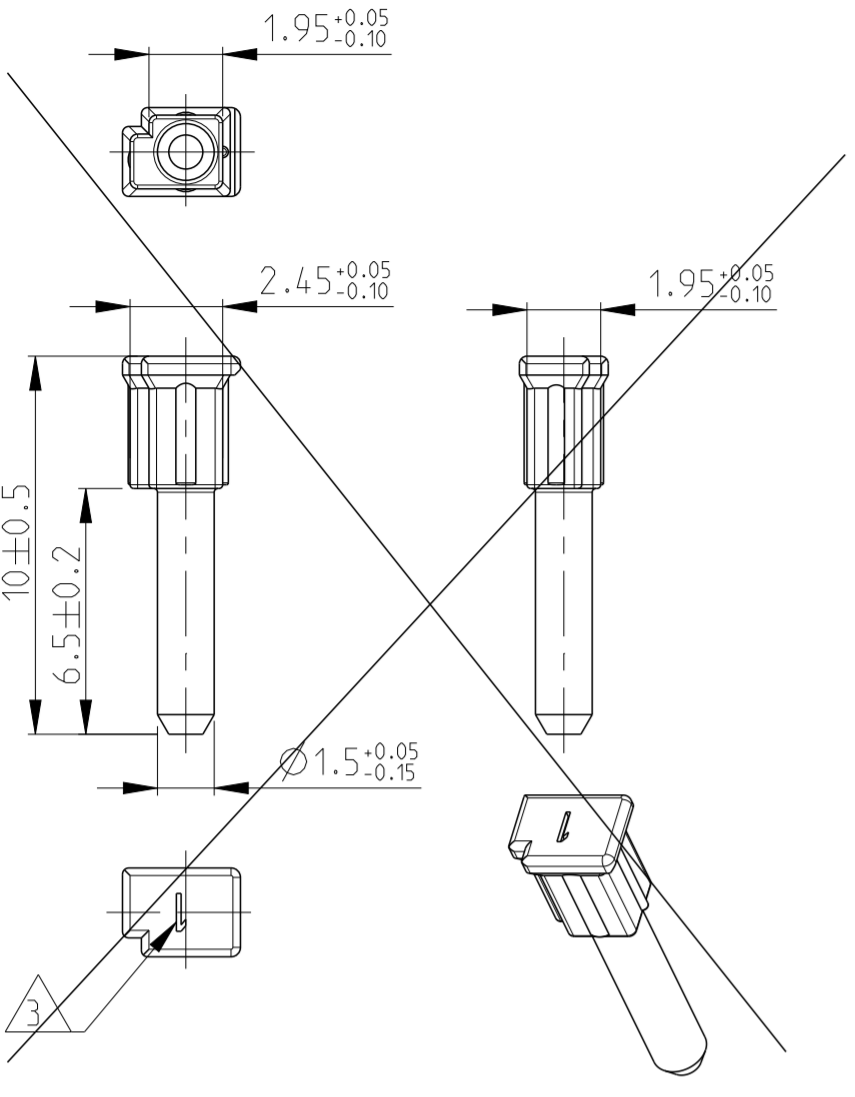


| LOC          | DIST | REVISIONS   |               |           |     |      |
|--------------|------|-------------|---------------|-----------|-----|------|
| A1           | -    | AENDERUNGEN | DESCRIPTION   | DATE      | DWN | APVD |
| PROJEKT NR.: |      | B           | ECR-13-011179 | 15JUL2013 | MS  | AS   |

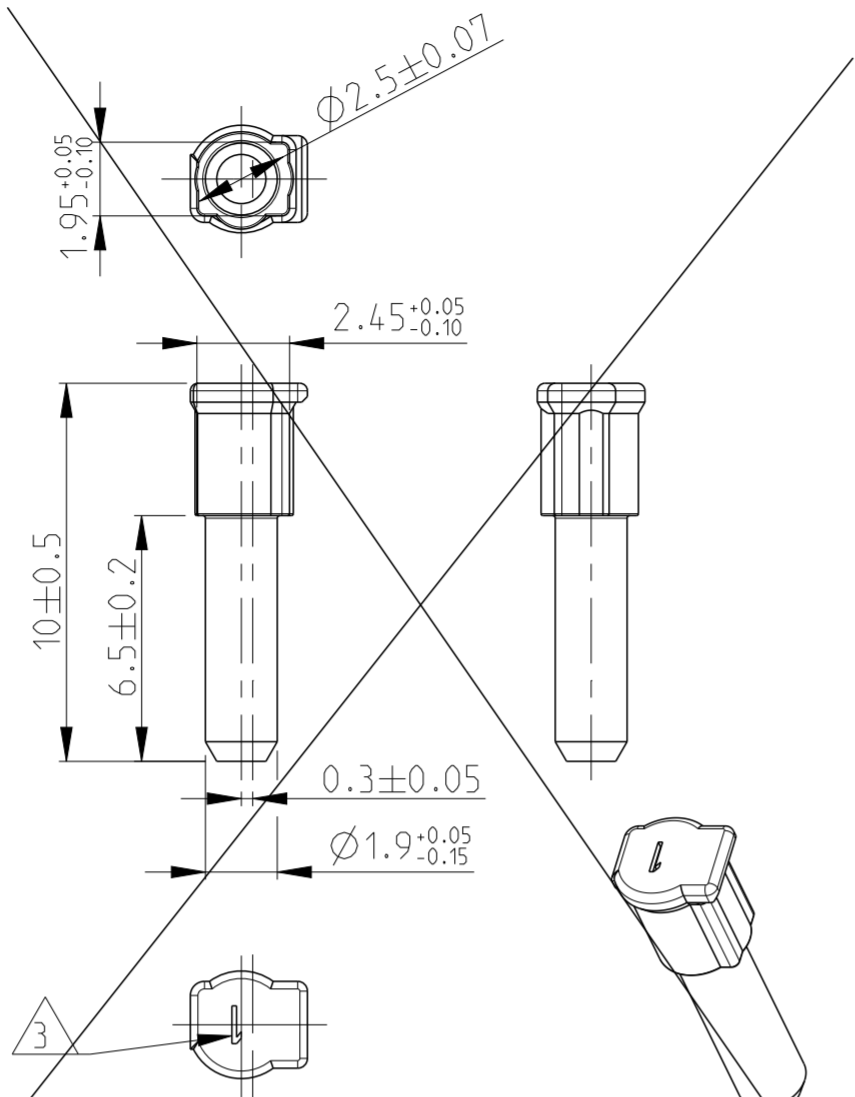
ITEM 1: 0-1452424-1



FOR CAVITY: WIRE SIZE UP TO 0.75 mm<sup>2</sup>  
 Fuer Kammer: Drahtgroesse bis 0.75 mm<sup>2</sup>

0-1452424-1 SUPERSEDED BY 1-1452424-1  
 0-1452424-1 ersetzt durch 1-1452424-1

ITEM 2: 0-1452424-2



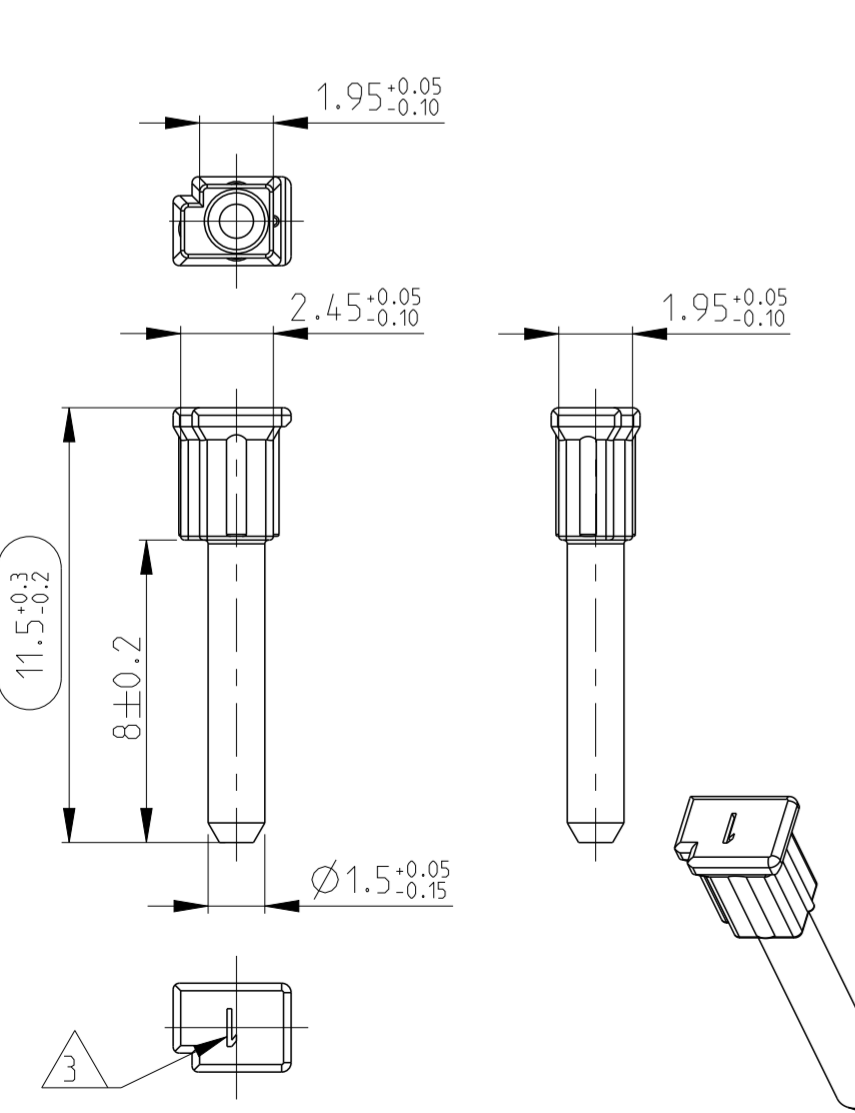
FOR CAVITY: WIRE SIZE UP TO 1.5 mm<sup>2</sup>  
 Fuer Kammer: Drahtgroesse bis 1.5 mm<sup>2</sup>

0-1452424-2 SUPERSEDED BY 1-1452424-2  
 0-1452424-2 ersetzt durch 1-1452424-2

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  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
<http://www.100y.com.tw>

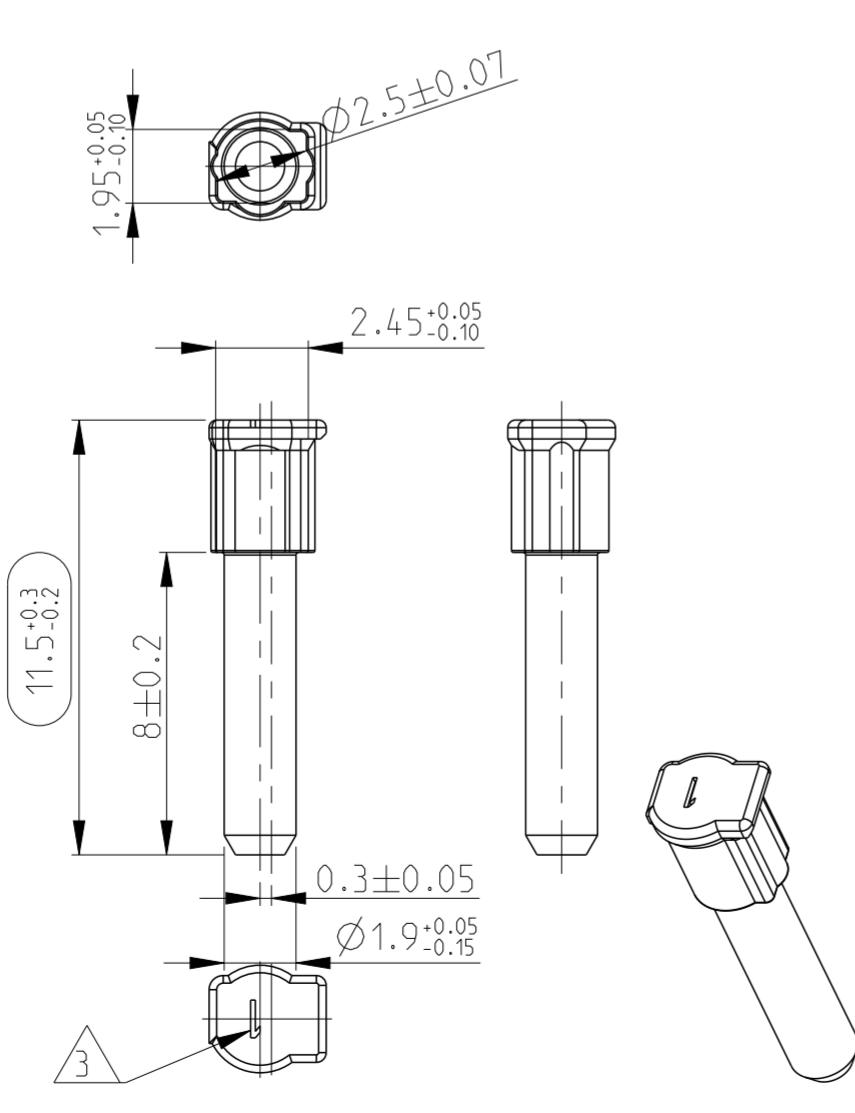
- NOTES:  
Bemerkungen:
- ONLY THE GERMAN LANGUAGE VERSION IS AUTHORITATIVE  
Massgebend ist nur der deutsche Text
  - FUNCTIONAL MEASUREMENTS MARKED WITH   ARE DOCUMENTED IN THE EMPB. NOT MARKED MEASUREMENTS ARE MEASURED, BUT NOT DOCUMENTED IN THE EMPB. DEVIATIONS HAVE TO BE CORRECTED.  
Funktionsbestimmende Masse, die mit   gekennzeichnet sind, werden im EMPB dokumentiert. Nicht gekennzeichnete Masse werden ebenfalls ausgemessen, aber nicht im EMPB dokumentiert. Abweichungen sind zu korrigieren.
  - CAVITY MARKING  
Nestmarkierung
  - PACKING: LOOSE MATERIAL IN PLASTIC BAGS  
Schuettgutverpackung in Plastikbeutel

ITEM 3: 1-1452424-1



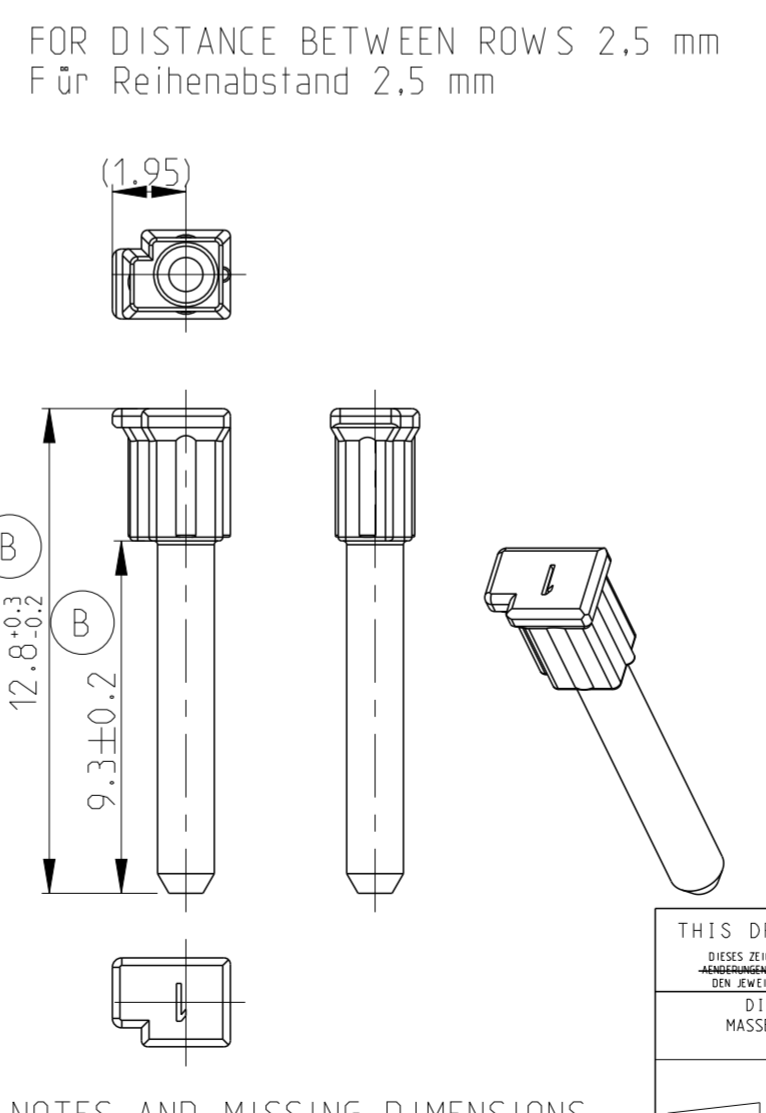
FOR CAVITY: WIRE SIZE UP TO 0.75 mm<sup>2</sup>  
 Fuer Kammer: Drahtgroesse bis 0.75 mm<sup>2</sup>

ITEM 4: 1-1452424-2



FOR CAVITY: WIRE SIZE UP TO 1.5 mm<sup>2</sup>  
 Fuer Kammer: Drahtgroesse bis 1.5 mm<sup>2</sup>

ITEM 5: 1-1452424-3



NOTES AND MISSING DIMENSIONS  
 SEE VERSION 1-1452424-1  
 Fehlende Masse und Anmerkungen  
 siehe Variante 1-1452424-1

|   |     |                       |                                   |                 |   |   |            |
|---|-----|-----------------------|-----------------------------------|-----------------|---|---|------------|
| 1-1452424-3   | B   | PA66                  | BLIND PLUG<br>0.75mm <sup>2</sup> | NATURAL         | 1703427<br>1703436  | 114-18831                               | 5          |
| 1-1452424-2   | A   | PA66                  | BLIND PLUG<br>1.5mm <sup>2</sup>  | BLUE            | 1452419<br>1452423<br>1452926<br>1452931<br>1563173                       | 114-18966                               | 4          |
| 1-1452424-1   | A   | PA66                  | BLIND PLUG<br>0.75mm <sup>2</sup> | BROWN           | 1452380<br>1452419<br>1452423<br>1452400<br>1452415<br>1563172<br>1563173 |   | 3          |
| 0-1452424-2   | A   | PA66                  | BLIND PLUG<br>1.5mm <sup>2</sup>  | GREEN           | 1452419<br>1452423<br>1452926<br>1452931                                  | 114-18534-1                             | 2          |
| 0-1452424-1   | A   | PA66                  | BLIND PLUG<br>0.75mm <sup>2</sup> | GREY            | 1452380<br>1452419<br>1452423<br>1452400<br>1452415                       |   | 1          |
| TYCO ELECTRONICS PART-NO<br>Tyco Electronics Teile-Nr | REV | MATERIAL<br>Werkstoff | DESCRIPTION<br>Benennung          | COLOUR<br>Farbe | USEABLE MATING PART<br>Passendes Gegenstueck                              | APPLICATION SPEC.<br>Verarbeitungsspez. | ITEM<br>NO |

THIS DRAWING IS A CONTROLLED DOCUMENT. DIESES ZEICHNUNGSDOKUMENT WIRD DURCH AMP INCORPORATED KONTROLLIERT. ANDERUNGEN MIT DEM ZEICHNUNGSKONTROLLIERUNGSGRUPPEN-UND-NUMMERN-DEN JEWEILS LETZTIGELIERTEN ANDERUNGSSTAND ERFAHREN SIE AUF ANFRAGE.

DIMENSIONS: MASSE IN HEITEN: (MM)

TOLERANCES UNLESS OTHERWISE SPECIFIED: DIN 16901-140

|                           |    |
|---------------------------|----|
| 0 PLC                     | ±  |
| 1 PLC                     | ±  |
| 2 PLC                     | ±  |
| 3 PLC                     | ±  |
| 4 PLC                     | ±  |
| ANGLES/WINKEL             | ±° |
| F INISH/OBERFLAECHE/FARBE |    |

MATERIAL: -

Customer Drawing

DWN: K.ROTH 06NOV2002  
 CHK: S.DENTER 06NOV2002  
 APVD: G.MUMPER 07NOV2002

NAME: BLIND PLUG FOR MCON1.2 CONTACT (CLEAN BODY) FOR WIRE SIZE 0.75mm AND 1.5 mm

SIZE: A2 CAGE CODE: 100779 DRAWING NO: 1452424 RESTRICTED TO NUR FÜR: -

SCALE: MASSSTAB 5:1 SHEET: 1 OF 1 REV: B

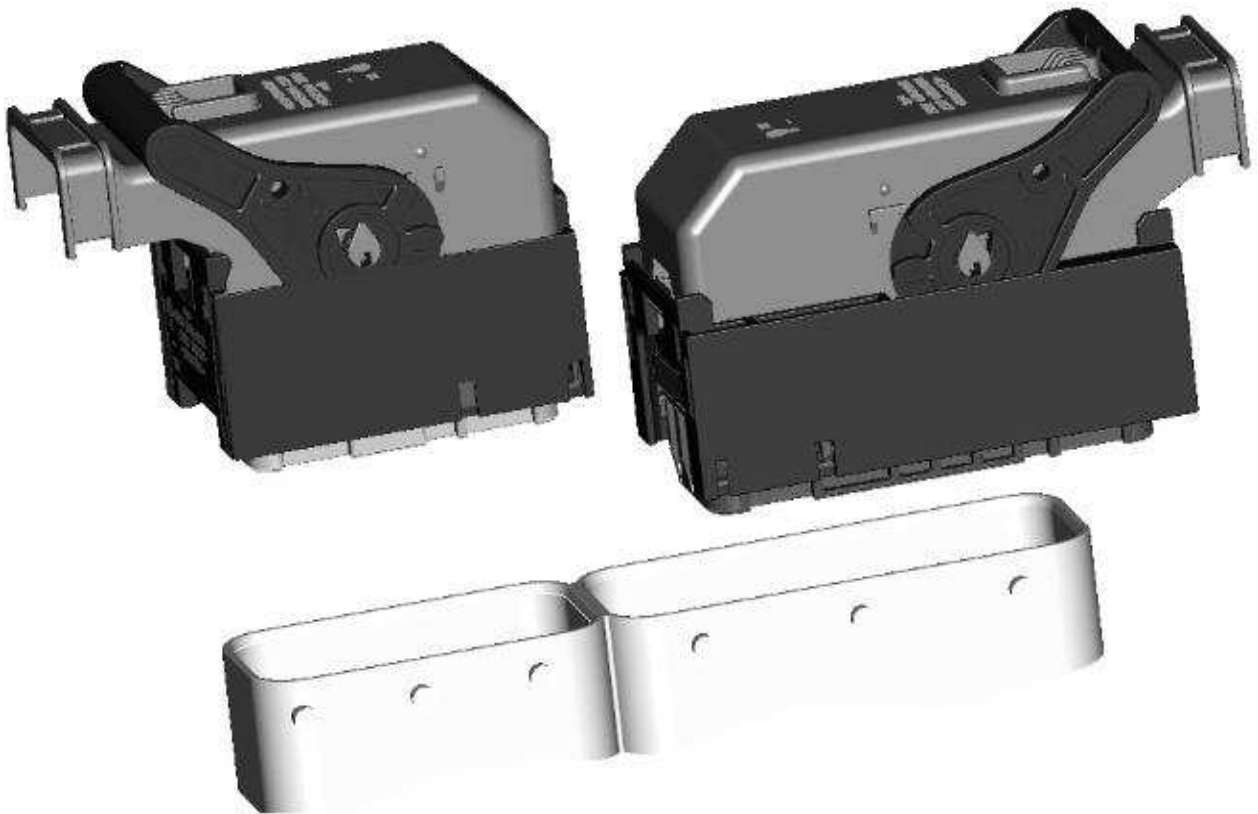
STE TE Connectivity



## **MODULAR CONNECTOR**

**154 (58 AND 96) POS,  
WATERPROOF**

## **PRODUCT SPECIFICATION**



**108-18965**



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**MODULAR CONNECTOR 154 (58 AND 96) POSITION, WATERPROOF**

---

**CONTENT:**

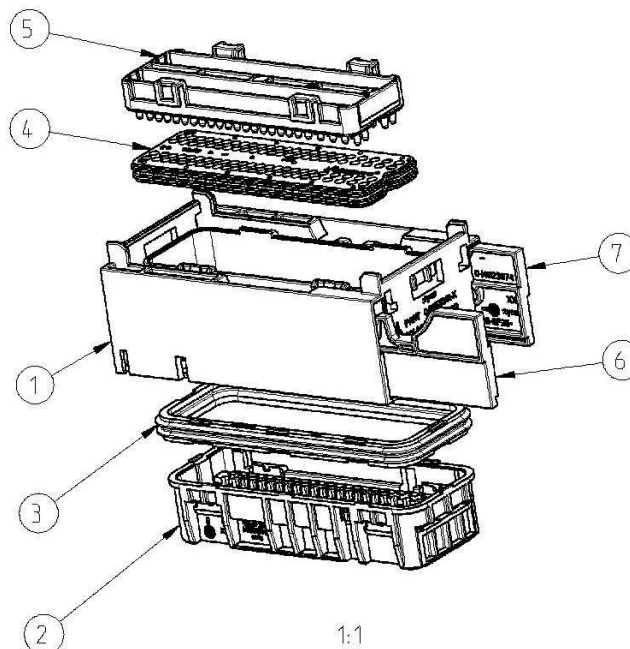
- 1 PRODUCT OVERVIEW
  - 1.1 96 POS. CONNECTOR
  - 1.2 58 POS. CONNECTOR
  - 1.3 BLIND PLUGS FOR 96 POS. AND 58 POS. CONNECTOR
  - 1.4 TERMINALS AND SWS FOR 96 POS. AND 58 POS. CONNECTOR
  - 1.5 WATER PROOF APPLICATION
  - 1.6 VALID TE CONNECTIVITY SPECIFICATIONS
- 2 RATING DATA

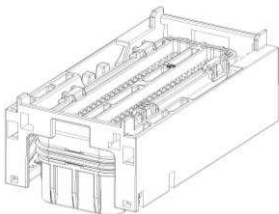

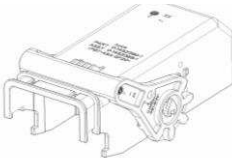
# 1 PRODUCT OVERVIEW

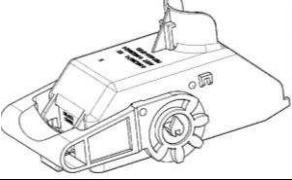
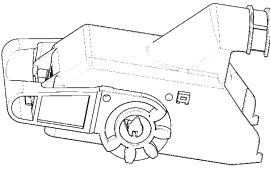
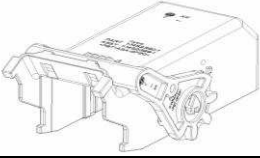
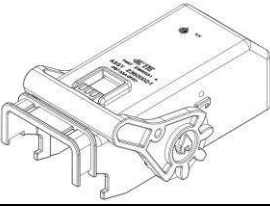
## 1.1 96 POS. CONNECTOR

THE 154 POS. PLUG-TYPE CONNECTOR IS USED FOR THE CONNECTION OF ENGINE CONTROL UNITS INSIDE THE VEHICLE ALSO AT VARIOUS INSTALLATIONS IN THE ENGINE COMPARTMENT. ON THE CABLE SIDE, THE SYSTEM HAS A MODULAR DESIGN, PERMITTING THE CONNECTION OF A SEPARATE ENGINE AND/ OR VEHICLE CABLE HARNESS.

- 1.- HOUSING
- 2.- CAVITY INSERT
- 3.- PERIPHERAL SEAL
- 4.- MAT SEAL
- 5.- COVER FOR FAMILY SEAL
- 6.- SLIDE LEFT
- 7.- SLIDE RIGHT



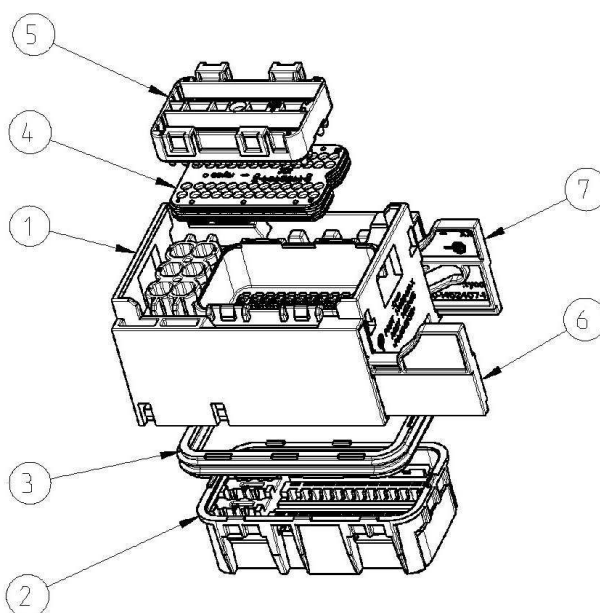
|  |  |  |
|--|--|--|
| <p><b>ASSY 96 POS. CONNECTOR</b></p> <p>(applicable cable OD, shown on specific customer drawings)</p> | <p>PN 1452380<br/>                 PN 2141628<br/>                 PN 1418360<br/>                 96 x ( 0.5 - 0.75 mm<sup>2</sup> FLR)</p> <p>PN 1452423<br/>                 72 x ( 0.5 - 0.75 mm<sup>2</sup> FLR)<br/>                 24x ( 1 - 1.5 mm<sup>2</sup> FLR)</p> <p>PN 1452419<br/>                 86 x ( 0.5 - 0.75 mm<sup>2</sup> FLR)<br/>                 10x ( 1 - 1.5 mm<sup>2</sup> FLR)</p> <p>PN 1563173<br/>                 PN 1564284<br/>                 ( 0.35 - 0.75 mm<sup>2</sup> FLR)<br/>                 ( 0.5 - 1.5 mm<sup>2</sup> FLR)</p> |  |
| <p><b>96 POS. TPA FOR TYCO 1.2 mm TERMINAL</b></p>   | <p>PN 0-1452388-1<br/>                 PN 0-1452388-2</p>  |  |
| <p><b>ASSY 96 POS. COVER 90° CABLE EXIT</b></p>  | <p>PN 0-1452389-1</p>  |  |

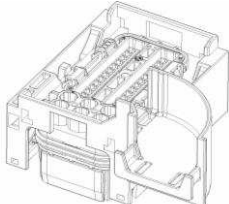
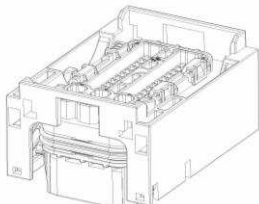



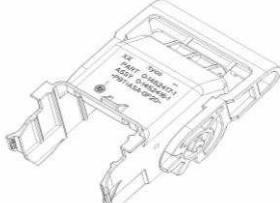
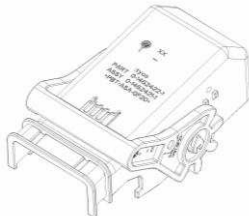
|   |                       |  |
|---|-----------------------|--|
| <p>ASSY 96 POS.<br/>COVER 180°<br/>CABLE EXIT</p>   | <p>PN 0-1452862-1</p> |    |
| <p>ASSY 96 POS.<br/>COVER 90°<br/>CABLE EXIT</p>  | <p>PN 0-1452988-1</p> |    |
| <p>ASSY 96 POS.<br/>COVER 150°<br/>CABLE EXIT</p>   | <p>PN 1-1452389-1</p> |    |
| <p>ASSY 96 POS.<br/>COVER 90°<br/>CABLE EXIT<br/>(with lever locking latch<br/>overstress protection)</p> | <p>PN 0-2360002-1</p> |  |

## 1.2 58 POS. CONNECTOR

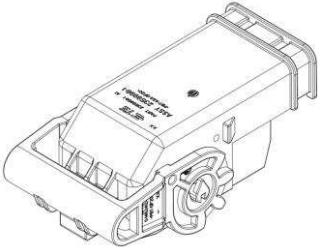
THE 154 POS. PLUG-TYPE CONNECTOR IS USED FOR THE CONNECTION OF ENGINE CONTROL UNITS INSIDE THE VEHICLE AND ALSO AT VARIOUS INSTALLATIONS IN THE ENGINE COMPARTMENT. ON THE CABLE SIDE, THE SYSTEM HAS A MODULAR DESIGN, PERMITTING THE CONNECTION OF A SEPARATE ENGINE AND/ OR VEHICLE CABLE HARNESS.

- 1.- HOUSING
- 2.- CAVITY INSERT
- 3.- PERIPHERAL SEAL
- 4.- MAT SEAL
- 5.- COVER FOR FAMILY SEAL
- 6.- SLIDE LEFT
- 7.- SLIDE RIGHT

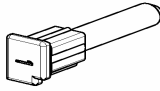
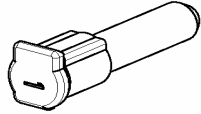



|  |   |   |
|--|---|---|
| <p><b>ASSY 58 POS. CONNECTOR<br/>CABLE EXIT „L“</b><br/>(applicable cable OD, shown on specific customer drawings)</p> | <p><b>PN 1452400</b><br/>52x ( 0.5 - 0.75 mm<sup>2</sup> FLR)</p>   |    |
| <p><b>ASSY 58 POS. CONNECTOR</b><br/>(applicable cable OD, shown on specific customer drawings)</p>                    | <p><b>PN 1452415<br/>PN 1418361<br/>PN 1823127</b><br/>52x ( 0.5 - 0.75 mm<sup>2</sup> FLR)</p> <p><b>PN 1563172<br/>PN 1564285</b><br/>( 0.35 - 0.75 mm<sup>2</sup> FLR)</p> |    |
| <p><b>58 POS. TPA FOR MCP 2.8 mm TERMINAL</b></p>  | <p><b>PN 0-1452408-1<br/>PN 0-1452408-2</b></p>   |    |
| <p><b>58 POS. TPA FOR TYCO 1.2 mm TERMINAL</b></p>   | <p><b>PN 0-1452409-1<br/>PN 0-1452409-2</b></p>   |   |
| <p><b>ASSY 58 POS. COVER<br/>CABLE EXIT „L“</b></p>  | <p><b>PN 0-1452410-1</b></p>  |  |
| <p><b>ASSY 58 POS. COVER<br/>CABLE EXIT 180 °</b></p>  | <p><b>PN 0-1452416-1</b></p>  |  |
| <p><b>ASSY 58 POS. COVER<br/>CABLE EXIT 90 °</b></p>   | <p><b>PN 0-1452421-1</b></p>  |  |

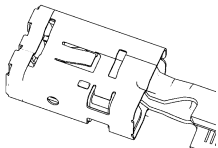
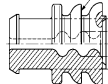
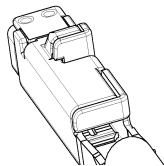


|   |                       |   |
|---|-----------------------|---|
| <p>ASSY 58<br/>POS. COVER<br/>CABLE EXIT 90 °</p> | <p>PN 0-2359998-1</p> |  |
|---|-----------------------|---|

### 1.3 BLIND PLUGS FOR 96 POS. AND 58 POS. CONNECTOR

|  |  |   |
|--|--|---|
| <p>BLIND PLUG <b>0,5-0,75 mm<sup>2</sup></b> FOR 96 POS.<br/>AND 58 POS.<br/>CONNECTOR</p> | <p>PN 0-1452424-1<br/>COLOUR: GREY<br/>(0,5-0,75mm<sup>2</sup> FLR)</p> <p>PN 1-1452424-1<br/>COLOUR: BROWN<br/>(0,5-0,75mm<sup>2</sup> FLR)</p> |    |
| <p>BLIND PLUG <b>1,0-1,5 mm<sup>2</sup></b><br/>FOR 96 POS.<br/>CONNECTOR</p>              | <p>PN 0-1452424-2<br/>COLOUR: GREEN<br/>(1 - 1,5mm<sup>2</sup> FLR)</p> <p>PN 1-1452424-2<br/>COLOUR: BLUE<br/>(1 - 1,5mm<sup>2</sup> FLR)</p>   |    |
| <p>CAVITY PLUG FOR<br/>2.8AMP MCP, 58POS.<br/>CONNECTOR</p>                                | <p>PN: 0-828906-2<br/>COLOUR: BROWN</p>  |  |

### 1.4 TERMINALS AND SWS FOR 96 POS. AND 58 POS. CONNECTOR

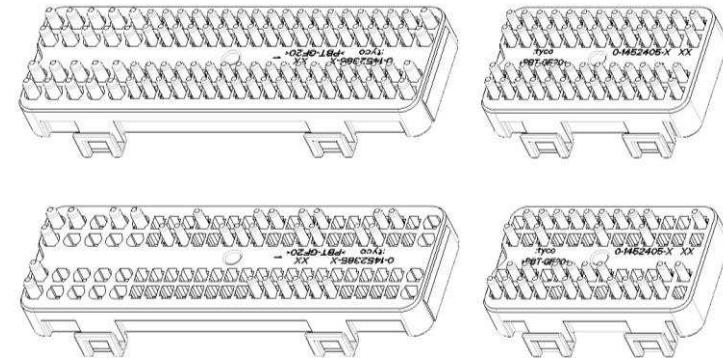
|  |  |   |
|--|--|---|
| <p>APPLICABLE<br/>AMP MCP 2,8 TERM.<br/><b>0.5-2,5mm<sup>2</sup></b> FOR<br/>58 POS.<br/>CONNECTOR</p> | <p>PARTNUMBERS:<br/>1-968882-x<br/>1-968855-x<br/>1-968857-x</p> <p>PROD SPEC 108-18513<br/>APPL SPEC: 114-18148</p> |  |
| <p>APPLICABLE SWS FOR<br/>AMP MCP 2,8 TERMINAL</p>   | <p>828904-x<br/>828905-x</p>   |  |
| <p>AMP MCP 1.2 CB<br/>TERMINAL<br/><b>0,35-1,5mm<sup>2</sup></b> FOR<br/>58 POS. CON.</p>              | <p>1394897-x<br/>1452503-x<br/>1534594-x<br/>1670144-x</p> <p>PROD SPEC 108-18782<br/>APPL SPEC: 114-18464</p>       |  |

## 1.5 WATERPROOFED APPLICATION

PERIPHERAL, THE CONNECTOR IS SEALED BY A PERIPHERAL SEAL.

THE CABLE EXIT OF THE CONNECTOR IS SEALED BY A MAT SEAL. THE SEALING HOLES IN THE MAT SEAL CAN BE CLOSED (SEALED) BY A WIRE WITH CONTACT OR BY A PLUG MOLDED ON THE COVER FOR FAMILY SEAL.

**EXAMPLE:** UNSTAMPED COVER FOR FAMILY SEAL



**EXAMPLE:** COVER FOR FAMILY SEAL STAMPED TO INDIVIDUAL PINOUT CONFIGURATIONS.



## 1.5 VALID TE SPECIFICATIONS

a) THIS PROD. SPEC. IS BASED ON THE LATEST VALID CUSTOMER DRAWING.

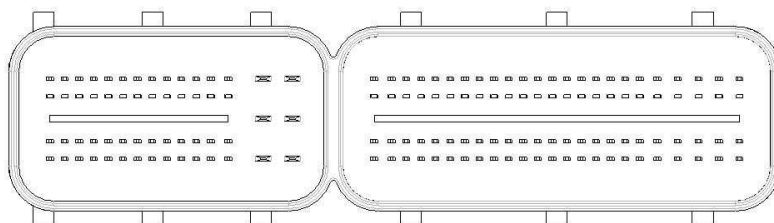
|          |  |
|----------|--|
| C1452380 | ASSY 96 POS. CONNECTOR, (0.5 - 0.75 mm <sup>2</sup> )                                    |
| C2141628 | ASSY 96 POS. CONNECTOR, (0.5 - 0.75 mm <sup>2</sup> )                                    |
| C1418360 | ASSY 96 POS. CONNECTOR, (0.5 - 0.75 mm <sup>2</sup> )                                    |
| C1563173 | ASSY 96 POS. CONNECTOR, (0.35 - 1.5 mm <sup>2</sup> )                                    |
| C1564284 | ASSY 96 POS. CONNECTOR, (0.35 - 1.5 mm <sup>2</sup> )                                    |
| C1452419 | ASSY 58 POS. CONNECTOR, (> 0.75 – 1.50 mm <sup>2</sup> )                                 |
| C1452423 | ASSY 58 POS. CONNECTOR, (> 0.75 – 1.50 mm <sup>2</sup> )                                 |
| C1452388 | 96 POS. TPA (2-NDARY LOCK), TYCO 1.2 MM  |
| C1452389 | ASSY 96 POS. COVER, CABLE EXIT 90 / 150 ANGLE  |
| C1452862 | ASSY 96 POS. COVER, CABLE EXIT 180 ANGLE   |
| C1452988 | ASSY 96 POS. COVER, CABLE EXIT 90 ANGLE  |
| C2360002 | ASSY 96 POS. COVER, CABLE EXIT 90 ANGLE (with lever locking latch overstress protection) |
| C1452400 | ASSY 58 POS. CONNECTOR, CABLE EXIT LEFT  |
| C1452415 | ASSY 58 POS. CONNECTOR   |
| C1418361 | ASSY 58 POS. CONNECTOR   |
| C1823127 | ASSY 58 POS. CONNECTOR   |
| C1563172 | ASSY 58 POS. CONNECTOR   |
| C1564285 | ASSY 58 POS. CONNECTOR   |
| C1452408 | 58 POS. TPA (2-NDARY LOCK), MCP 2.8 MM   |
| C1452409 | 58 POS. TPA (2-NDARY LOCK), TYCO 1.2 MM  |
| C1452410 | ASSY 58 POS. COVER, CABLE EXIT LEFT „L“  |
| C1452416 | ASSY 58 POS. COVER, CABLE EXIT 180 ANGLE   |
| C1452421 | ASSY 58 POS. COVER, CABLE EXIT 90 ANGLE  |
| C2359998 | ASSY 58 POS. COVER, CABLE EXIT 90 ANGLE  |
| C1452424 | BLINDPLUGS   |

b) LATEST VALID APPLICATION SPECIFICATION

|             |   |
|-------------|---|
| 114-18576-  | INSTRUCTION SHEET FOR 154 Pos. CONNECTOR              |
| 114-18534-1 | APPLICATION SPEC. FOR THE MODULAR CONNECTOR, 154 POS. |
| 114-18966   | APPLICATION SPEC. FOR THE MODULAR CONNECTOR, 154 POS. |


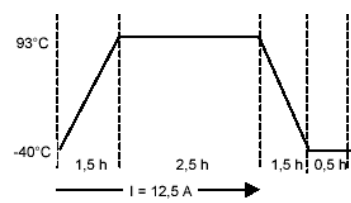
c) LATEST VALID INTERFACE SPECIFICATION.

MUST BE ACORDING TO THE INTERFACE SPEC: 114-18615.



ENGINE MODULE  
(HEADER)

## 2. RATING DATA

|                                     | Test Description   | Requirement   | Procedure   |
|-------------------------------------|--|---|---|
|                                     | Examination of product.  | Meets requirements of product drawing.                                  | Visual, dimensional and functional per Applicable quality inspection plan.  |
| <b>Connector Electrical Tests</b>   |  |   |   |
| 1                                   | <b>Termination resistance</b>  | 10 milliohms maximum initial. Maximum / minimum $\Delta R$ 10 milliohms | <p>Max. 10 milliohms initial.</p> <p>0.75 mm<sup>2</sup> FLR - 7.5 A</p>  <p>1.5 mm<sup>2</sup> FLR - 12.5 A</p>  <p>60 cycles = 360h</p> |
| 2                                   | <b>Insulation resistance</b>   | R >20 megohms / 500V DC   | Test between adjacent contacts of unmated samples.  |
| <b>Connector – Mechanical Tests</b> |  |   |   |
| 3                                   | <p><b>Terminal-Connector retention force for signal terminals.</b></p> <p>Temporary terminal retention without 2-dary lock</p> <p>Terminal retention wit primary and 2-dary lock.</p> <p>Terminal retention wit primary and 2-dary lock after high temperature exposure. Temperature class 3 acc. USCAR-2 (125°C).</p> | <p>Min. 50 N</p> <p>Min. 90 N</p> <p>Min. 48 N</p>                      | <p>V= 50 mm/min</p>   |

|                                     |   |   |  |
|-------------------------------------|---|---|--|
| 4                                   | <b>Terminal-Connector retention force for power terminals.</b><br><br>Temporary terminal retention without 2-dary lock<br><br>Terminal retention wit primary and 2-dary lock.<br><br>Terminal retention with primary and 2-dary lock after high temperature exposure. Temperature class 3 acc. USCAR-2 (125°C). | Min. 60 N<br><br>Min. 100 N<br><br>Min. 100 N   | V= 50 mm/min   |
| 5                                   | <b>Connector-Connector Mating Force</b><br>96 pos.<br><br>58 pos.   | Max. 90N<br><br>Max. 90N  | Fully populated with silver plated terminals.  |
| 6                                   | <b>Connector-Connector Unmating Force with the Lock disengaged</b><br><br>96 pos.<br><br>58 pos.  | Max. 75N<br><br>Max. 75N  | Fully populated with silver plated terminals.  |
| 7                                   | <b>Cover Retention Force</b><br>Cover for 58 pos. Connector:<br>Cover for 96 pos. Connector:  | Min.150 N<br><br>Min.150 N  | V= 50 mm/min   |
| <b>Connector Environmental Test</b> |   |   |  |
| 8                                   | <b>Thermal Shock</b><br><br>Qualification acc. To USCAR-2 §5.6.1 Rev. 3   | Signal terminal:<br>$\Delta R \leq 10 \text{ m}\Omega$<br><br>Power terminal:<br>$\Delta R < 5 \text{ m}\Omega$ | -100 cycles ( 100h) – 30 min. (-40°C) and 30 min. (+125°C) transfer in less than 5 min.<br><br>-12 V DC at 100 mA<br><br>-For Ag plated terminals. |

|                      |   |  |   |
|----------------------|---|--|---|
| 9                    | <b>Temperature/Humidity Cycling</b><br>Temperature class 3,<br>acc. to USCAR-2 Rev.3                                      | Signal terminal:<br>$\Delta R < 10 \text{ m}\Omega$<br><br>Power terminal:<br>$\Delta R < 5 \text{ m}\Omega$ | 40 cycles (320h) between T1= -25 °C / T2=+85°C / T3= +145°C at 85% RH.<br><br>For Ag, plated terminals.   |
| 10                   | <b>High Temperature Exposure</b><br><br>Qualification acc. To<br>USCAR-2 §5.6.3 Rev. 3<br>Temperature class 3<br>(125°C). | Signal terminal:<br>$\Delta R < 10 \text{ m}\Omega$<br><br>Power terminal:<br>$\Delta R < 5 \text{ m}\Omega$ | 1008h heat soak at 125° C<br><br>For Ag, plated terminals.  |
| 11                   | <b>Random vibration</b><br>Grms 8,4   | -Electrical re-<br>sistance does not<br>exceed 70hms dur-<br>ing a period of 1<br>microsecond.               | Vibration after temperature cycling as follows:<br><br>-40°C dwell time 1,0h<br>-40°C -> +125°C 1,5h<br>+125°C dwell time 1,0h<br>+125°C -> -40°C 1,5h<br><br>Duration of each cycle: 5h, 50 cycles, total time:250h<br><br>Vibration must be realized at the end of temperature cycling.<br><br>16 h each axis; total time: 48h each sample  |
| <b>Sealing Tests</b> |   |  |   |
| 12                   | <b>Submersion after high temperature exposure</b><br>Qualification acc. To<br>USCAR-2<br>§5.6.5 Rev. 3                    | No water ingress<br><br>Isolation Resistance<br>> 20 MOhm  | -10 mating cycles<br>-Dry heat storage at 125°C / 1008h<br>-Submerge the samples within 30s after removing from the heat chamber in 5% salt water with liquid washing soap (22°C) to a depth of 30 – 40 cm for 30 minutes.<br>-After 30min remove samples from salt water solution and perform the Isolation Resistance Test at 500V, DC (min. 20 MOhm acceptance criteria).  |
| 13                   | <b>Pressure/Vacuum Leakage after high temperature exposure</b><br>Qualification acc. To<br>USCAR-2<br>§5.6.6 Rev. 3       | No water ingress   | -10 mating cycles<br>-Submerge the samples in salt water solution (22°C)<br>-Air Pressure Test up to 48 KPa (0,5 bar) Observe samples for 15 seconds and verify that there are no air bubbles<br>-Vacuum Test 48 Kpa (7psi) / 15s<br>-Isolation Resistance Test<br>-Visual Inspection after disconnection<br>-Dry heat storage at 125°C / 1008h<br>-After heat soak perform immediately Pressure Leak Test up to 28 KPa. (4psi)<br>-Vacuum Test 28 Kpa (4psi) / 15s<br>-Isolation Resistance Test<br>-Visual Inspection after disconnection |