. Insert prepared cable and contact into body until cable bottoms internally
  - B. Solder outer conductor of cable to body of connector. Verify interface dimensions of contact after assembly. Contact to be flush to .010" below body surface per MIL-STD-348. (solder fixture recommended)

## Cable Assembly Instruction A2

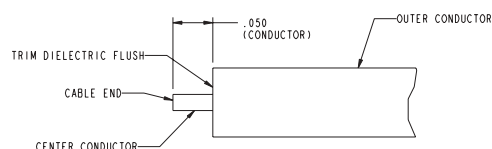
- STEP 1.** Prepare cable as shown
- STEP 2.** Solder center contact to cable center conductor while maintaining .022 +/- .001 Gap
- STEP 3.**
  - A. Insert prepared cable and contact into body until cable bottoms internally
  - B. Solder outer conductor of cable to body of connector. Verify interface dimensions of contact after assembly. Contact to be flush to .022" below body surface per MIL-STD-348. (solder fixture recommended)

## Cable Assembly Instruction A3

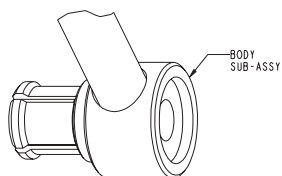
## Solder



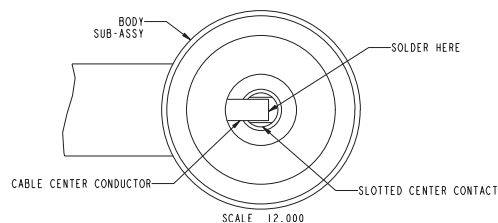
STEP 1.



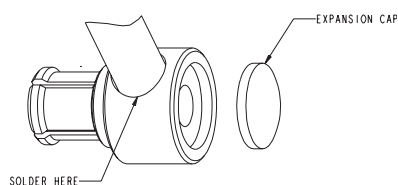
STEP 2.



STEP 3.

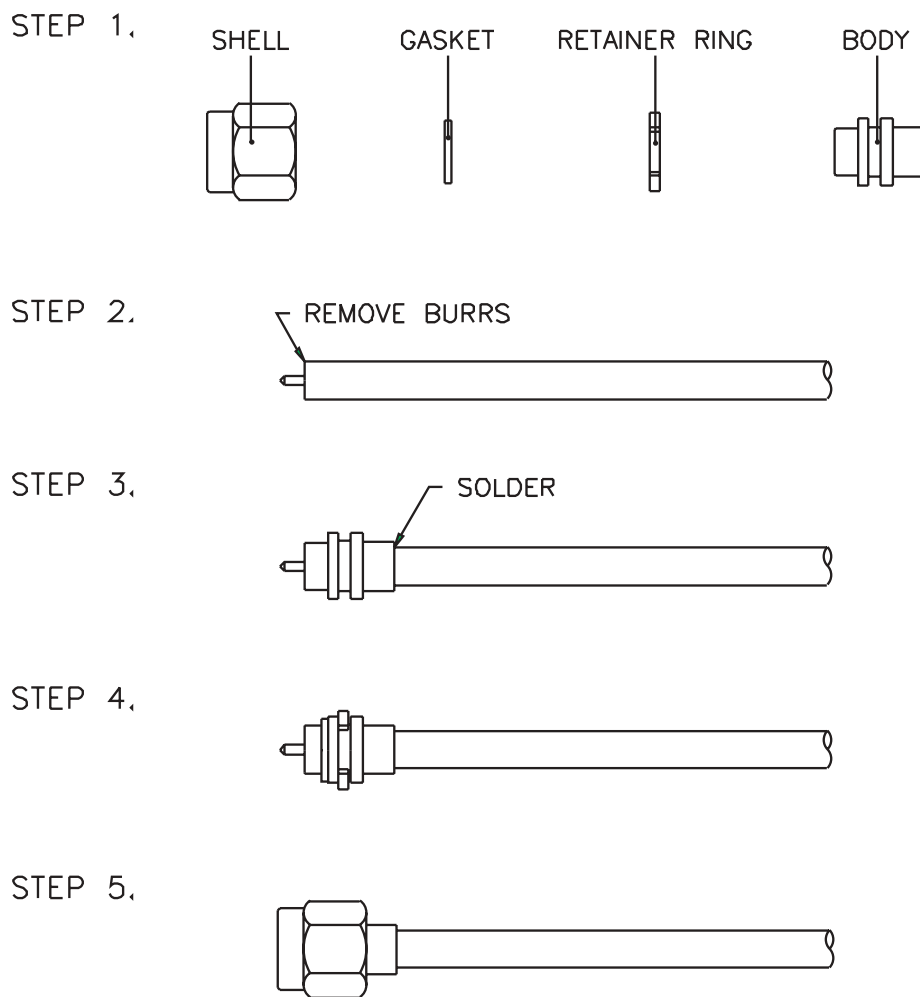


STEP 4.



- STEP 1.** Prepare cable as shown
- STEP 2.** Insert cable into body until cable bottoms internally.
- STEP 3.** Solder slotted center contact to cable center conductor.
- STEP 4.** Solder outer conductor of cable to body of connector.  
Depress expansion cap into body to close access hole

## Solder (Semi-Rigid)

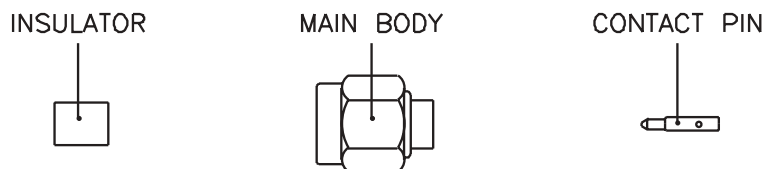


- STEP 1.** All parts of the connector are shown.
- STEP 2.** Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.
- STEP 3.** Solder the BODY to cable as shown. (Avoid excessive heat which may distort dielectric).
- STEP 4.** Place the RETAINER RING in the groove of BODY, and put the GASKET in the position as shown.
- STEP 5.** Compress the BODY assembly and assemble the SHELL as shown.

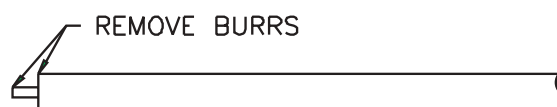
## Cable Assembly Instruction B

## Solder (Semi-Rigid)

STEP 1.



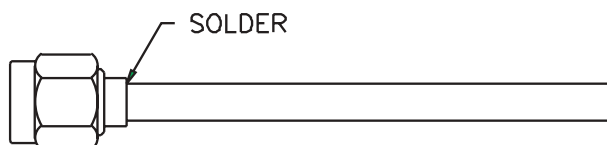
STEP 2.



STEP 3.

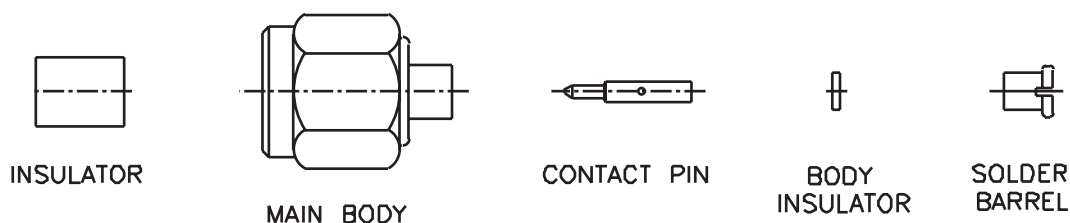


STEP 4.



- STEP 1.** All parts of the connector are shown.
- STEP 2.** Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.
- STEP 3.** Insert inner conductor into the CONTACT PIN and solder it as shown.
- STEP 4.** Solder the MAIN BODY to cable as shown.  
(Avoid excessive heat which may distort dielectric).  
Then press the INSULATOR into the MAIN BODY until it stops.

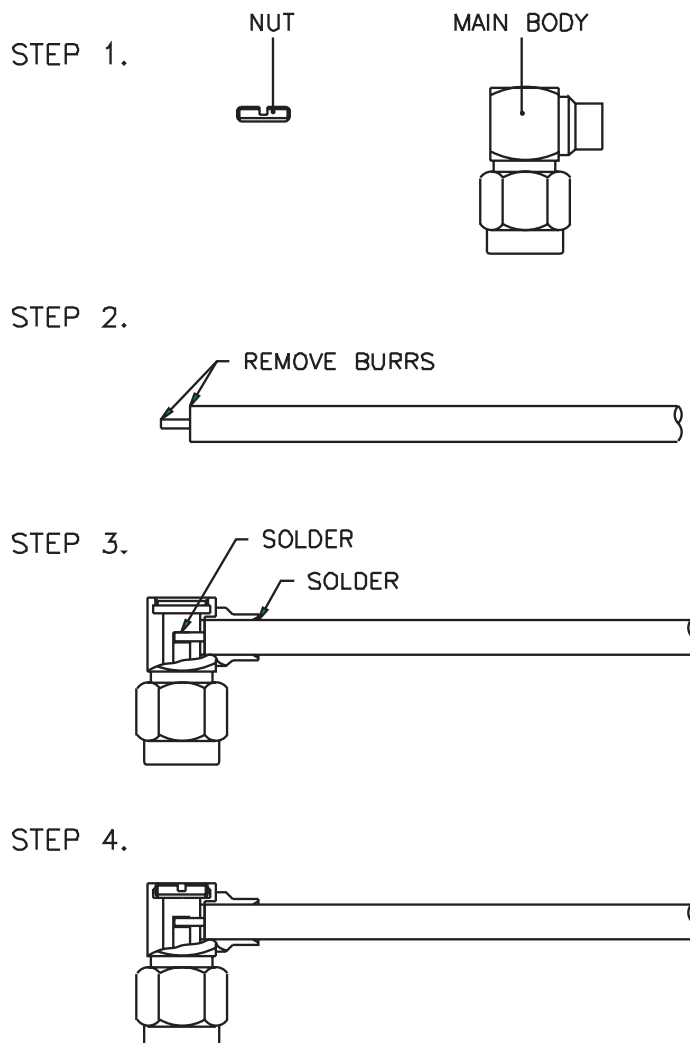
Solder (.047 Semi-Rigid)



- STEP 1.** All parts of the connector are shown.
- STEP 2.** Strip cable as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.
- STEP 3.** Insert SOLDER BARREL, BODY INSULATOR and center CONTACT PIN onto cable.
- STEP 4.** Assemble cable into connector body and solder barrel onto main connector body.  
(Avoid excessive heat which may distort dielectric).

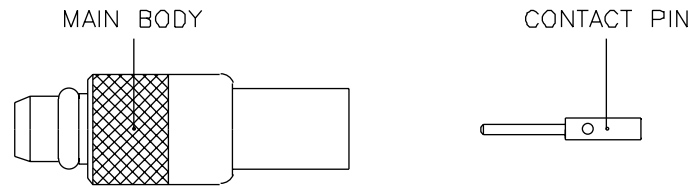
## Cable Assembly Instruction D

### Solder (Semi-Rigid)

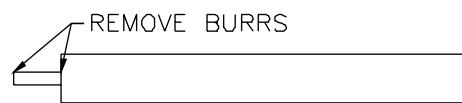


- STEP 1.** All parts of the connector are shown.
- STEP 2.** Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.
- STEP 3.** Solder inner conductor to the contact pin of MAIN BODY, and solder cable jacket to the MAIN BODY as shown.
- STEP 4.** Screw the NUT into the MAIN BODY until it stops.

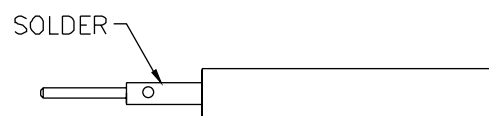
STEP 1.



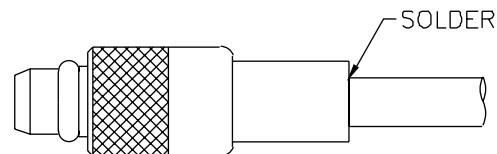
STEP 2.



STEP 3.



STEP 4.

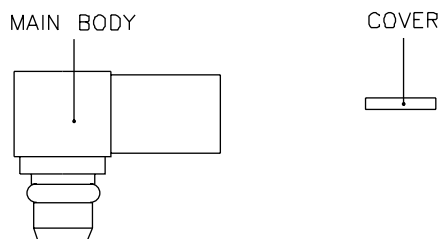


- STEP 1.** All parts of the connector are shown.
- STEP 2.** Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.
- STEP 3.** Insert inner conductor into the CONTACT PIN and solder it as shown.
- STEP 4.** Solder the MAIN BODY to cable as shown.

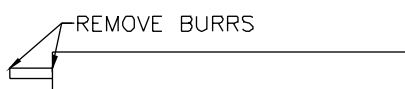
## Cable Assembly Instruction F

## Solder (Semi-Rigid)

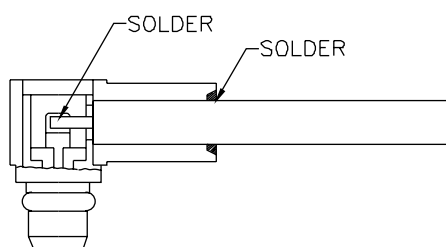
STEP 1.



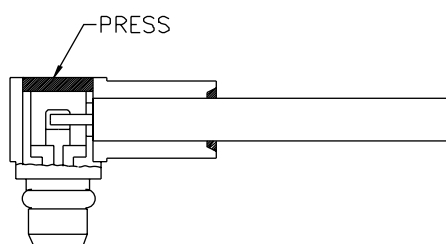
STEP 2.



STEP 3.

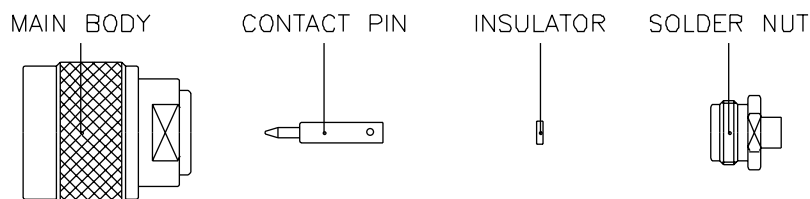


STEP 4.

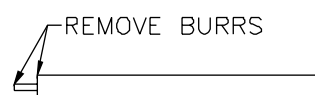


- STEP 1.** All parts of the connector are shown.
- STEP 2.** Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.
- STEP 3.** Solder inner conductor to the contact pin of MAIN BODY, and solder cable jacket to the MAIN BODY as shown.
- STEP 4.** Press the COVER into the MAIN BODY until it is flat with the MAIN BODY.

### STEP 1.



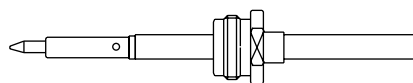
### STEP 2.



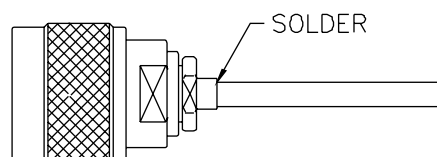
### STEP 3.



### STEP 4.



### STEP 5.



**STEP 1.** All parts of the connector are shown.

**STEP 2.** Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

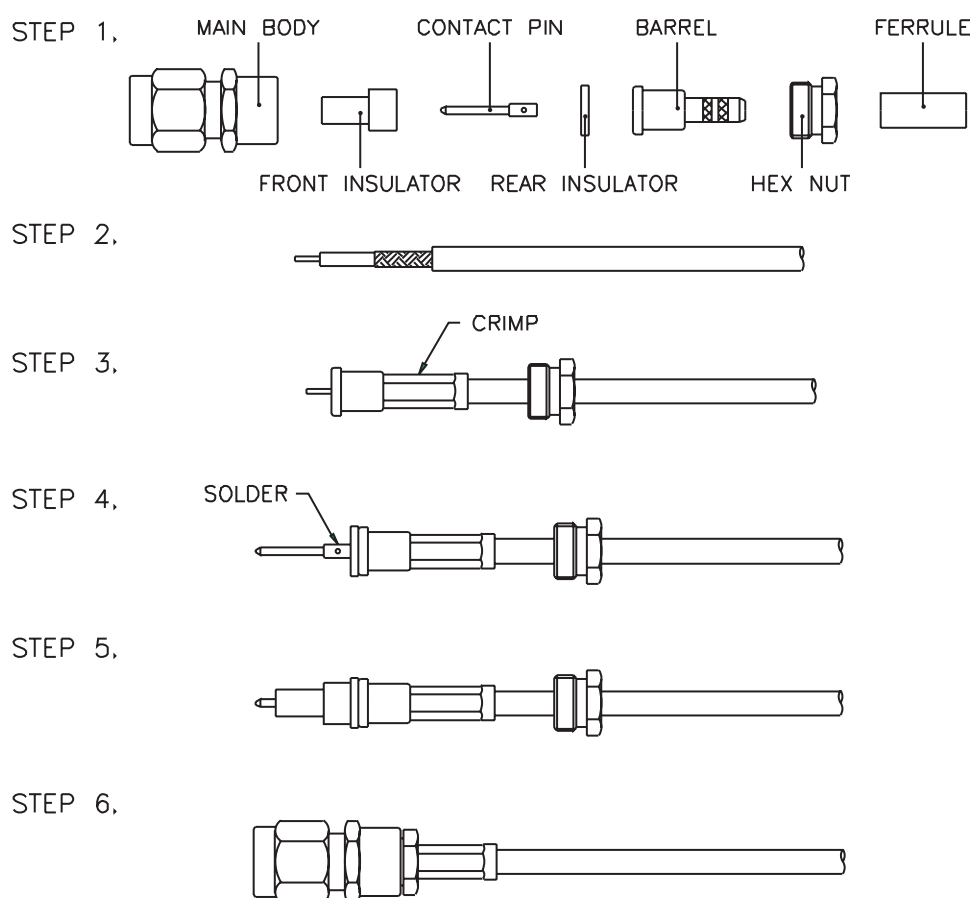
**STEP 3.** Slide the INSULATOR onto inner conductor against the jacket. Then insert inner conductor into the CONTACT PIN and solder it as shown.

**STEP 4.** Slide the SOLDER NUT onto cable.

**STEP 5.** Insert cable and parts into MAIN BODY, then screw the SOLDER NUT until it is tight and solder it as shown.

## Cable Assembly Instruction H

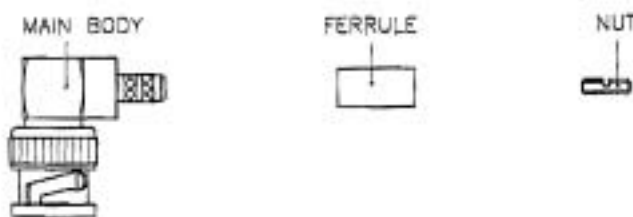
## Solder-crimp



- STEP 1.** All parts of the connector are shown.
- STEP 2.** Strip the cable inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.
- STEP 3.** Slide the HEX NUT and FERRULE onto cable. Then insert the BARREL into braid and dielectric, and slide the FERRULE over braid and crimp it as shown.
- STEP 4.** Slide the REAR INSULATOR against the BARREL. Then insert inner conductor into the CONTACT PIN and solder it as shown.
- STEP 5.** Slide the FRONT INSULATOR against the REAR INSULATOR.
- STEP 6.** Insert cable and parts into the MAIN BODY, then screw the HEX NUT until it is tight.

## Solder-crimp

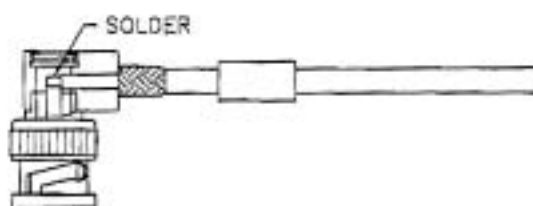
STEP 1.



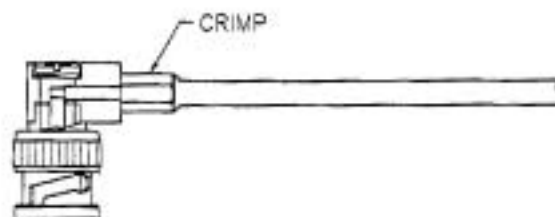
STEP 2.



STEP 3.



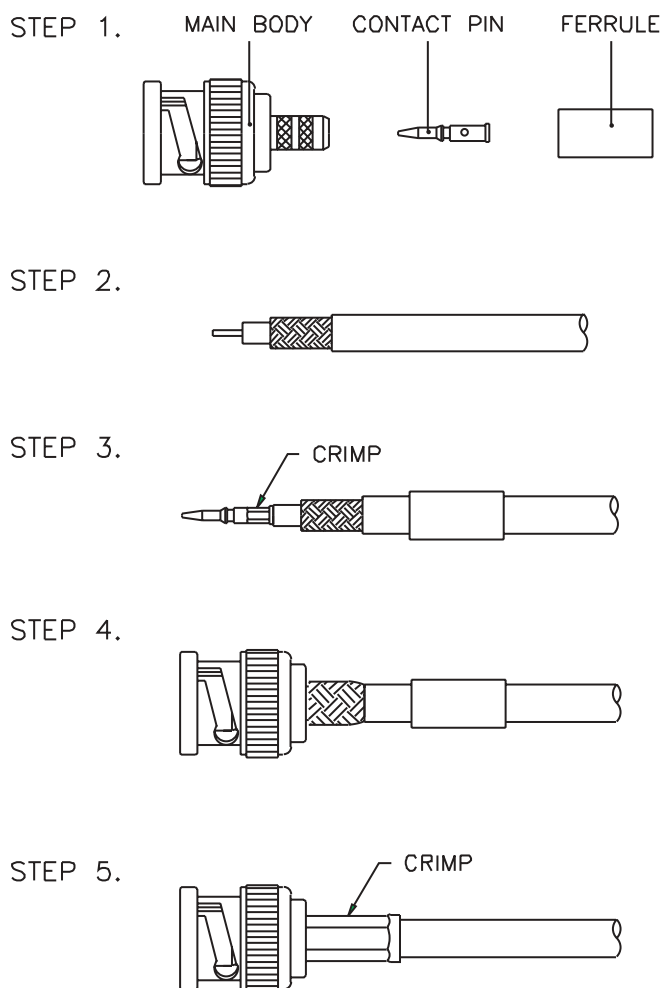
STEP 4.



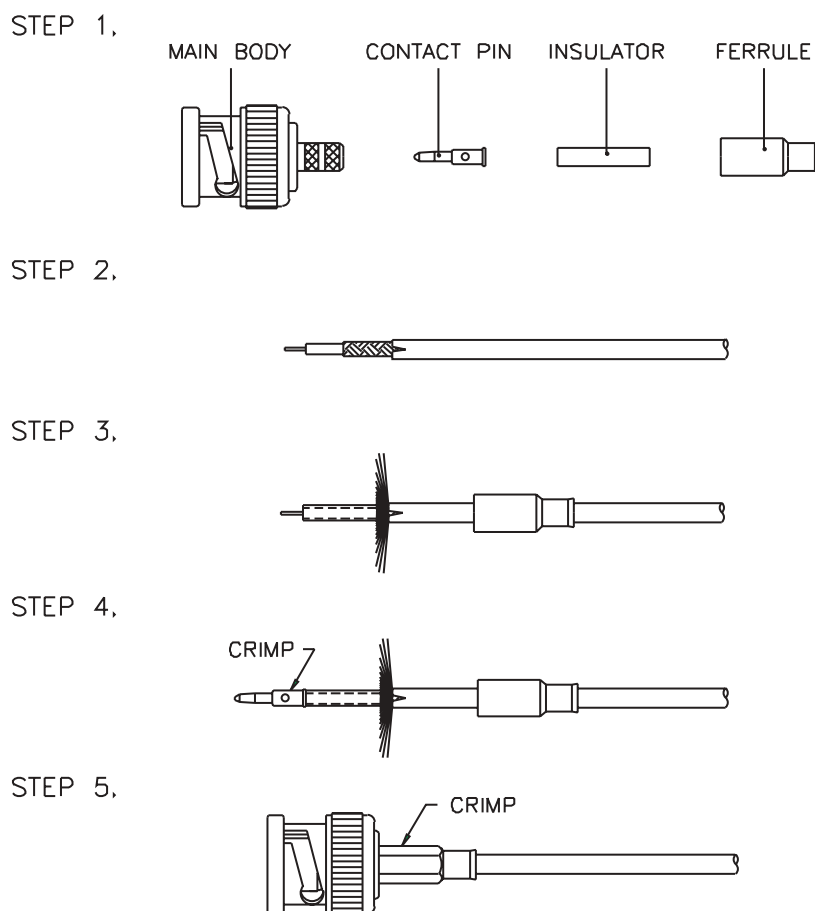
- STEP 1.** All parts of the connector are shown.  
A crimp tool is necessary to complete the termination.
- STEP 2.** Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.
- STEP 3.** Slide the FERRULE onto cable Solder inner conductor to the contact pin of MAIN BODY. And insert the MAIN BODY into braid and dielectric.
- STEP 4.** Slide the FERRULE over braid and crimp it with the crimp tool as shown. Screw NUT onto MAIN BODY.

## Cable Assembly Instruction J

## Crimp-crimp



- STEP 1.** All parts of the connector are shown.  
A crimp tool is necessary to complete the connection.
- STEP 2.** Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.
- STEP 3.** Insert inner conductor into the CONTACT PIN and crimp/solder on the cable. Then slide the FERRULE onto cable.
- STEP 4.** Insert the MAIN BODY into braid and dielectric.
- STEP 5.** Slide the FERRULE over braid, crimp it with the crimp tool as shown.

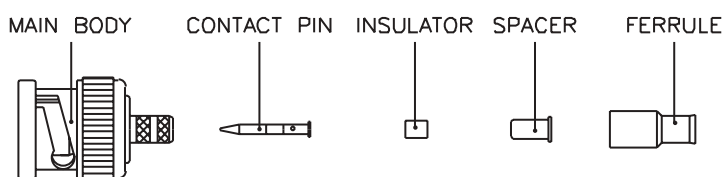


- STEP 1.** All parts of the connector are shown.  
A crimp tool is necessary to complete the connection.
- STEP 2.** Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.
- STEP 3.** Slide the FERRULE onto cable, then fold back braid wire and slide the INSULATOR onto dielectric as shown.
- STEP 4.** Insert inner conductor into the CONTACT PIN, crimp it with crimp tool as shown.
- STEP 5.** Push cable and parts into the MAIN BODY until it stops.  
Then slide the FERRULE over braid wire and against the MAIN BODY, crimp it with the crimp tool as shown.

## Cable Assembly Instruction L

## Crimp-crimp

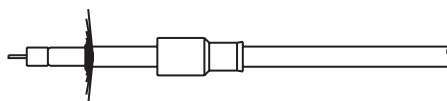
STEP 1,



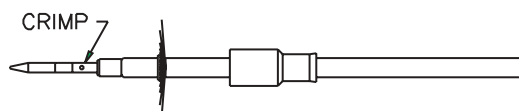
STEP 2,



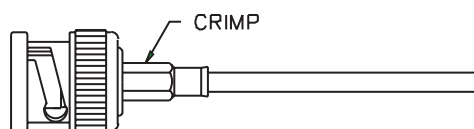
STEP 3,



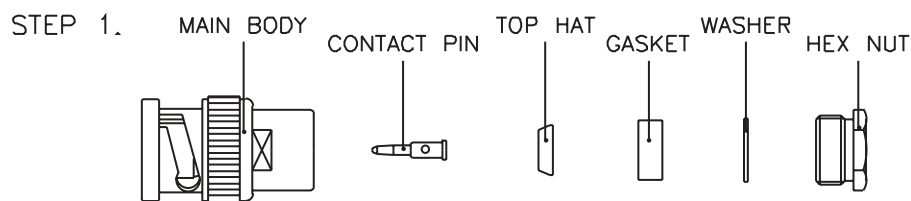
STEP 4,



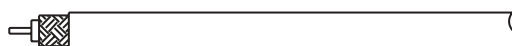
STEP 5,



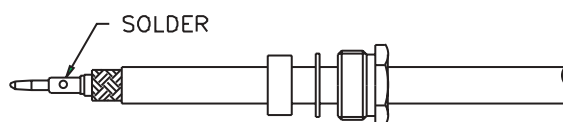
- STEP 1.** All parts of the connector are shown.  
A crimp tool is necessary to complete the connection.
- STEP 2.** Strip the inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.
- STEP 3.** Slide the FERRULE onto cable, then fold back braid wire and slide the SPACER and INSULATOR onto dielectric as shown.
- STEP 4.** Insert inner conductor into the CONTACT PIN, crimp it with crimp tool as shown.
- STEP 5.** Push cable and parts into the MAIN BODY until it stops. Then slide the FERRULE over braid wire and against the MAIN BODY, crimp it with the crimp tool as shown.



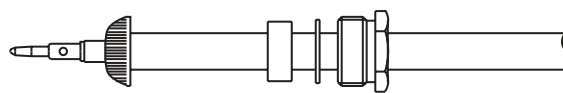
STEP 2.



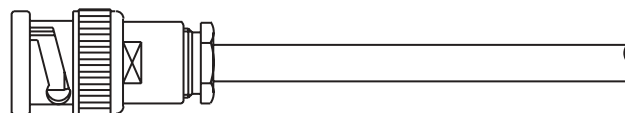
STEP 3.



STEP 4.



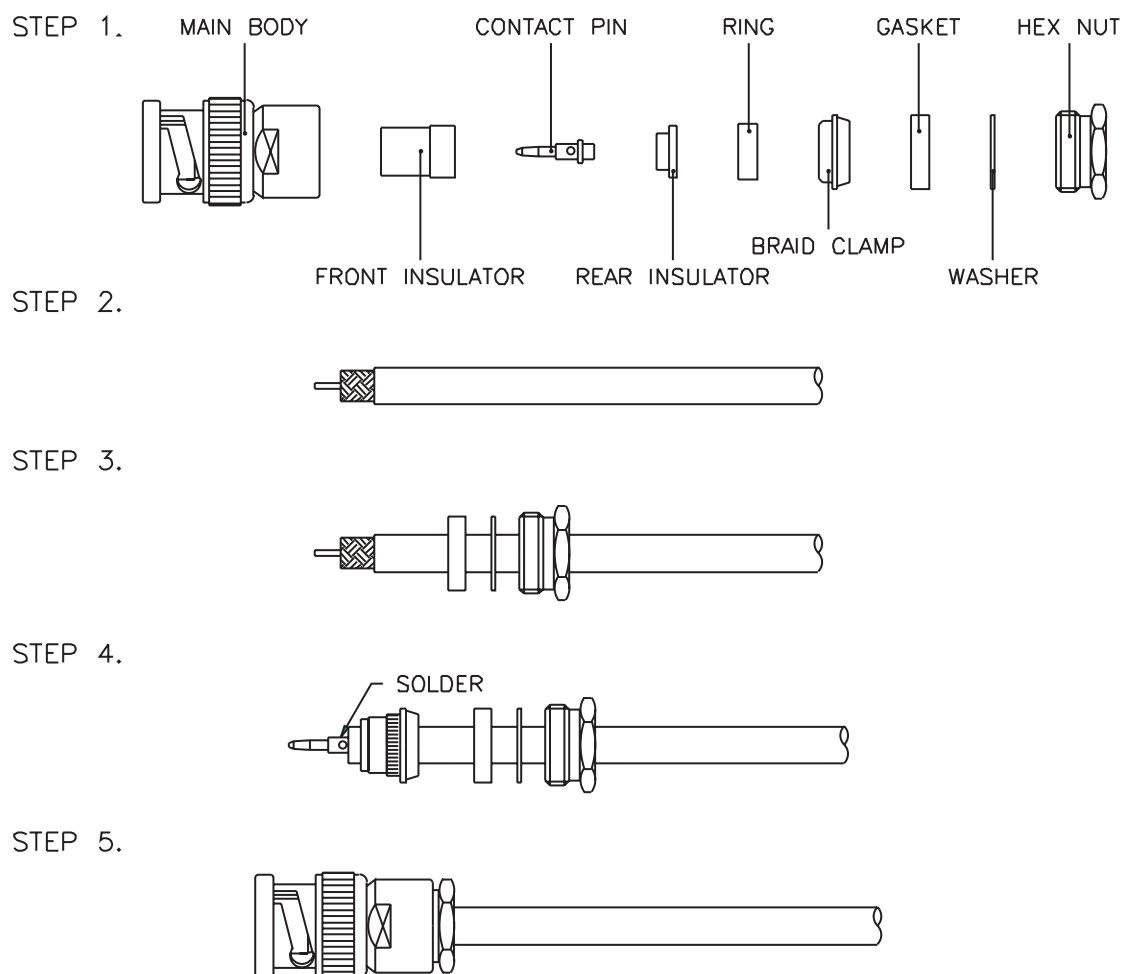
STEP 5.



- STEP 1.** All parts of the connector are shown.
- STEP 2.** Strip the cable inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.
- STEP 3.** Insert inner conductor into the CONTACT PIN and solder it as shown. Then slide the HEX NUT, WASHER, and GASKET onto cable one by one.
- STEP 4.** Place the TOP HAT over braid and push back against cable jacket. Fold back braid wire as shown.
- STEP 5.** Insert cable and parts into the MAIN BODY, then screw the HEX NUT until it is tightened.

## Cable Assembly Instruction N

## Clamp-solder



**STEP 1.** All parts of the connector are shown.

**STEP 2.** Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

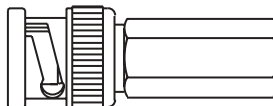
**STEP 3.** Slide the HEX NUT, WASHER, and GASKET onto cable one by one.

**STEP 4.** Place the BRAID CLAMP over braid and push back against cable jacket. Fold back braid wire as shown, and slide the RING and REAR INSULATOR against the BRAID CLAMP. Then insert inner conductor into the CONTACT PIN and solder it.

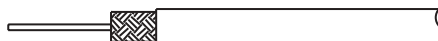
**STEP 5.** Insert cable and parts into the MAIN BODY, then screw the HEX NUT until it is tightened.

## Twist-on

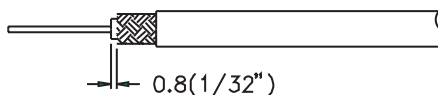
STEP 1.



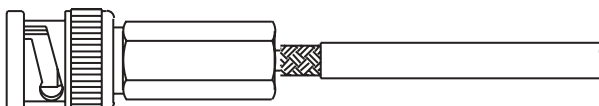
STEP 2.



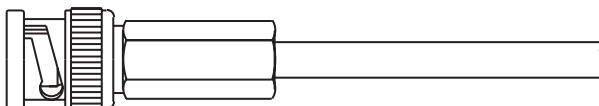
STEP 3.



STEP 4.



STEP 5.



**STEP 1.** The connector is shown.

**STEP 2.** Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

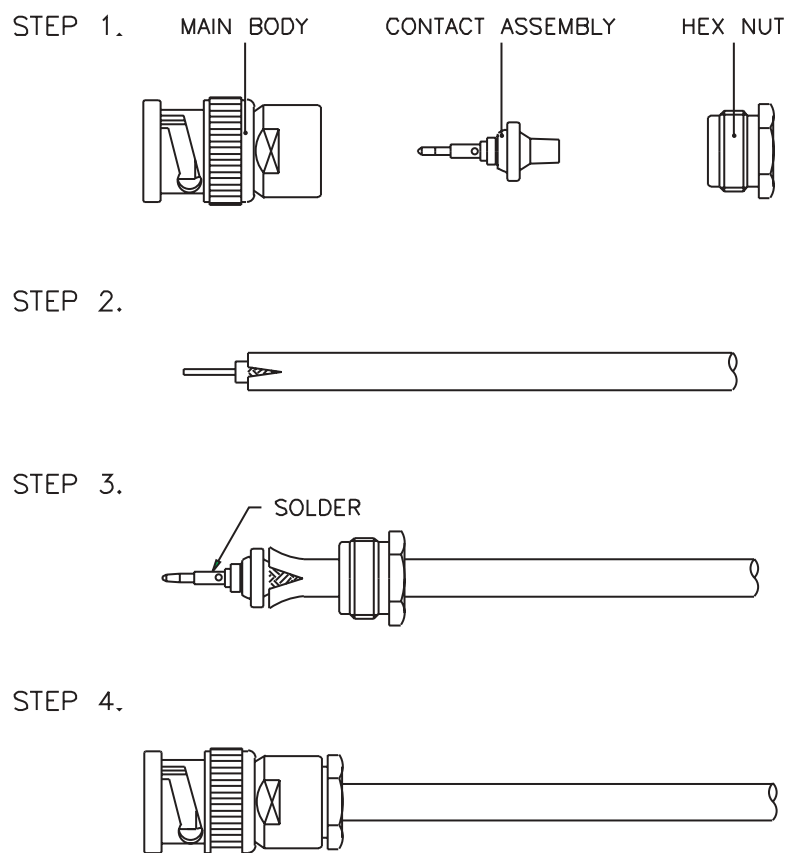
**STEP 3.** Twist braid in a clockwise direction so that at least 0,8mm of dielectric is bared, and braid is left flat.

**STEP 4.** Insert inner conductor into back end of connector gently, and feed it into the guide hole.

**STEP 5.** Push and screw connector onto cable in a clockwise direction until it stops.

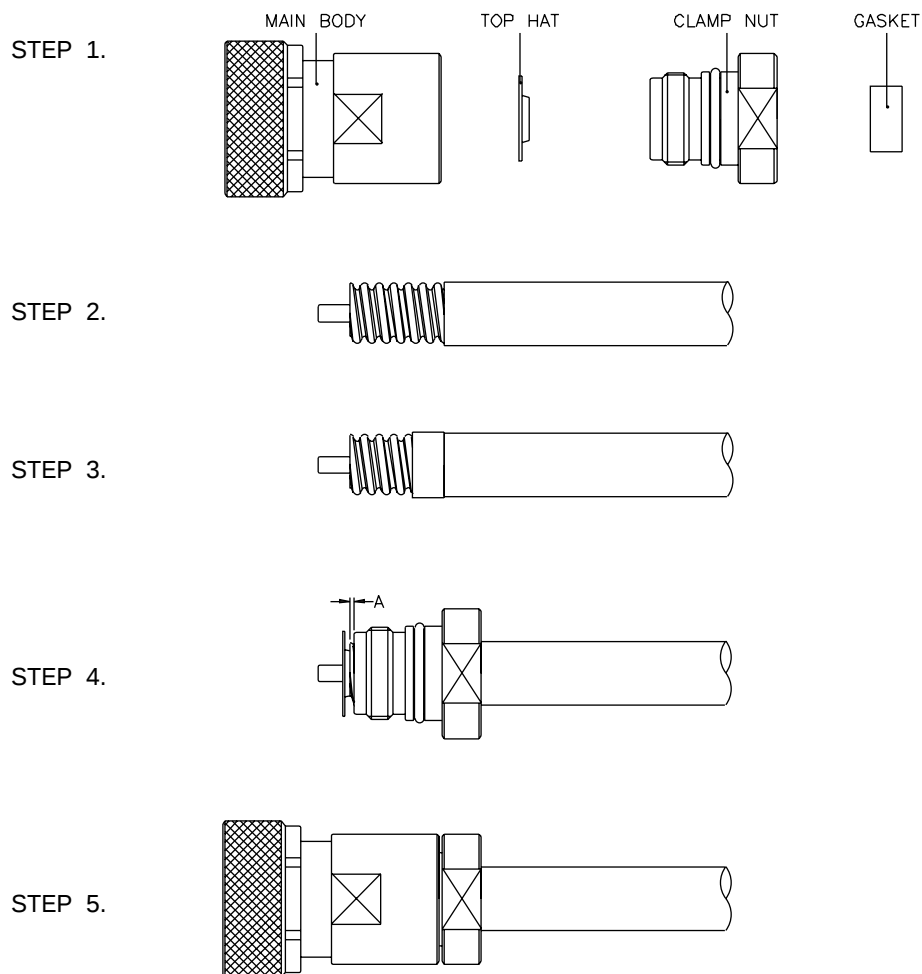
## Cable Assembly Instruction P

## Solder-wedge compression



- STEP 1.** All parts of the connector are shown.
- STEP 2.** Strip the cable inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.
- STEP 3.** Slide the HEX NUT onto cable, then insert the CONTACT ASSEMBLY under braid and jacket.
- STEP 4.** Insert cable and parts into the MAIN BODY, then screw the HEX NUT until it is tight.

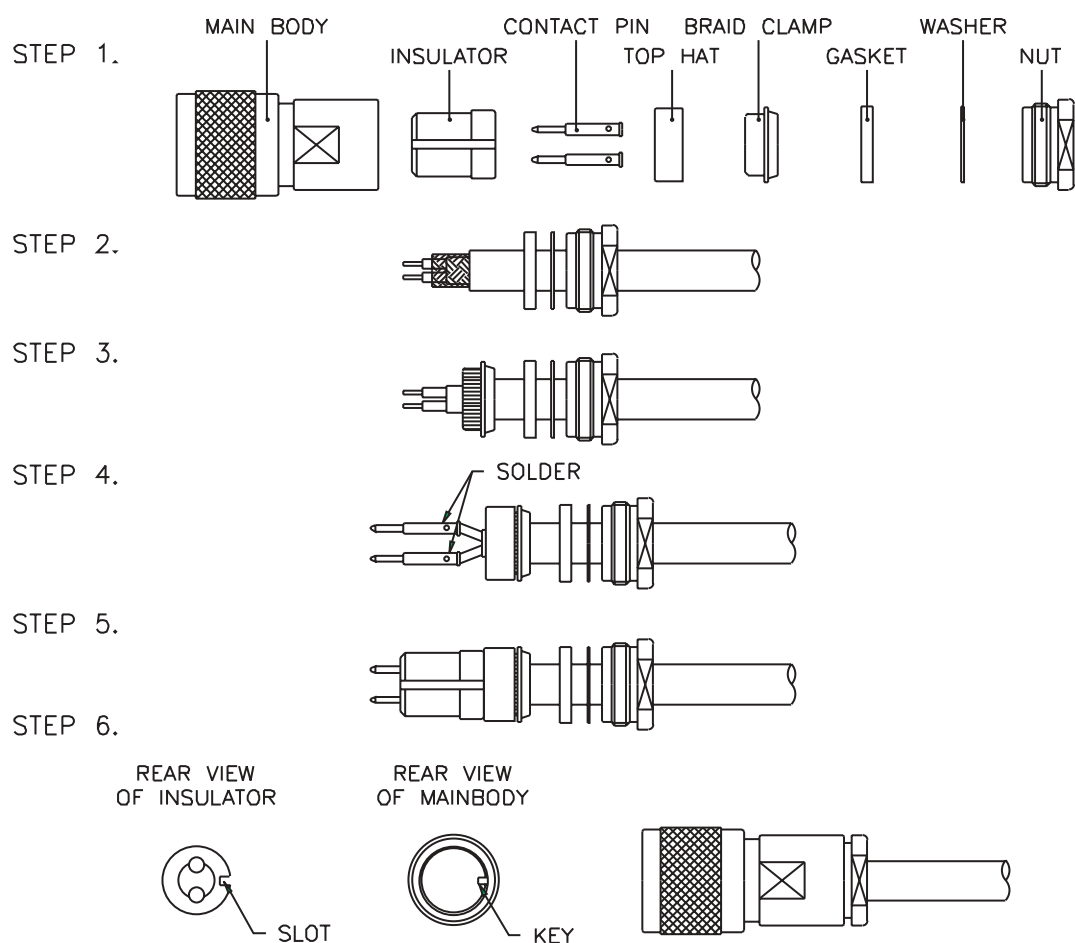
## Clamp



- STEP 1.** All parts of the connector are shown.
- STEP 2.** Strip the inner conductor, dielectric, outer conductor, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.
- STEP 3.** Thread the GASKET onto the cable until it is against the cable jacket.
- STEP 4.** Thread the CLAMP NUT onto the cable until the A dimension is 1-1.5 mm, then push the TOP HAT onto the outer conductor of cable inside as shown.
- STEP 5.** Thread the MAIN BODY onto the CLAMP NUT and tighten the connection with wrenches, hold the CLAMP NUT and turn only the MAIN BODY.

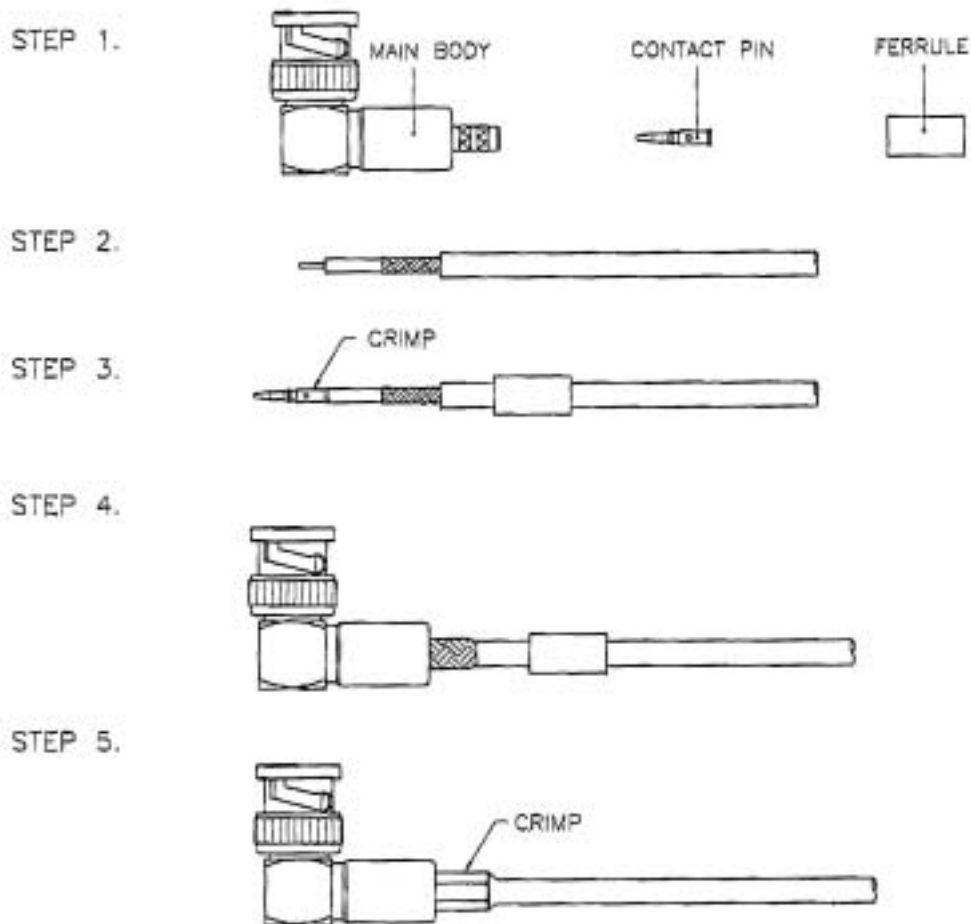
## Cable Assembly Instruction R

## Twin Solder-clamp



- STEP 1.** All parts of the connector are shown.
- STEP 2.** Strip the cable inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog. Then slide the NUT, WASHER, and GASKET onto cable.
- STEP 3.** Place the BRAID CLAMP over braid and push back against cable jacket. Fold back braid wire as shown.
- STEP 4.** Slide the TOP HAT against the BRAID CLAMP. Then insert inner conductor into the CONTACT PINs and solder them.
- STEP 5.** Insert the CONTACT PINs into the INSULATOR until the INSULATOR is against the TOP HAT.
- STEP 6.** Insert cable and parts into the MAIN BODY, aligning slot of the INSULATOR with key in the MAIN BODY. Then screw the NUT until it is tight.

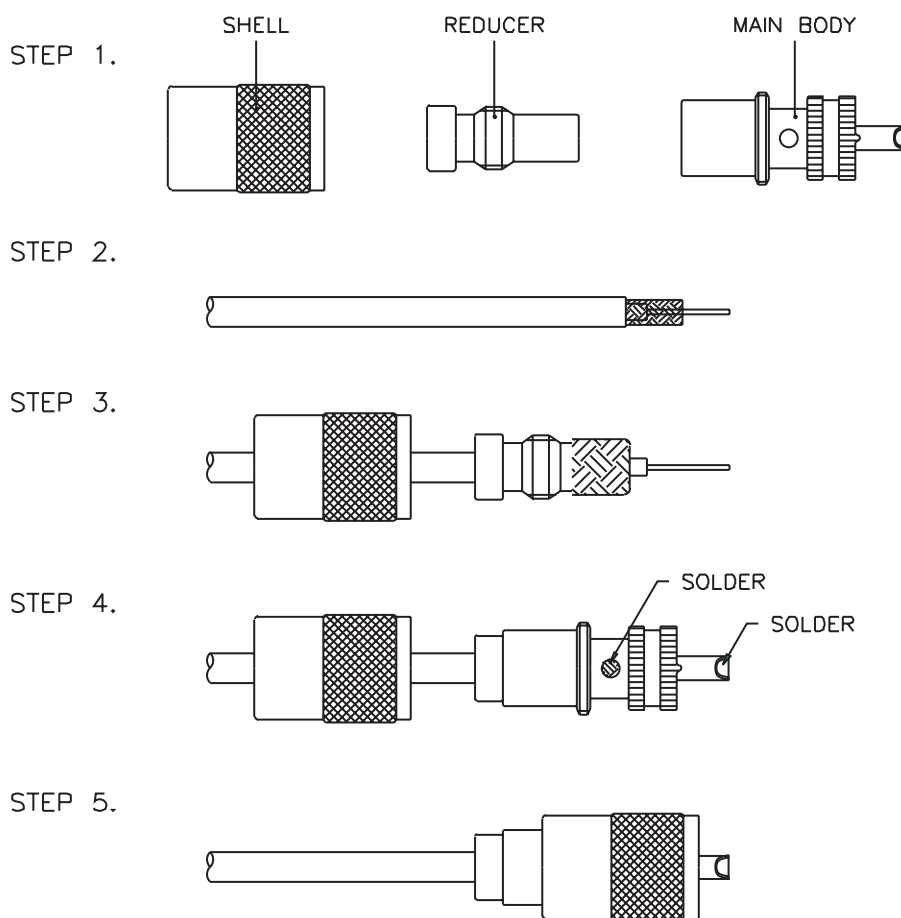
## Crimp-crimp



- STEP 1.** All parts of the connector are shown. A crimp tool is necessary to complete the termination.
- STEP 2.** Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.
- STEP 3.** Insert inner conductor into the CONTACT PIN and crimp it with the crimp tool as shown. Then slide the FERRULE onto cable.
- STEP 4.** Insert the MAIN BODY into braid and dielectric.
- STEP 5.** Slide the FERRULE over braid and crimp it with the crimp tool as shown.

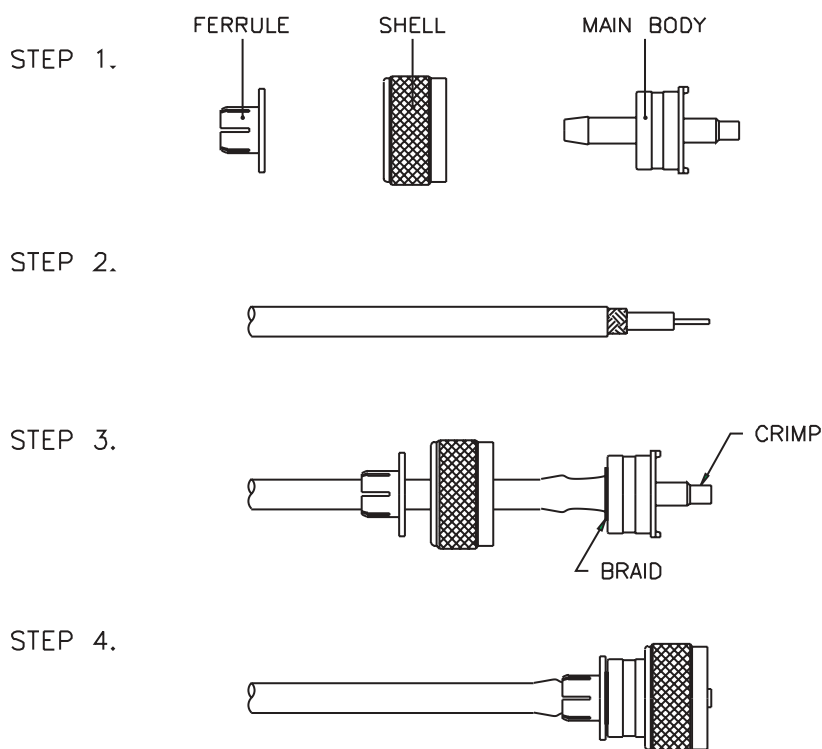
## Cable Assembly Instruction T

## Solder (with reducer)



- STEP 1.** All parts of the connector are shown.
- STEP 2.** Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.
- STEP 3.** Slide the SHELL and REDUCER onto cable, then fold back braid wire over the REDUCER as shown.
- STEP 4.** Screw the MAIN BODY onto the REDUCER and solder it as shown.
- STEP 5.** Slide the SHELL forward and screw in place on the MAIN BODY.

FCP



**STEP 1.** All parts of the connector are shown.

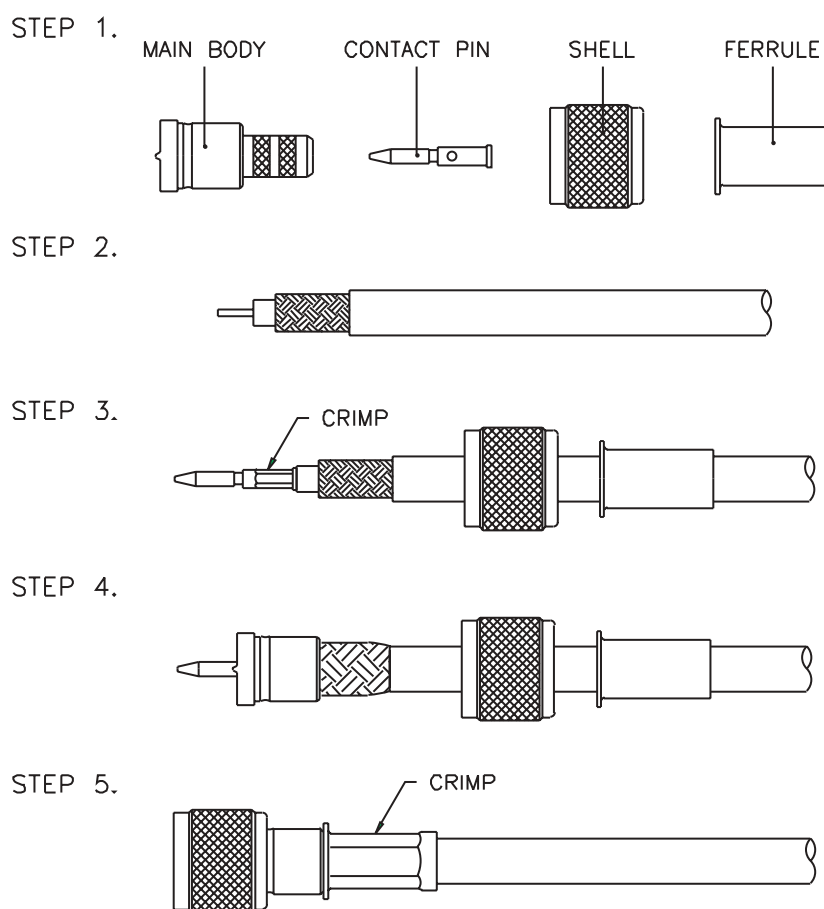
**STEP 2.** Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

**STEP 3.** Slide the FERRULE and SHELL onto cable one by one, and insert the MAIN BODY into braid and dielectric until it is against cable jacket. Then crimp the CONTACT PIN as shown.

**STEP 4.** Slide the SHELL onto the MAIN BODY, and push the FERRULE until it is against the MAIN BODY. If inner conductor sticks out beyond the CONTACT PIN, trim it.

## Cable Assembly Instruction V

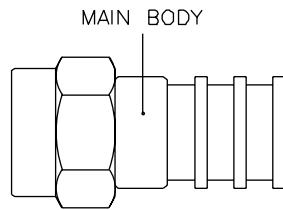
## Crimp-crimp



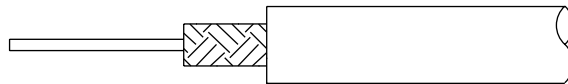
- STEP 1.** All parts of the connector are shown. A crimp tool is necessary to complete the connection.
- STEP 2.** Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.
- STEP 3.** Insert inner conductor into the CONTACT PIN, crimp it with the crimp tool as shown. Then slide the FERRULE and SHELL onto cable one by one.
- STEP 4.** Insert the MAIN BODY under braid and dielectric.
- STEP 5.** Slide the SHELL until it is against the MAIN BODY, then slide the FERRULE over braid, crimp it with the crimp tool as shown.

## Crimp

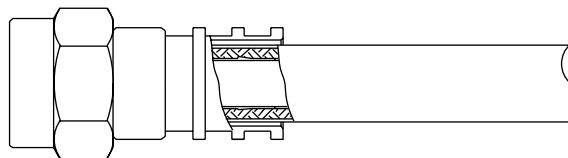
STEP 1.



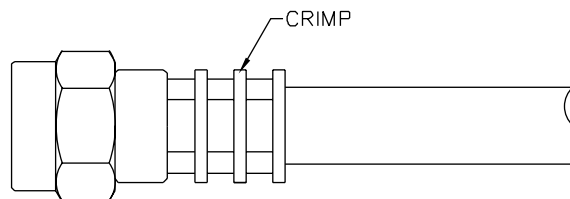
STEP 2.



STEP 3.



STEP 4.



**STEP 1.** All parts of the connector are shown. A crimp tool is necessary to complete the connection.

**STEP 2.** Strip the inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

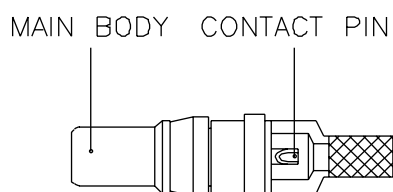
**STEP 3.** Insert cable into the back end of MAIN BODY gently, and feed it into the guide hole.

**STEP 4.** Crimp it with the crimp tool as shown.

## Cable Assembly Instruction X

## Solder-crimp

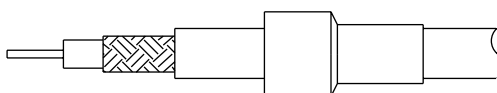
STEP 1.



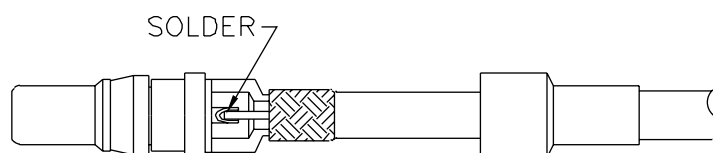
STEP 2.



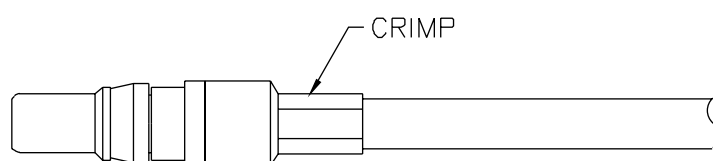
STEP 3.



STEP 4.

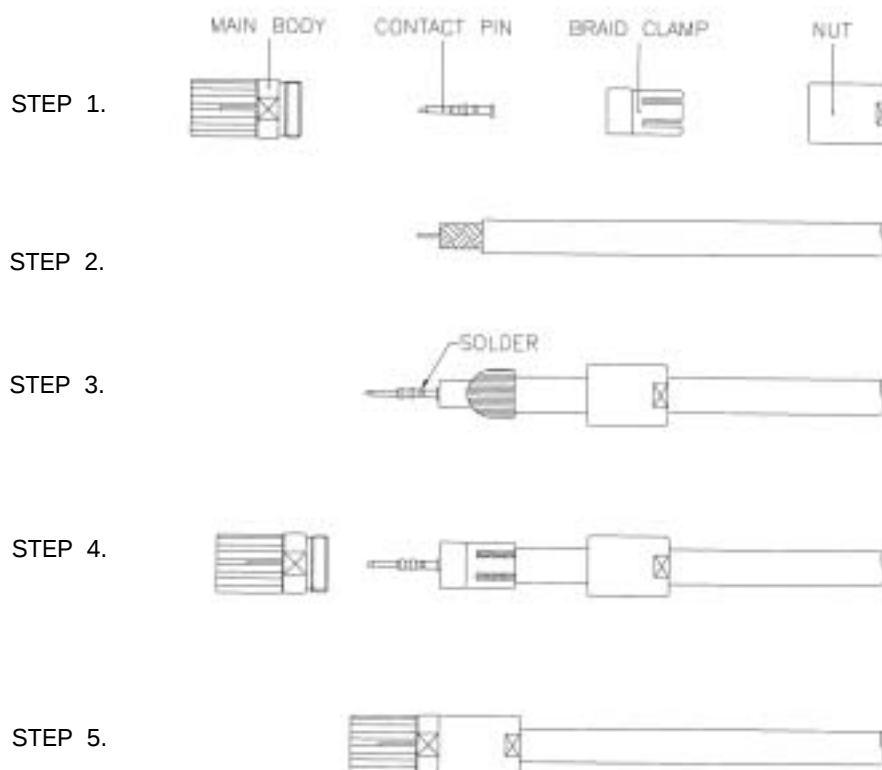


STEP 5.



- STEP 1.** All parts of the connector are shown. A crimp tool is necessary to complete the connection.
- STEP 2.** Strip the inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.
- STEP 3.** Slide the FERRULE onto cable.
- STEP 4.** Solder inner conductor to contact pin of the MAIN BODY as shown.
- STEP 5.** Slide the FERRULE over braid; crimp it with the crimp tool as shown.

## Solder-clamp



**STEP 1.** All parts of the connector are shown.

**STEP 2.** Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

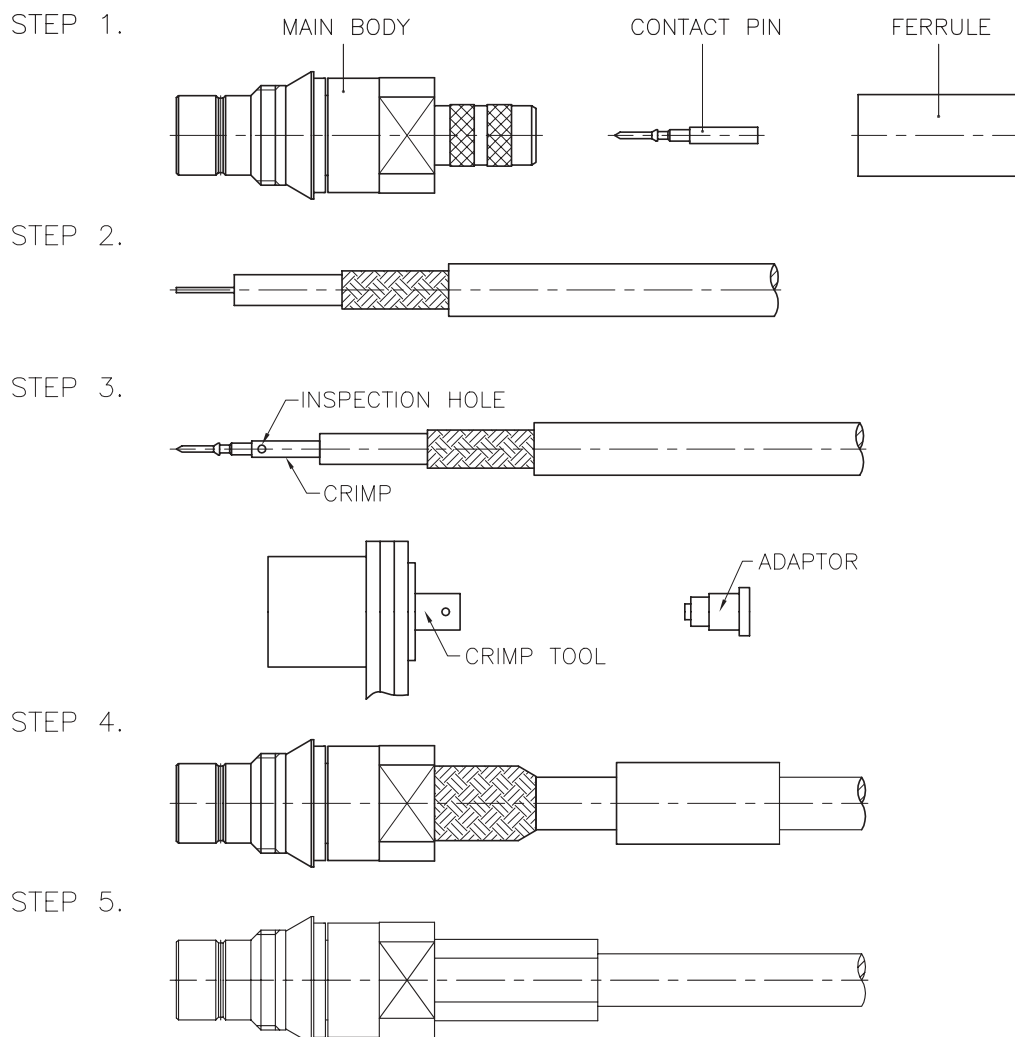
**STEP 3.** Slide the NUT onto cable, then insert inner conductor into the CONTACT PIN and solder it, fold back braid wire as shown.

**STEP 4.** Place the BRAID CLAMP over braid and push back against cable jacket.

**STEP 5.** Insert cable and parts into the MAIN BODY, then screw the NUT until it is tightened.

## Cable Assembly Instruction Z

## Crimp - crimp



**STEP 1.** All parts of the connector are shown. A crimp tool is necessary to complete the termination.

**STEP 2.** Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

**STEP 3.1** Place centre contact on conductor.  
(ensure conductor is visible through inspection hole)

**STEP 3.2** Place adaptor in crimp tool

**STEP 3.3** Insert cable into adaptor. Push home.

**STEP 3.4** Crimp centre contact

**STEP 4.** Insert the MAIN BODY into braid and dielectric.

**STEP 5.** Slide the FERRULE over braid and crimp it with the crimp tool as shown.

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## Index of Part Numbers, Series Between Series Adapters, BNC

| Part number                | Description                                | Page | Part number             | Description               | Page | Part number              | Description                 | Page |
|----------------------------|--------------------------------------------|------|-------------------------|---------------------------|------|--------------------------|-----------------------------|------|
| SMAF-MCXM1-3GT50G-50       | adapter sma jack-mcx plug                  | 211  | B1112E1-ND3G-5A-50      | angled crimp/solder plug  | 85   | B1141C1-ND3G-3-50        | straight clamp plug         | 90   |
| SMAF-MMCXF1-NT3G-50        | adapter sma jack-mmcx jack                 | 212  | B1112E1-ND3G-6-75       | angled crimp/solder plug  | 85   | B1141C1-ND3G-3-75        | straight clamp plug         | 90   |
| SMAF-MMCXM1-3GT50G-50      | adapter sma jack-mmcx plug                 | 211  | B1112E1-ND3G-6A-75      | angled crimp/solder plug  | 85   | B1141C1-NT3G-5-50        | straight clamp plug         | 90   |
| SMAF-MUF-NT3G-50           | adapter sma jack-mini-uhf jack211          |      | B1121A1-ND3G-1-50       | straight crimp/crimp plug | 82   | B1141D1-001-ND3G-1-50    | straight clamp plug         | 90   |
| SMAF-MUM-NT3G-50           | adapter sma jack-mini-uhf plug210          |      | B1121A1-ND3G-15-75      | straight crimp/crimp plug | 82   | B1141D1-ND3G-3-50        | straight clamp plug         | 90   |
| SMAF-SMBF1-3GT50G-50       | adapter sma jack-smb plug                  | 209  | B1121A1-ND3G-16-75      | straight crimp/crimp plug | 83   | B1141G1-ND3G-1-50        | straight clamp plug         | 93   |
| SMAF-SMBM1-3GT50G-50       | adapter sma jack-smb plug                  | 209  | B1121A1-ND3G-16A-75     | straight crimp/crimp plug | 83   | B1141G1-ND3G-3-50        | straight clamp plug         | 93   |
| SMAF-TF-NT3G-50            | adapter sma jack-uhf jack                  | 208  | B1121A1-ND3G-3-50       | straight crimp/crimp plug | 82   | B1141G1-ND3G-3-75        | straight clamp plug         | 93   |
| SMAF-TM-NT3G-50            | adapter sma jack-tnc plug                  | 208  | B1121A1-ND3G-3-75       | straight crimp/crimp plug | 82   | B1142E1-ND3G-1-50        | angled clamp plug           | 91   |
| SMAF-UF-NT3G-50            | adapter sma jack-uhf jack                  | 210  | B1121A1-ND3G-3A-75      | straight crimp/crimp plug | 82   | B1142E1-ND3G-3-50        | angled clamp plug           | 91   |
| SMAF-UM-NT3G-50            | adapter sma jack-uhf plug                  | 210  | B1121A1-ND3G-7B-50      | straight crimp/crimp plug | 82   | B1142E1-ND3G-3-75        | angled clamp plug           | 91   |
| SMAM-BF-NT3G-50            | adapter sma plug-bnc jack                  | 208  | B1121A1-ND3G-8-75       | straight crimp/crimp plug | 82   | B1181A1-N/3GT3G-10-50    | straight solder plug        | 89   |
| SMAM-BM-NT3G-50            | adapter sma plug-bnc plug                  | 208  | B1121A1-NT3G-1-50       | straight crimp/crimp plug | 82   | B1181A1-N/NT30GA-10-75   | straight solder plug        | 89   |
| SMAM-FMEM-NT3G-50          | adapter fme nipple plug-to-sma plug        | 216  | B1121A1-NT3G-15-75      | straight crimp/crimp plug | 82   | B1181A1-NT3G-11-50       | straight solder plug        | 89   |
|                            |                                            |      | B1121A1-NT3G-22-75      | straight crimp/crimp plug | 83   | B1182A1-N/3GT3G-10-50    | angled solder plug          | 85   |
| SMAM-MCXF1-3GT50G-50       | adapter sma plug-mcx jack                  | 211  | B1121A2-NT3G-07D-50     | straight crimp/crimp plug | 82   | B1182A1-N/NT30GA-11-50   | angled solder plug          | 85   |
| SMAM-MCXM1-3GT50G-50       | adapter sma plug-mcx plug                  | 211  | B1121A6-NT3G-7-50       | straight crimp/crimp plug | 82   | B1351Q1-ND3G-50          | bulkhead receptacle plug    | 93   |
| SMAM-MMCXF1-3GT50G-50      | adapter sma plug-mmcx jack                 | 211  | B1121A6-NT3G-7A-50      | straight crimp/crimp plug | 82   | B1351Q2-NT3G-75          | bulkhead receptacle plug    | 93   |
| SMAM-MMCXM1-3GT50G-50      | adapter sma plug-mmcx plug                 | 212  | B1121A6-NT3G-7C-50      | straight crimp/crimp plug | 82   | B1551A1-NT3G-50          | panel receptacle plug       | 96   |
| SMAM-MUF-NT3G-50           | adapter sma plug-mini-uhf jack210          |      | B1121A6-NT3G-7E-75      | straight crimp/crimp plug | 82   | B2071A2-ND3G-50          | adapter plug-to-plug        | 105  |
| SMAM-MUM-NT3G-50           | adapter sma plug-to-mini-uhf plug          | 210  | B1121A6-NT3G-7F-75      | straight crimp/crimp plug | 82   | B2071A2-ND3G-75          | adapter plug-to-plug        | 105  |
|                            |                                            |      | B1121A9-003-NT3G-75     | straight crimp/crimp plug | 82   | B2071B2-002-ND3G-50      | adapter plug-to-plug        | 105  |
| SMAM-SMBF-3GT50G-50        | adapter sma plug-smb jack                  | 209  | B1121A9-009-NT30G-3A-75 | straight crimp/crimp plug | 82   | B2071B2-002-ND3G-75      | adapter plug-to-plug        | 105  |
| SMAM-SMBM1-3GT50G-50       | adapter sma plug-smb plug                  | 209  | B1121A9-010-NT30G-16-75 | straight crimp/crimp plug | 83   | B5071A1-NT3G-75          | bulkhead adapter jack-plug  | 103  |
| SMAM-TF-NT3G-50            | adapter sma plug-tnc jack                  | 208  | B1121A9-NT15G-18-75     | straight crimp/crimp plug | 82   | B5072A1-ND3G-50          | angled adapter plug-to-jack | 105  |
| SMAM-TM-NT3G-50            | adapter sma plug-tnc plug                  | 208  | B1121A9-NT15G-19-75     | straight crimp/crimp plug | 82   | B5072A1-ND3G-75          | angled adapter plug-to-jack | 105  |
| SMAM-UF-NT3G-50            | adapter sma plug-uhf jack                  | 210  | B1121A9-NT15G-8A-75     | straight crimp/crimp plug | 82   | B5072B1-001-ND3G-50      | angled adapter plug-to-jack | 105  |
| SMAM-UM-NT3G-50            | adapter sma plug-uhf plug                  | 210  | B1121A9-NT15G-8B-75     | straight crimp/crimp plug | 82   | B5072B1-001-ND3G-75      | angled adapter plug-to-jack | 105  |
| TF-L-MCXF-NT3G-50 angled   | adapter tnc female-mcx female              | 215  | B1121A9-NT3G-3-75       | straight crimp/crimp plug | 82   | B6004A1-001-ND3G         | terminator jack             | 107  |
|                            |                                            |      | B1121AA-ND3G-8B-75      | straight crimp/crimp plug | 82   | B6004A1-NT3G-50R-0.05-1W | terminator jack             | 107  |
| TM-FMEM-NDS-50             | adapter fme nipple plug-to-tnc plug        | 215  | B1121AA-NT3G-1B-50      | straight crimp/crimp plug | 82   | B6004A1-NT3G-75R-0.05-1W | terminator jack             | 107  |
|                            |                                            |      | B1121B1-ND3G-3-50       | straight crimp/crimp plug | 82   | B6051A1-NT50G-50         | bulkhead receptacle jack    | 95   |
| TM-L-FMEM-NT3G-50          | angled adapter fme nipple plug-to-tnc plug | 216  | B1121B1-ND3G-3-75       | straight crimp/crimp plug | 82   | B6051A2-NT3G-50          | bulkhead receptacle jack    | 95   |
|                            |                                            |      | B1121BA-001-ND3G-1-50   | straight crimp/crimp plug | 82   | B6121A1-004-ND3G-1A-50   | straight crimp/crimp jack   | 86   |
|                            |                                            |      | B1121BA-001-ND3G-1A-50  | straight crimp/crimp plug | 82   | B6121A1-NT3G-1-50        | straight crimp/crimp jack   | 86   |
| BNC                        |                                            |      | B1121C1-ND3G-15A-75     | straight crimp/crimp plug | 82   | B6121A1-NT3G-15-75       | straight crimp/crimp jack   | 86   |
| AC-BNC-JJ-75               | bulkhead xlr receptacle jack-to-jack       | 218  | B1121C1-ND3G-3B-75      | straight crimp/crimp plug | 82   | B6121A1-NT3G-1B-50       | straight crimp/crimp jack   | 86   |
|                            |                                            |      | B1121CA-001-ND3G-4A-75  | straight crimp/crimp plug | 83   | B6121A1-NT3G-3-50        | straight crimp/crimp jack   | 86   |
| AC-BNC-JJ-75B              | bulkhead xlr receptacle jack-to-jack       | 218  | B1121CA-002-ND3G-8A-75  | straight crimp/crimp plug | 82   | B6121A1-NT3G-3-75        | straight crimp/crimp jack   | 86   |
|                            |                                            |      | B1121E1-ND3G-5-50       | straight crimp/crimp plug | 85   | B6121A1-NT3G-3A-75       | straight crimp/crimp jack   | 86   |
| AC-BNC-JJA-75              | bulkhead xlr receptacle jack-to-jack       | 218  | B1121E1-ND3G-5A-50      | straight crimp/crimp plug | 85   | B6121A1-NT3G-7B-50       | straight crimp/crimp jack   | 86   |
|                            |                                            |      | B1121E1-ND3G-6-50       | straight crimp/crimp plug | 85   | B6121A2-NT3G-18-75       | straight crimp/crimp jack   | 86   |
| AC-BNC-PJ-75B              | bulkhead xlr receptacle jack-to-jack       | 218  | B1121E1-ND3G-6A-75      | straight crimp/crimp plug | 85   | B6121A2-NT3G-19-75       | straight crimp/crimp jack   | 86   |
|                            |                                            |      | B1121E2-003-ND3G-6-75   | straight crimp/crimp plug | 85   | B6121A2-NT3G-8A-75       | straight crimp/crimp jack   | 86   |
| C-BNC-PJ-75B               | bulkhead xlr receptacle jack-to-jack       | 218  | B1121E9-002-NTPX3G-6-75 | straight crimp/crimp plug | 83   | B6121A2-NT3G-8B-75       | straight crimp/crimp jack   | 86   |
|                            |                                            |      | B1121F9-003-NTPX3G-6-75 | straight crimp/crimp plug | 83   | B6121A6-NT3G-7C-50       | straight crimp/crimp jack   | 86   |
| AC-BNC-PJA-75              | bulkhead xlr receptacle jack-to-jack       | 218  | B1121FA-001-ND3G-5-50   | straight crimp/crimp plug | 83   | B6121B1-ND3G-1-50        | straight crimp/crimp jack   | 86   |
|                            |                                            |      | B1121FA-001-ND3G-6-50   | straight crimp/crimp plug | 83   | B6121B1-ND3G-16-75       | straight crimp/crimp jack   | 86   |
| B1004A1-ND3G-50R-0.01-0.5W | terminator plug                            | 106  | B1121G1-ND3G-5-50       | straight crimp/crimp plug | 82   | B6121B1-ND3G-3-50        | straight crimp/crimp jack   | 86   |
| B1004A1-ND3G-75R-0.05-1W   | terminator plug                            | 106  | B1121G1-ND3G-6-75       | straight crimp/crimp plug | 82   | B6121E1-ND3G-5-50        | straight crimp/crimp jack   | 86   |
| B1004A1-ND3G-93R-0.05-1W   | terminator plug                            | 106  | B1121H1-001-ND3G-14-50  | straight crimp/crimp plug | 83   | B6121E1-ND3G-5A-50       | straight crimp/crimp jack   | 86   |
| B1004A1-NT3G-50R-0.5W      | terminator plug                            | 106  | B1121H1-001-ND3G-5-50   | straight crimp/crimp plug | 82   | B6121E1-ND3G-6-75        | straight crimp/crimp jack   | 86   |
| B1004A1-NT3G-75R-0.05-1W   | terminator plug                            | 106  | B1121H1-001-ND3G-6-75   | straight crimp/crimp plug | 82   | B6121E1-ND3G-6A-75       | straight crimp/crimp jack   | 86   |
| B1004A1-NT3G-93R-0.05-1W   | terminator plug                            | 106  | B1122A1-NT3G-1-50       | angled crimp/crimp plug   | 85   | B6121G1-NT3G-14-50       | straight crimp/crimp jack   | 86   |
| B1004A3-NT3G-50R           | terminator plug                            | 106  | B1122A1-ND3G-3-50       | angled crimp/crimp plug   | 85   | B6131A1-ND3G-1-50        | straight twist-on jack      | 92   |
| B1004A3-NT3G-75R-0.01-0.5W | terminator plug                            | 106  | B1122A1-ND3G-3-75       | angled crimp/crimp plug   | 85   | B6131A1-ND3G-2-50        | straight twist-on jack      | 92   |
| B1005A1-001-N              | cap male                                   | 107  | B1122A1-NT3G-15-75      | angled crimp/crimp plug   | 85   | B6131A1-ND3G-3-50        | straight twist-on jack      | 92   |
| B1005A1-N                  | cap male                                   | 107  | B1122A1-NT3G-8-75       | angled crimp/crimp plug   | 85   | B6141A1-NT3G-1-50        | straight clamp jack         | 91   |
| B1007A1-NT3G               | shorting cap male                          | 107  | B1122B1-001-ND3G-1-50   | angled crimp/crimp plug   | 85   | B6141A1-NT3G-3-50        | straight clamp jack         | 91   |
| B1007A2-NT3G               | shorting cap male                          | 107  | B1122B1-001-ND3G-3-75   | angled crimp/crimp plug   | 85   | B6141A1-NT3G-3-75        | straight clamp jack         | 91   |
| B1111L1-001-ND3G-1-50      | straight crimp plug                        | 82   | B1122B1-001-ND3G-75     | angled crimp/crimp plug   | 85   | B6141A2-NT3G-7A-50       | straight clamp jack         | 91   |
| B1111L1-001-ND3G-3-50      | straight crimp plug                        | 82   | B1122E1-002-ND3G-5-50   | angled crimp/crimp plug   | 86   | B6141G1-NT3G-1-50        | straight clamp jack         | 93   |
| B1112A1-ND3G-1-50          | angled crimp/solder plug                   | 84   | B1122E1-ND3G-6-75       | angled crimp/crimp plug   | 86   | B6141G1-NT3G-3-50        | straight clamp jack         | 93   |
| B1112A1-ND3G-1A-50         | angled crimp/solder plug                   | 84   | B1122F1-001-ND3G-5-50   | angled crimp/crimp plug   | 86   | B6141G1-NT3G-3-75        | straight clamp jack         | 93   |
| B1112A1-ND3G-3-50          | angled crimp/solder plug                   | 84   | B1122F1-001-ND3G-6-75   | angled crimp/crimp plug   | 86   | B6181A1-N/3GT3G-10-50    | straight solder jack        | 86   |
| B1112A1-ND3G-3-75          | angled crimp/solder plug                   | 84   | B1131A1-ND3G-1-50       | straight twist-on plug    | 92   | B6181A1-N/3GT3G-11-50    | straight solder jack        | 86   |
| B1112A1-NT3G-1-50          | angled crimp/solder plug                   | 84   | B1131A1-ND3G-3-50       | straight twist-on plug    | 92   | B625100-005-NT3G-75      | straight pcb jack           | 98   |
| B1112A1-NT3G-1B-50         | angled crimp/solder plug                   | 84   | B1131A1-ND3G-3-75       | straight twist-on plug    | 92   | B625100-006-NT3G-50      | pcb edge mount jack         | 99   |
| B1112A1-NT3G-3-75          | angled crimp/solder plug                   | 84   | B1131A1-ND3G-8-50       | straight twist-on plug    | 92   | B625100-006-NT3G-75      | pcb edge mount jack         | 99   |
| B1112A4-ND3G-7B-50         | angled crimp/solder plug                   | 84   | B1131B1-001-ND3G-1-50   | straight twist-on plug    | 92   | B625100-008-NT3G-50      | straight pcb jack           | 98   |
| B1112A4-NT3G-7-50          | angled crimp/solder plug                   | 84   | B1131B1-001-ND3G-3-50   | straight twist-on plug    | 92   | B625100-009-NT3G-50      | straight pcb jack           | 97   |
| B1112A4-NT3G-7A-50         | angled crimp/solder plug                   | 84   | B1131B1-001-ND3G-3-75   | straight twist-on plug    | 92   | B625100-009-NT3G-75      | straight pcb jack           | 97   |
| B1112A4-NT3G-7C-50         | angled crimp/solder plug                   | 84   | B1131B1-001-ND3G-8-75   | straight twist-on plug    | 92   | B6251C1-003-NT3G-50      | straight pcb jack           | 97   |
| B1112A6-NT3G-18-75         | angled crimp/solder plug                   | 84   | B1132B1-001-ND3G-1-50   | angled twist-on plug      | 92   | B6251C1-004-NT3G-50      | straight pcb jack           | 97   |
| B1112A6-NT3G-19-75         | angled crimp/solder plug                   | 84   | B1132B1-001-ND3G-3-50   | angled twist-on plug      | 92   | B6251C1-005-NT30G-75T    | straight pcb jack           | 98   |
| B1112A6-NT3G-3-75          | angled crimp/solder plug                   | 84   | B1132B1-001-ND3G-3-75   | angled twist-on plug      | 92   | B6251C1-NT3G-50          | straight pcb jack           | 97   |
| B1112B1-001-ND3G-1-50      | angled crimp/solder plug                   | 84   | B1141A1-ND3G-1-50       | straight clamp plug       | 90   | B6251C1-NT3G-75          | straight pcb jack           | 97   |
| B1112B1-001-ND3G-3-50      | angled crimp/solder plug                   | 84   | B1141A1-ND3G-3-50       | straight clamp plug       | 90   | B6251D1-NPB3G-50         | straight pcb jack           | 97   |
| B1112B1-001-ND3G-3-75      | angled crimp/solder plug                   | 84   | B1141A1-ND3G-3-75       | straight clamp plug       | 90   | B6251D1-NPB3G-75         | straight pcb jack           | 97   |
| B1112E1-ND3G-16-75         | angled crimp/solder plug                   | 85   | B1141A2-NT3G-7A-50      | straight clamp plug       | 90   | B6251E1-NT3G-50          | straight pcb jack           | 98   |
| B1112E1-ND3G-16A-75        | angled crimp/solder plug                   | 85   | B1141A2-NT3G-7E-75      | straight clamp plug       | 90   | B6251F1-NT3G-50          | straight pcb jack           | 98   |
| B1112E1-ND3G-5-50          | angled crimp/solder plug                   | 85   | B1141C1-ND3G-1-50       | straight clamp plug       | 90   | B6251F1-NT3G-75          | straight pcb jack           | 98   |

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| B6251G1-NPP3G-75T      | straight pcb jack         | 100  | B6721A1-NT3G-3-50        | bulkhead crimp/crimp jack         | 89   | OS-7219-N                  | terminator male                        | 173  |
| B6251G2-NPP3G-50       | straight pcb jack         | 100  | B6721A1-NT3G-3-75        | bulkhead crimp/crimp jack         | 89   | OS-7223B-NPPT              | bulkhead receptacle jack               | 169  |
| B6251G2-NPP3G-75T      | straight pcb jack         | 100  | B6721E1-NT3G-5-50        | bulkhead crimp/crimp jack         | 88   | OS-7223L-NPPT              | bulkhead receptacle jack               | 169  |
| B6251G3-NPP3G-50       | straight pcb jack         | 100  | B6721E1-NT3G-6-75        | bulkhead crimp/crimp jack         | 88   | OS-7234-NDN                | bulkhead adapter plug-plug             | 172  |
| B6251G3-NPP3G-75T      | straight pcb jack         | 100  | B675100-001-NT3G-50      | bulkhead receptacle jack          | 94   | OS-7236-NPPN               | adapter jack-to-plug                   | 172  |
| B6251PF-001-NT10G-50   | receptacle pcb jack       | 101  | B705000-NPB3G-75         | Dual Port PCB receptacle          | 101  | OS-7265-NDN-8              | angled twist-on plug                   | 168  |
| B6251Q1-001-NT3G-50    | pcb edge mount jack       | 99   | B705001-NPB3G-75         | Dual Port PCB receptacle          | 101  |                            |                                        |      |
| B6251Q1-001-NT3G-75    | pcb edge mount jack       | 99   | B7071A1-ND3G-50          | bulkhead adapter jack-to-jack 104 | 104  | <b>Filtered Connectors</b> |                                        |      |
| B6252H5-NPP3G-50       | angled pcb jack           | 100  | B7071A1-ND3G-75          | bulkhead adapter jack-to-jack 104 | 104  | 456-102                    | bulkhead receptacle filtered           |      |
| B6252H5-NPP3G-75T      | angled pcb jack           | 100  | B7471A1-ND3G-50          | bulkhead adapter jack-to-jack 103 | 103  |                            | tnr crimp jack                         | 200  |
| B6252H6-NPP3G-50       | angled pcb jack           | 100  | B7471A1-ND3G-75          | bulkhead adapter jack-to-jack 103 | 103  | 456-107                    | angled pcb filtered bnc jack           | 199  |
| B6252H6-NPP3G-75T      | angled pcb jack           | 100  | B7471A2-ND3G-50          | bulkhead adapter jack-to-jack 103 | 103  | 456-107A                   | pcb bnc filtered bnc jack              | 199  |
| B6252H7-NPP3G-50       | angled pcb jack           | 100  | B7471A2-ND3G-75          | bulkhead adapter jack-to-jack 103 | 103  | 456-107ANF                 | pcb bnc jack                           | 199  |
| B6252H7-NPP3G-75T      | angled pcb jack           | 100  | B7471B1-ND3G-50          | bulkhead adapter jack-to-jack 103 | 103  | 456-107B                   | pcb filtered bnc jack                  | 199  |
| B6252H8-NPP3G-50       | angled pcb jack           | 100  | B7471B1-ND3G-75          | bulkhead adapter jack-to-jack 103 | 103  | 456-107BNF                 | pcb bnc jack                           | 199  |
| B6252H8-NPP3G-75T      | angled pcb jack           | 100  | B7771B1-ND3G-50          | bulkhead adapter jack-to-jack 104 | 104  | 456-107SG                  | bulkhead receptacle filtered           |      |
| B6252HA-NPP3G-50       | angled pcb jack           | 100  | B7771B1-ND3G-75          | bulkhead adapter jack-to-jack 104 | 104  |                            | bnc solder jack                        | 200  |
| B6252HA-NPP3G-75T      | angled pcb jack           | 100  | B7771B3-ND3G-50          | bulkhead adapter jack-to-jack 104 | 104  | 456-107TG                  | bulkhead receptacle filtered           |      |
| B6252HB-NPP3G-50       | angled pcb jack           | 100  | B7771B3-ND3G-75          | bulkhead adapter jack-to-jack 104 | 104  |                            | bnc solder jack                        | 200  |
| B6252HB-NPP3G-75T      | angled pcb jack           | 100  | B8073A1-ND3G-50          | tee adapter jack-to-jack-jack     | 105  | 456-117                    | angled pcb filtered bnc jack           | 199  |
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| B6321A2-003-NT3G-5-50  | bulkhead crimp/crimp jack | 88   | B9073D1-ND3G-75          | tee adapter jack-to-jack-plug     | 106  | 456-117NF                  | angled pcb bnc jack                    | 199  |
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| B6351B1-004-NT3G-50    | bulkhead pcb jack         | 99   | MNB1121A1-NT30G-16-75    | straight crimp plug               | 102  | 456-208                    | bulkhead receptacle filtered           |      |
| B6351B1-ND3G-50        | bulkhead receptacle jack  | 94   | MNB1121A1-NT30G-16A-75   | straight crimp plug               | 102  |                            | bnc crimp jack                         | 200  |
| B6351B1-ND3G-75        | bulkhead receptacle jack  | 94   | MNB1121A1-NT30G-8A-75    | straight crimp plug               | 102  | 456-208G                   | bulkhead receptacle grounded           |      |
| B6351B1-NT3G-50        | bulkhead receptacle jack  | 94   | MNB1121C1-NT30G-18-75    | straight crimp plug               | 102  |                            | bnc crimp jack                         | 200  |
| B6351B2-ND3G-50        | bulkhead receptacle jack  | 94   | MNB1121E1-NT30G-6-75     | straight crimp plug               | 102  | 456-218                    | bulkhead receptacle filtered           |      |
| B6351B2-ND3G-75        | bulkhead receptacle jack  | 94   | MNB6251A1-001-3GT30G-75  | receptacle pcb jack               | 102  |                            | bnc crimp jack                         | 200  |
| B6351B3-ND3G-50        | bulkhead receptacle jack  | 94   | MNB6251A1-001-NT30G-75   | receptacle pcb jack               | 102  | 456-218G                   | bulkhead receptacle grounded           |      |
| B6351B3-ND3G-75        | bulkhead receptacle jack  | 94   | MNB6252A1-001-NT30G-75   | angled receptacle jack            | 102  |                            | bnc jack                               | 200  |
| B6381A1-N/3GT3G-11-50  | bulkhead solder jack      | 89   | MNB6721C1-001-NT30G-75   | bulkhead crimp jack               | 102  | 456-717                    | angled pcb filtered bnc jack           | 199  |
| B6381-N/3GT3G-11-75    | bulkhead solder jack      | 89   | OS-7078-NDG              | tee adapter jack-to-jack-plug     | 106  | 456-717F                   | angled pcb filtered bnc jack           | 199  |
| B6421A1-003-NT3G-75    | bulkhead crimp/crimp jack | 87   | OS-7078-NT3G             | tee adapter jack-to-jack-plug     | 106  | 456-717G                   | angled pcb grounded bnc jack           | 199  |
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| B6421A1-NT3G-15-75     | bulkhead crimp/crimp jack | 87   | DS1111C1-3GT3G-5-50      | straight crimp plug               | 179  | 456-915                    | adapter filtered bnc jack-jack         | 201  |
| B6421A1-NT3G-16-75     | bulkhead crimp/crimp jack | 88   | DS1111C2-3GT3G-6-75      | straight crimp plug               | 179  | 456-917                    | adapter filtered bnc jack-jack         | 201  |
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| B6441A1-NT3G-6-75      | bulkhead clamp jack       | 91   | F5002I-N-1186A           | straight crimp plug               | 167  | MCX1112A1-3GT30G-5-50      | angled crimp/solder plug               | 20   |
| B6441A2-NT3G-1-50      | bulkhead clamp jack       | 91   | F5002-N-1855A            | straight crimp plug               | 167  | MCX1112A1-3GT30G-5A-50     | angled crimp/solder plug               | 20   |
| B6481A1-N/3GT3G-10-50  | bulkhead solder jack      | 84   | F5002-N-3                | straight crimp plug               | 167  | MCX1112A1-3GT30G-6-75      | angled crimp/solder plug               | 20   |
| B6481A1-N/3GT3G-11-50  | bulkhead solder jack      | 84   | F5002-N-8                | straight crimp plug               | 167  | MCX1112A1-3GT30G-6A-75     | angled crimp/solder plug               | 20   |
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| B6521E1-NT3G-5-50      | panel crimp/crimp jack    | 90   | F6252A1-004-TD3G-75      | angled pcb receptacle jack        | 171  | MCX1112A1-NT30G-6-75       | angled crimp/solder plug               | 20   |
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| B6521F1-NT3G-5A-50     | panel crimp/crimp jack    | 90   | F6252A1-NPPT-75          | angled pcb receptacle jack        | 171  | MCX1112A1-002-3GT30G-5A-50 | straight crimp/crimp plug              | 19   |
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| B6551A1-NT3G-75        | panel receptacle jack     | 95   | F6411A1-002-TPPT-6       | bulkhead crimp jack               | 169  | MCX1112A1-3GT30G-14-50     | straight crimp/crimp plug              | 19   |
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| B6551E1-001-NT3G-50    | panel receptacle jack     | 96   | F6411A2-NT3G-3-75        | straight crimp jack               | 168  | MCX1112A1-3GT30G-6-75      | straight crimp/crimp plug              | 19   |
| B6551E1-002-NT30G-50   | panel receptacle jack     | 96   | F6411A2-NT3G-3-75        | bulkhead crimp jack               | 169  | MCX1112A1-3GT30G-6A-75     | straight crimp/crimp plug              | 19   |
| B6551E1-002-ST30GA-50  | panel receptacle jack     | 96   | F6411A2-NT3G-8-75        | bulkhead crimp jack               | 169  | MCX1112A1-NT30G-14-50      | straight crimp/crimp plug              | 19   |
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| TMN0111B1-3G-3               | straight crimp pcb terminator  | 71   | SMA1551H1-3GT50G-50        | panel plug receptacle             | 44   | SMA7071A4-S/PT50G-50      | adapter jack-to-jack              | 47   |
| TMN0111B1-N-1                | straight crimp pcb terminator  | 71   | SMA1551K1-3GT50G-.015-50   | panel solder plug receptacle      | 45   | SMA7072A1-3GT50G-50       | angled adapter jack-to-jack       | 48   |
| TMN0111B2-3G-5               | straight crimp pcb terminator  | 71   | SMA1551L1-3GT50G-.015-50   | panel solder plug receptacle      | 45   | SMA7471B1-3GT50G-50       | bulkhead adapter jack-to-jack     | 47   |
| TMN0111B2-3G-5A              | straight crimp pcb terminator  | 71   | SMA1551M1-3GT50G-50        | panel plug receptacle             | 46   | SMA8073A1-3GT50G-50       | tee adapter jack-to-jack          | 48   |
| TMN0111B2-N-5                | straight crimp pcb terminator  | 71   | SMA1551N1-3GT50G-50        | panel plug receptacle             | 46   | SMA9073A1-3GT50G-50       | tee adapter jack-plug-jack        | 48   |
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| TMN0111B3-14                 | straight crimp pcb terminator  | 71   | SMA2071A1-S/PT50G-50       | adapter plug-to-plug              | 47   | SMB1051A2-003-3GT30G-50   | bulkhead jack receptacle          | 62   |
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| TMN0111T1-3G-5               | straight crimp pcb terminator  | 71   | SMA6111A3-3GT50G-1A-50     | straight crimp/solder jack        | 31   | SMB112A1-3GT30G-5-50      | straight crimp/crimp jack         | 55   |
| TMN0111T1-3G-5A              | straight crimp pcb terminator  | 71   | SMA6111A3-3GT50G-1B-50     | straight crimp/solder jack        | 31   | SMB112A1-3GT30G-5A-50     | straight crimp/crimp jack         | 55   |
| TMN0111T2-3G-1               | straight crimp pcb terminator  | 71   | SMA6111A4-001-3GT50G-5-50  | straight crimp/solder jack        | 31   | SMB112A1-NT30G-5-50       | straight crimp/crimp jack         | 55   |
| TMN0111T2-3G-1A              | straight crimp pcb terminator  | 71   | SMA6111A4-3GT50G-30-5A-50  | straight crimp/solder jack        | 31   | SMB112A1-NT30G-5A-50      | straight crimp/crimp jack         | 55   |
| TMN0112U1-3G-14              | angled crimp pcb terminator    | 71   | SMA6111A4-3GT50G-5-50      | straight crimp/solder jack        | 31   | SMB1141C1-NT30G-5-50      | straight clamp jack               | 58   |
| TMN0112U1-3G-5               | angled crimp pcb terminator    | 71   | SMA6111A5-3GT50G-7B-50     | straight crimp/solder jack        | 31   | SMB1141C1-3GT3G-5-50      | straight clamp jack               | 58   |
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| TMN0411A1-N-5A               | bulkhead crimp terminator      | 72   | SMA6181A1-3GT50G-10-50     | straight solder jack              | 28   | SMB1181A1-3GT30G-13-50    | straight solder jack              | 56   |
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| TMN0411A2-N-16               | bulkhead crimp terminator      | 72   | SMA6251A1-019-3GT50G-50    | end launch jack receptacle        | 37   | SMB1251B1-3GT30G-50       | straight pcb jack                 | 59   |
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| SMB6121AA-3GT30G-19-75     | straight crimp/crimp plug         | 54   | SMZ1121A6-NT30G-6-75        | straight crimp/crimp jack   | 67   | T1121G2-NT3G-5-50           | straight crimp/crimp plug    | 112  |
| SMB6121L1-N/3GT30G-16-50   | straight crimp/crimp plug         | 55   | SMZ1121A6-3GT30G-6-75       | straight crimp/crimp jack   | 67   | T1122A1-ND3G-1-50           | angled crimp/crimp plug      | 114  |
| SMB6121L1-N/3GT30G-16A-50  | straight crimp/crimp plug         | 55   | SMZ1121A6-3GT30G-19-75      | straight crimp/crimp jack   | 67   | T1122A1-ND3G-1A-50          | angled crimp/crimp plug      | 114  |
| SMB6141C1-NT30G-5-50       | straight clamp plug               | 57   | SMZ1252B1-3GT30G-75         | straight pcb jack           | 69   | T1122A1-ND3G-3-50           | angled crimp/crimp plug      | 114  |
| SMB6141C1-3GT30G-5-50      | straight clamp plug               | 57   | SMZ1252B4-001-3GT30G-75     | straight pcb jack           | 69   | T1122A1-ND3G-3-75           | angled crimp/crimp plug      | 114  |
| SMB6141E1-3GT30G-5-50      | straight clamp plug               | 57   | SMZ1252B4-3GT30G-75         | straight pcb jack           | 69   | T1122E1-ND3G-5-50           | angled crimp/crimp plug      | 115  |
| SMB6141E1-NT30G-5-50       | straight clamp plug               | 57   | SMZ1251B6-002-3GT30G-75     | straight pcb jack           | 68   | T1122E1-ND3G-5A-50          | angled crimp/crimp plug      | 115  |
| SMB6142C1-NT30G-5-50       | angled clamp plug                 | 58   | SMZ1251B6-3GT30G-75         | straight pcb jack           | 68   | T1122E1-ND3G-6-75           | angled crimp/crimp plug      | 115  |
| SMB6142C1-3GT30G-5-50      | angled clamp plug                 | 58   | SMZ1421G6-3GT30G-6-75       | bulkhead crimp/crimp jack   | 68   | T1131A1-ND3G-1-50           | straight twist-on plug       | 120  |
| SMB6142E1-3GT30G-5-50      | angled clamp plug                 | 58   | SMZ6112A6-3GT30G-6-75       | angled crimp/crimp plug     | 68   | T1131A1-ND3G-3-50           | straight twist-on plug       | 120  |
| SMB6142E1-NT30G-5-50       | angled clamp plug                 | 58   | SMB6112A6-3GT30G-19-75      | angled crimp/crimp plug     | 68   | T1131A1-ND3G-3-75           | straight twist-on plug       | 120  |
| SMB6181A1-3GT30G-11-50     | straight solder plug              | 54   | SMZ6112A6-NT30G-6-75        | angled crimp/crimp plug     | 68   | T1132A1-ND3G-1-50           | angled twist-on plug         | 120  |
| SMB6181A1-3GT30G-13-50     | straight solder plug              | 54   | SMZ6112L1-N/3GT30G-19-75    | angled crimp/crimp plug     | 67   | T1132A1-ND3G-3-50           | angled twist-on plug         | 120  |
| SMB6182A1-3GT30G-11-50     | angled solder plug                | 56   | SMZ6112L1-N/3GT30G-6-75     | angled crimp/crimp plug     | 67   | T1132A1-ND3G-3-75           | angled twist-on plug         | 120  |
| SMB6182A1-3GT30G-13-50     | angled solder plug                | 56   | SMZ6112L1-N/3GT30G-6A-75    | angled crimp/crimp plug     | 67   | T1141A1-ND3G-1-50           | straight clamp plug          | 121  |
| SMB6251B1-3GT30G-50        | straight pcb plug                 | 59   | SMZ6121A6-002-N/3GT30G-6-75 | straight crimp/crimp plug   | 67   | T1141A1-ND3G-3-50           | straight clamp plug          | 121  |
| SMB6251B1-NT30G-50         | straight pcb plug                 | 59   | SMZ6121A6-3GT30G-16-75      | straight crimp/crimp plug   | 67   | T1141A1-ND3G-3-75           | straight clamp plug          | 121  |
| SMB6251B4-001-NT30G-50     | straight crimp/crimp plug         | 59   | SMZ6121A6-3GT30G-16A-75     | straight crimp/crimp plug   | 67   | T1141A2-001-NT3G-7A-50      | straight clamp plug          | 121  |
| SMB6252B1-3GT30G-50        | angled pcb plug                   | 60   | SMZ6121A6-3GT30G-19-75      | straight crimp/crimp plug   | 67   | T1141A2-NT3G-7C-50          | straight clamp plug          | 121  |
| SMB6252B1-NT30G-50         | angled pcb plug                   | 60   | SMZ6121A6-3GT30G-6-75       | straight crimp/crimp plug   | 67   | T1141C1-ND3G-1-50           | straight clamp plug          | 121  |
| SMB7071A1-3GT30G-50        | adapter plug-to-plug              | 63   | SMZ6121L1-N/3GT30G-19-75    | straight crimp/crimp plug   | 67   | T1141C1-ND3G-3-50           | straight clamp plug          | 121  |
| SMB7071A1-NT30G-50         | adapter plug-to-plug              | 63   | SMZ6121L1-N/3GT30G-6-75     | straight crimp/crimp plug   | 67   | T1141C1-ND3G-5-50           | straight clamp plug          | 121  |
| SMB74971-001-3GT30G-50     | angled bulkhead pcb jack          | 61   | SMZ6121L1-N/3GT30G-6-75     | straight crimp/crimp plug   | 67   | T1141G1-ND3G-1-50           | straight clamp plug          | 121  |
| SMC1121G1-3GT30G-5-50      | straight crimp/crimp jack         | 55   | T431421B2-N/10GT30G-2001-75 | straight crimp plug         | 69   | T1141G1-ND3G-3-50           | straight clamp plug          | 122  |
| SMC1121G1-NT30G-5-50       | straight crimp/crimp jack         | 55   | T431421B2-N/10GT30G-2002-75 | straight crimp plug         | 69   | T1141G1-ND3G-3-75           | straight clamp plug          | 122  |
| SMC1251B1-3GT30G-50        | straight pcb jack                 | 59   | T431421B2-N/10GT30G-2003-75 | straight crimp plug         | 69   | T1142E1-ND3G-1-50           | angled clamp plug            | 122  |
| SMC1251B1-NT30G-50         | straight pcb jack                 | 59   | T431421B1-N/10GT30G-6-75    | straight crimp plug         | 69   | T1142E1-ND3G-3-50           | angled clamp plug            | 122  |
| SMC1252B1-3GT30G-50        | angled pcb jack                   | 60   | T431421B2-N/10GT30G-3002-75 | straight crimp plug         | 69   | T1142E1-ND3G-3-75           | angled clamp plug            | 122  |

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