产品编号 ： 197054303

Product Description ： PCB Tab Quick Disconnect, Male, for Wire, Metal Strip, Tab 6.35 x 0.81mm

系列号 ： 19705

状态 ： Active

Product Category ： Quick Disconnects

文件和资源

图纸

图纸　197054303_sd.pdf

包装设计图　PK-19511-601-001.pdf

3D 模型和设计文件

3D模型　197054303_stp.zip

规格

产品规格　PS-19902-010-001.pdf

产品规格　PS-19902-011-001.pdf

产物环境合规

合规

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

多部分产品合规性声明

- Eu RoHS
- REACH SVHC
- Low-Halogen

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474

- chemSHERPA (xml)

欧盟 RoHS 合格证书

产品详情

常规

状态	活动
类别	Quick Disconnects
系列	19705
说明	PCB Tab Quick Disconnect, Male, for Wire, Metal Strip, Tab 6.35 x 0.81mm
产品系列	PCB Tabs
产品名称	PCB Tab
类型	Quick Disconnect
UPC	800754859936

机构

UL	E79133

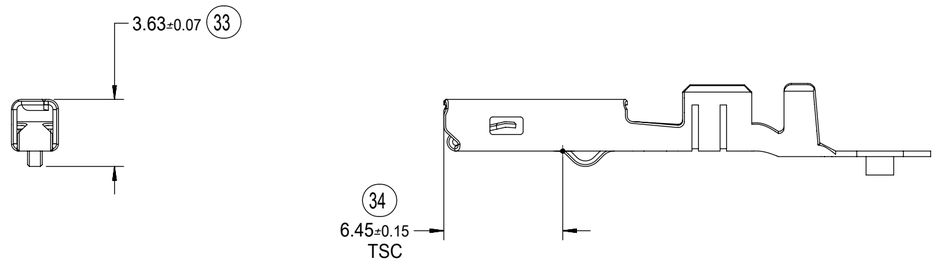
电气

电压 - 最大	不适用

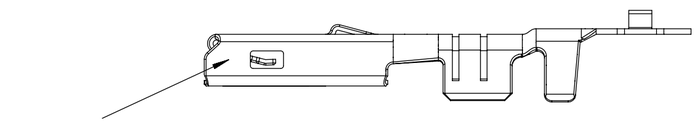
物理

筒型	不适用
性别	男
符合灼热丝规范	否
绝缘	否
绝缘	无
锁定插接部位	无
材料 - 金属	Brass
材料 - 接合部位电镀	Tin
材料 - 终端电镀	Tin
净重	0.475/g
方向	PCB Straight Tab
包装形式	Reel

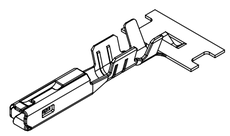
有极性的插配件	否
调整片厚度	0.81mm
调整片宽	6.35mm
终端界面类型	Through Hole
导线绝缘直径	不适用
线径规格 (AWG)	不适用



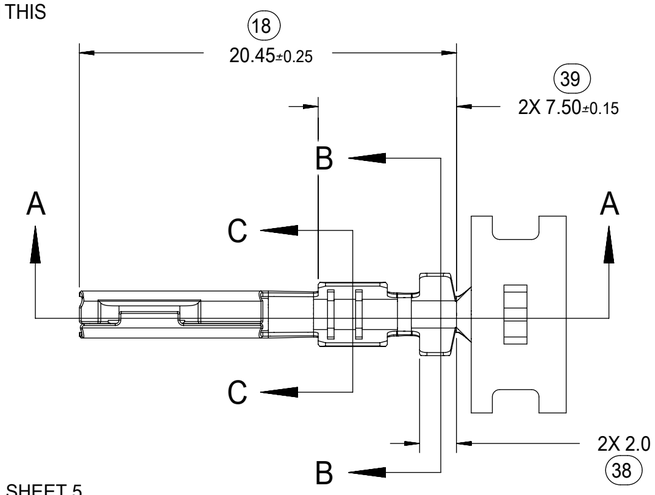
DIMENSIONS FOR LARGE POLARIZATION RIB TERMINAL ONLY

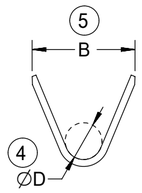


STAMP PLATING TYPE
Sn-TIN, Au-GOLD OR
Ag-SILVER IN THIS
AREA



SCALE 2:1





SECTION B-B
SCALE 5:1

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATING TERMINAL SHOWN ON SD-33000-001

2. MATERIAL: ASTM B422, UNS C19025, HR04
   THICKNESS: 0.30 mm ±0.01
   TEMPER: FULL HARD (REF)
   TENSILE: 496 MIN MPA

3. TIN PLATED TERMINAL FINISH:
   OVERALL UNDERPLATE ELECTRODEPOSITED NICKEL
   OVERALL ELECTRODEPOSITED REFLOW TIN

4. GOLD PLATED TERMINAL FINISH
   OVERALL UNDERPLATE ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL
   CONTACT AREA - ELECTRODEPOSITED GOLD
   GRIP AREA - ELECTRODEPOSITED 100% TIN MATTE FINISH

5. SILVER PLATED TERMINAL FINISH
   OVERALL UNDERPLATE ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL
   CONTACT AREA - ELECTRODEPOSITED PURE SILVER (0.5% MAX
   IMPURITIES) SEMI-BRIGHT FINISH
   - SILVER ANTI-TARNISH : EVABRITE
   GRIP AREA - ELECTRODEPOSITED 100% TIN MATTE FINISH

6. MEETS PERFORMANCE SPECIFICATION FOR CABLE TO TERMINAL
   ELECTRICAL CRIMPS PER SAE/USCAR-21 (8/2001)

7. MEETS PERFORMANCE STANDARD FOR AUTOMOTIVE ELECTRICAL
   CONNECTOR SYSTEMS FOR SAE/USCAR-2, REV. 4 (TEMP CLASS 3)
   (5/2004)

8. MEETS ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION
   (SDS) REV.11 (5/2002)

9. MEETS FIELD CORRELATED LIFE TEST (FCLT) PER
   SAE/USCAR-20 (6/2004)

10. MEETS WIRING COMPONENT DESIGN GUIDLINES SAE/USCAR-12
    REV 2 (12/2001)

11. TSC ON A DIMENSION TO BE INTERPRETED AS DISTANCE TO
    A THEORETICAL SHARP CORNER AS IF THE RADIUS WERE NOT
    PRESENT

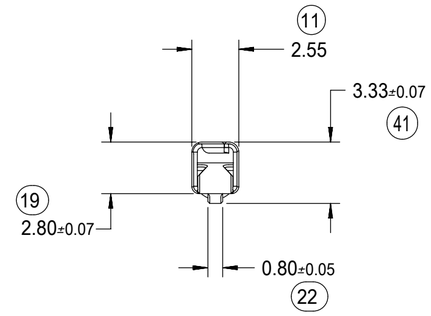
12. REFERENCE 97BG-14474-AAB FOR LARGE POLARIZATION RIB
    CAVITY SPECIFICATION

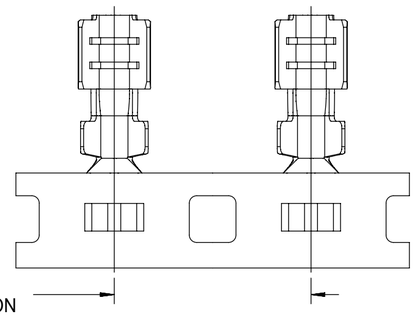
13. INSERTION FORCE (TIN) AVG. FROM PV TESTING =
    3.8N LARGE POLARIZATION RIB
    3.5N SMALL POLARIZATION RIB
    (REFERENCE)

14. ALL DIMENSIONS EXCEPT 33, 34, 41 & 42 ARE COMMON TO
    BOTH SMALL AND LARGE POLARIZATION RIB TERMINALS

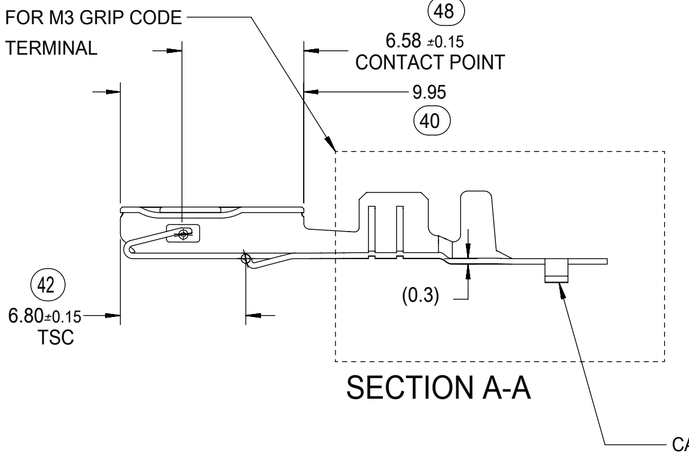
15. REFERENCE PK-31300-516 FOR REEL DIRECTION

16. REFERENCE AS-33012-002 FOR CRIMP INFORMATION





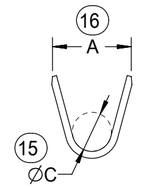
(10.67)
PROGRESSION



SEE SHEET 5
FOR M3 GRIP CODE
TERMINAL

SECTION A-A

CARRIER BUMP DIRECTION
POINTS DOWN FOR TIN PLATED TERMINALS
POINTS UP FOR PRECIOUS PLATED TERMINALS



SECTION C-C
SCALE 5:1

SYMBOLS	
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EC = 0	
EP = 0	
S = 0	
▼ = 0	
C = 0	
☒ = 0	
■ = 0	
V = 0	

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DIMENSION UNITS	SCALE
mm	4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 3.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.10
1 PLACE	± 0.3
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 645050
DRWN: BSKANTHARAJU 2020/09/03
CHK'D: JCUATACERVAN 2020/09/18
APPR: JCUATACERVAN 2020/09/18

INITIAL REVISION:
DRWN: LPULLIAM 2005/06/21
APPR: BMOSER 2005/06/22

molex

MX150
RECEPTACLE TERMINAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33012-002	PSD	001	D

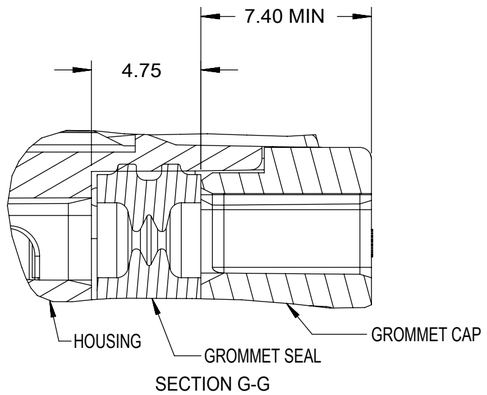
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	33012	SEE TABLE	GENERAL MARKET	1 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2020/09/18 18:32:02

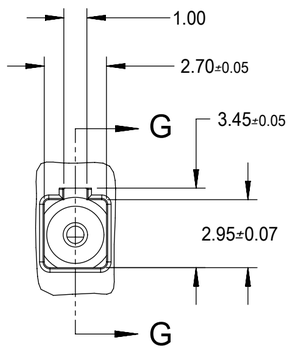
FORMAT: master-tb-prod-C
REVISION: H
DATE: 2018/01/18

FAMILY	GENDER	SEALING	PLATING	PART NUMBER	PAYOFF DIRECTION	GRIP CODE	WIRE SIZES *	A ±0.30	B ±0.30	C ±0.30	D ±0.30	SPECIAL CHARACTERISTICS
MX150	RECEPTACLE	MAT SEAL	Sn	33012-2001	RIGHT (B)	14	16/14AWG 1.25-2.00mm²	3.9	4.4	1.7	1.6	HIGH PERFORMANCE Sn
				33012-3001	LEFT (D)							
				33012-2002	RIGHT (B)	18	20/18AWG 0.75-1.00mm²	3.3	3.1	1.3	1.4	
				33012-3002	LEFT (D)							
				33012-2003	RIGHT (B)	22	22AWG	2.5	2.6	0.9	1.0	
				33012-3003	LEFT (D)							
				33012-2004	RIGHT (B)	M3	0.35-0.50mm²	2.5	2.7	0.9	1.54 ±0.1	
				33012-3004	LEFT (D)							
			Au	33001-2003	RIGHT (B)	14	16/14AWG 1.25-2.00mm²	3.9	4.4	1.7	1.6	HIGH PERFORMANCE Au
				33001-3003	LEFT (D)							
				33001-2004	RIGHT (B)	18	20/18AWG 0.75-1.00mm²	3.3	3.1	1.3	1.4	
				33001-3004	LEFT (D)							
				33001-2005	RIGHT (B)	22	22AWG	2.5	2.6	0.9	1.0	
				33001-3005	LEFT (D)							
				33001-2006	RIGHT (B)	M3	0.35-0.50mm²	2.5	2.7	0.9	1.54 ±0.1	
				33001-3006	LEFT (D)							
			Ag	33001-4001	RIGHT (B)	14	16/14AWG 1.25-2.00mm²	3.9	4.4	1.7	1.6	HIGH PERFORMANCE Ag
				33001-5001	LEFT (D)							
				33001-4002	RIGHT (B)	18	20/18AWG 0.75-1.00mm²	3.3	3.1	1.3	1.4	
				33001-5002	LEFT (D)							
				33001-4003	RIGHT (B)	22	22AWG	2.5	2.6	0.9	1.0	
				33001-5003	LEFT (D)							
				33001-4005	RIGHT (B)	M3	0.35-0.50mm²	2.5	2.7	0.9	1.54 ±0.1	
				33001-5005	LEFT (D)							
LARGE POLARIZATION RIB - NOT TO BE USED IN MX150 SEALED CONNECTORS												
MX150	RECEPTACLE	UNSEALED	Sn	33012-2021	RIGHT (B)	14	16/14AWG 1.25-2.00mm²	3.9	4.4	1.7	1.6	HIGH PERFORMANCE Sn
				33012-3021	LEFT (D)							
				33012-2022	RIGHT (B)	18	20/18AWG 0.75-1.00mm²	3.3	3.1	1.3	1.4	
				33012-3022	LEFT (D)							
				33012-2023	RIGHT (B)	22	22AWG 0.35-0.50mm²	2.5	2.6	0.9	1.0	
				33012-3023	LEFT (D)							
			Au	33001-2021	RIGHT (B)	14	16/14AWG 1.25-2.00mm²	3.9	4.4	1.7	1.6	HIGH PERFORMANCE Au
				33001-3021	LEFT (D)							
				33001-2022	RIGHT (B)	18	20/18AWG 0.75-1.00mm²	3.3	3.1	1.3	1.4	
				33001-3022	LEFT (D)							
				33001-2023	RIGHT (B)	22	22AWG 0.35-0.50mm²	2.5	2.6	0.9	1.0	
				33001-3023	LEFT (D)							
			Ag	33001-4021	RIGHT (B)	14	16/14AWG 1.25-2.00mm²	3.9	4.4	1.7	1.6	HIGH PERFORMANCE Ag
				33001-5021	LEFT (D)							
				33001-4022	RIGHT (B)	18	20/18AWG 0.75-1.00mm²	3.3	3.1	1.3	1.4	
				33001-5022	LEFT (D)							
				33001-4023	RIGHT (B)	22	22AWG 0.35-0.50mm²	2.5	2.6	0.9	1.0	
				33001-5023	LEFT (D)							

* REFERENCE AS-33012-002 FOR SPECIFIC WIRE TYPES



SECTION G-G



GROMMET CAP OPENING

GROMMET SEAL / CAP CONFIGURATION TO MODIFY LARGE POLARIZATION RIB CAVITY TO ACCEPT SMALL POLARIZATION RIB APPLICATIONS

DOCUMENT STATUS	P1	RELEASE DATE	2020/09/18 18:32:02

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SYMBOLS: FA = 0, FC = 0, FB = 0, S = 0, ▼ = 0, C = 0, ☒ = 0, ■ = 0, V = 0

DIMENSION UNITS: mm | SCALE

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	3.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.10
1 PLACE	±	0.3
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 645050
DRWN: BSKANTHARAJU 2020/09/03
CHK'D: JCUATACERVAN 2020/09/18
APPR: JCUATACERVAN 2020/09/18

INITIAL REVISION:
DRWN: LPULLIAM 2005/06/21
APPR: BMOSER 2005/06/22

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 33012

molex

MX150
RECEPTACLE TERMINAL

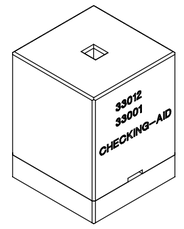
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33012-002	PSD	001	D

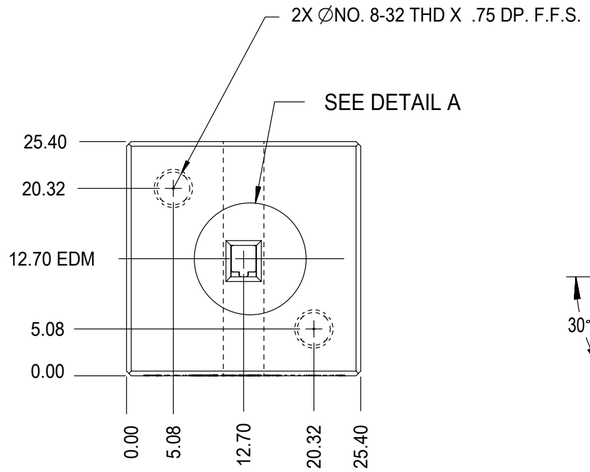
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	2 OF 5

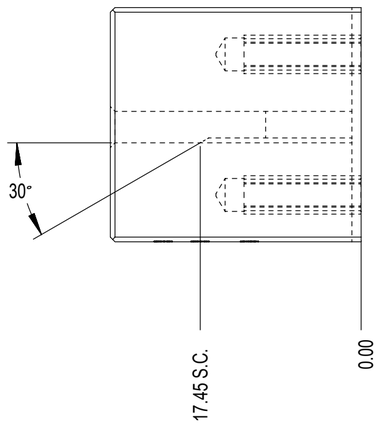
FORMAT: master-tb-prod-C
REVISION: H
DATE: 2018/01/18

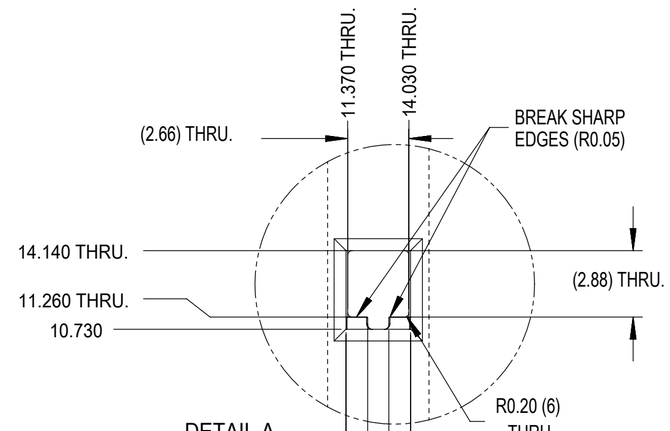
THIS CHECKING - AID IS FOR SMALL POLARIZATION RIB TERMINALS ONLY



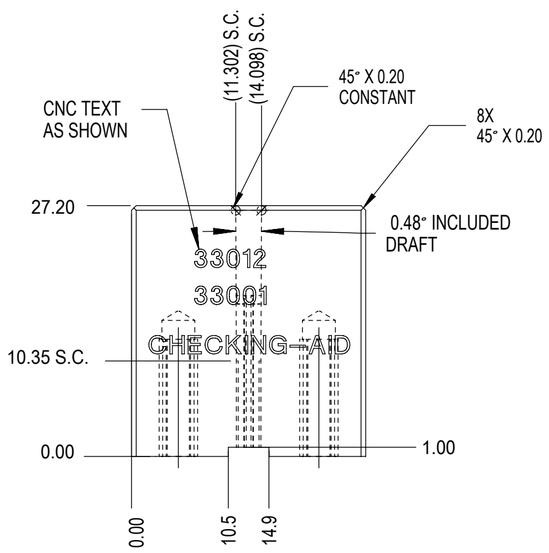
CHECKING - AID ASSEMBLY
SCALE 1:1



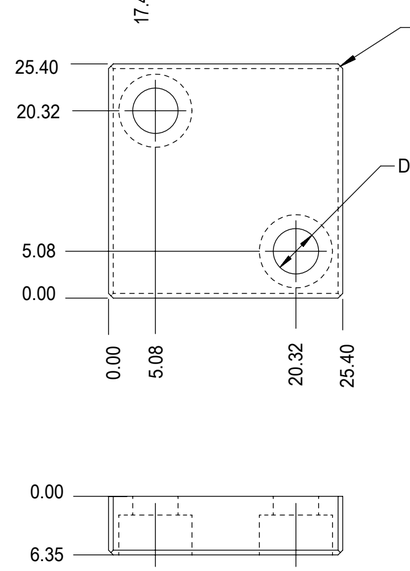




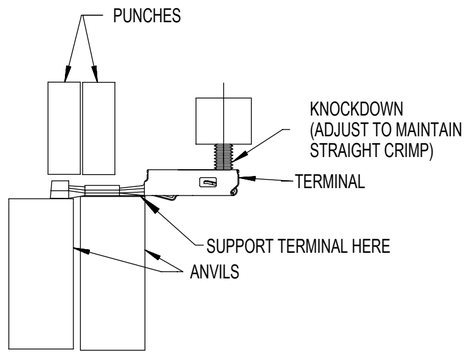
DETAIL A
SCALE 5:1



CHECKING - AID
UPPER



CHECKING - AID
LOWER



CRIMP REQUIREMENTS:

1. CRIMP STRAIGHTNESS MUST BE MAINTAINED
   USE A KNOCKDOWN TOOL LOCATED AS SHOWN
   TERMINAL BOX MUST NOT BE DEFORMED

2. AFTER CRIMPING, THE CRIMPED TERMINAL (AND UP TO 5 mm
   OF WIRE PAST THE INSULATOR CUTOFF TAB) MUST FIT FREELY
   INTO THE CHECKING-AID SHOWN ON THIS PAGE

3. FOR OTHER MECHANICAL REQUIREMENTS ON CRIMPED
   TERMINALS, REFER TO SAE/USCAR-21 (5-13-02)
   SECTIONS 4.2 (VISUAL INSPECTION), 4.2 (CROSS SECTION
   ANALYSIS) AND 4.4 (CONDUCTOR CRIMP PULLOUT FORCE)

UPPER & LOWER
CHECKING-AID
A2 TOOL STEEL
HARDEN & GRIND
ROCKWELL "C" 56-58

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SYMBOLS	DIMENSION UNITS	SCALE
▽ = 0	mm	2:1
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
▽ = 0	ANGULAR TOL ± 3.0 °	
▽ = 0	4 PLACES ±	
▼ = 0	3 PLACES ±	
▽ = 0	2 PLACES ± 0.10	
☒ = 0	1 PLACE ± 0.3	
■ = 0	0 PLACES ±	
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC:

EC NO: 645050
DRWN: BSKANTHARAJU 2020/09/03
CHK'D: JCUATACERVAN 2020/09/18
APPR: JCUATACERVAN 2020/09/18

INITIAL REVISION:
DRWN: LPULLIAM 2005/06/21
APPR: BMOSER 2005/06/22

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 33012

molex

MX150
RECEPTACLE TERMINAL

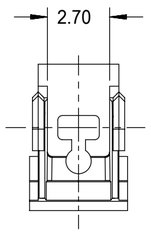
PRODUCT CUSTOMER DRAWING

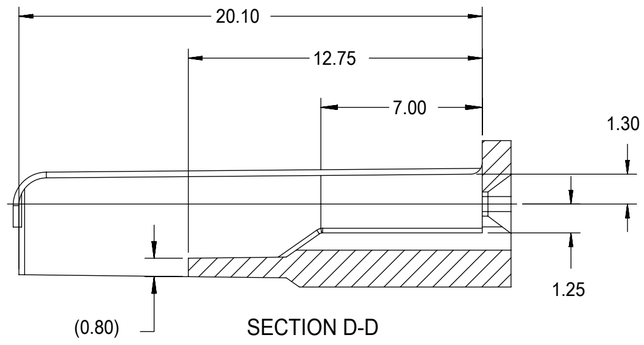
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33012-002	PSD	001	D

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	3 OF 5

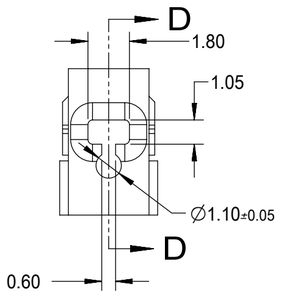
DOCUMENT STATUS	P1	RELEASE DATE	2020/09/18 18:32:02

FORMAT: master-tb-prod-C
REVISION: H
DATE: 2018/01/18



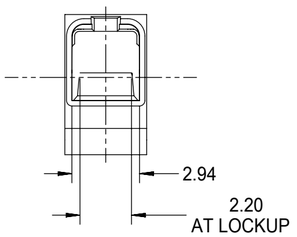


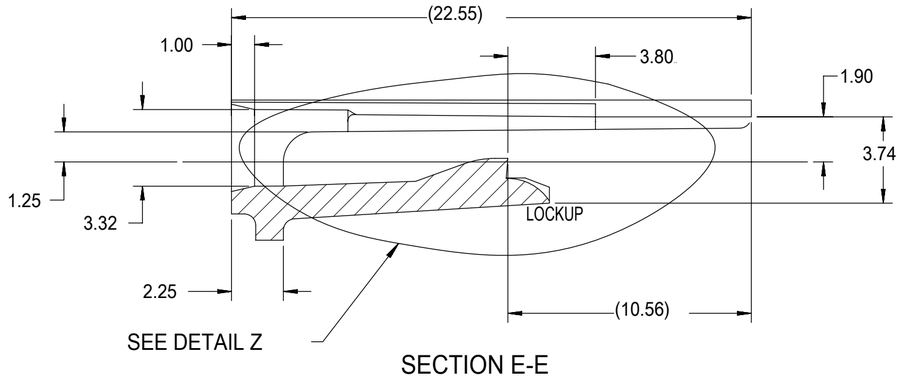
SECTION D-D



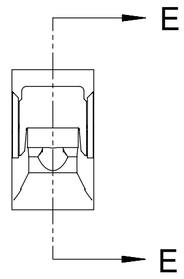
NOTES: UNLESS OTHERWISE SPECIFIED

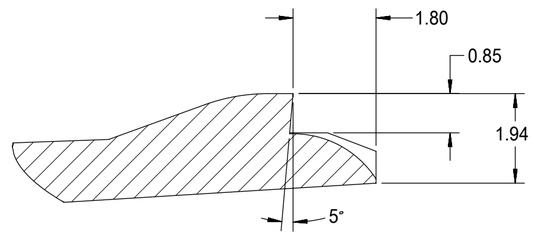
1. TOLERANCES: LINEAR ±0.10
   ANGULAR ±3°
2. ALL DRAFT WITHIN TOLERANCE.
3. MAX RADII ON ALL CORNERS SHOWN SHARP: 0.10
4. MAX FLASH PERMISSIBLE: 0.1
5. EJECTOR PIN MARKS PERMISSIBLE IF FLUSH TO 0.25 BELOW SURFACE.
6. MATERIAL: HOUSING/FINGER SPECIFICATION ENGINEERED FOR MATERIAL WITH THE FOLLOWING PROPERTIES:
   A. FLEXURAL MODULUS = 4,500 TO 9,400 MPa PER ASTM TEST D790
   B. ELONGATION AT YIELD = 2.3% OR BETTER PER ASTM TEST D638 TYPE V
7. CAVITY SPEC FOR USE ONLY WITH MOLEX RECEPTACLE TERMINAL PART NUMBERS SPECIFIED ELSEWHERE ON THIS DRAWING



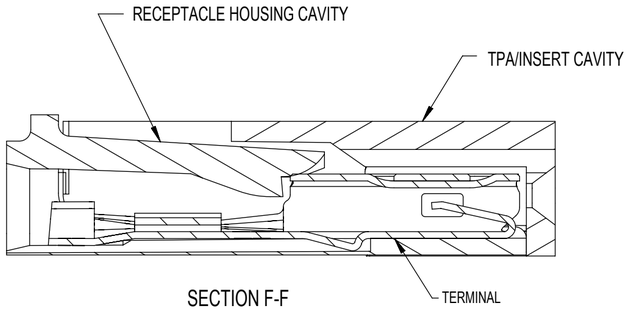


SECTION E-E

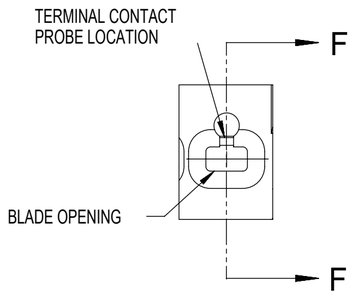




DETAIL Z
SCALE 20:1



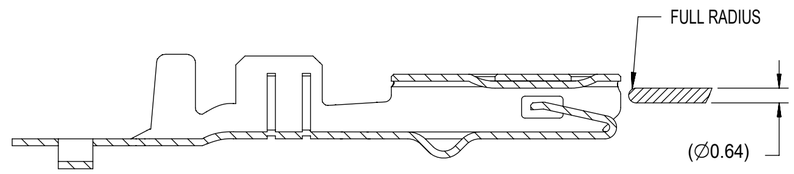
SECTION F-F

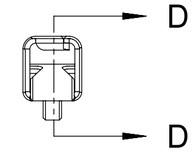


RECEPTACLE CAVITY ASSEMBLED VIEWS
FOR SMALL POLARIZATION RIB APPLICATIONS
FIG. 1

PREFERRED PROBING LOCATION
IS NOT ON SPRING MEMBER

IF ELECTRICAL CONTINUITY PROBE
TOUCHES SPRING MEMBER USE
PROBING AS SHOWN IN FIG. 2





SECTION D-D
FOR LARGE POLARIZATION RIB APPLICATIONS
FIG. 2

PROBING DOWN THE
THROAT MUST USE
THIS TERMINAL PROBE

FOR PROBING INFORMATION REFERENCE
MOLEX MX150 APPLICATION SPEC AS-33472-100

SYMBOLS	
FA = 0	
FC = 0	
FP = 0	
S = 0	
= 0	
C = 0	
= 0	
= 0	
V = 0	

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DIMENSION UNITS	SCALE
mm	5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 3.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.10
1 PLACE	± 0.3
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 645050
DRWN: BSKANTHARAJU 2020/09/03
CHK'D: JCUATACERVAN 2020/09/18
APPR: JCUATACERVAN 2020/09/18

INITIAL REVISION:
DRWN: LPULLIAM 2005/06/21
APPR: BMOSER 2005/06/22

molex

MX150
RECEPTACLE TERMINAL

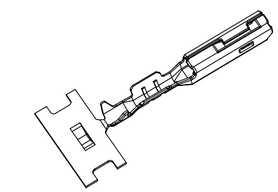
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33012-002	PSD	001	D

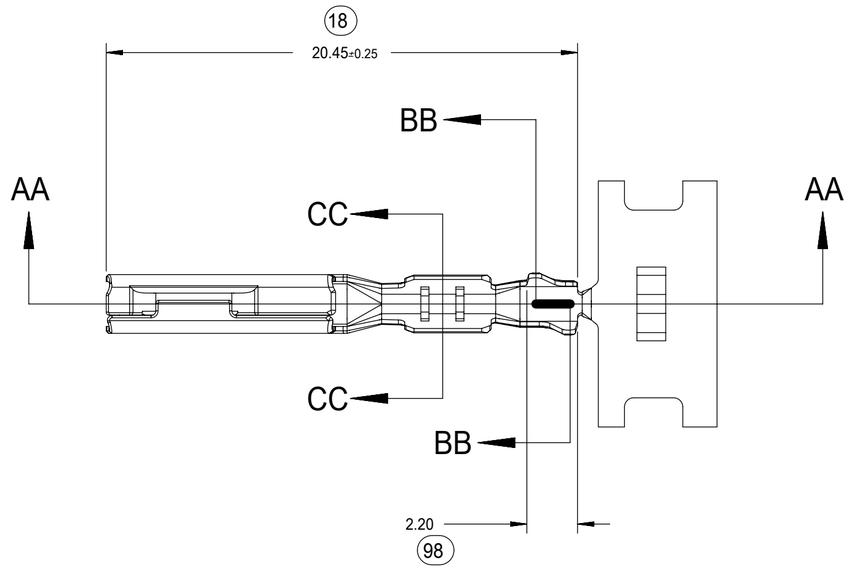
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	33012	SEE TABLE	GENERAL MARKET	4 OF 5

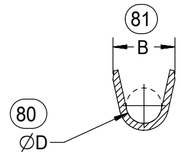
DOCUMENT STATUS	P1	RELEASE DATE	2020/09/18 18:32:02

FORMAT: master-tb-prod-C
REVISION: H
DATE: 2018/01/18

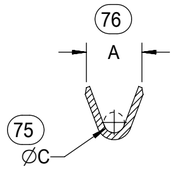


ISO VIEW
SCALE 2:1

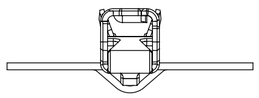


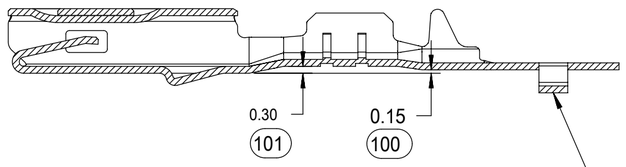


SECTION BB-BB



SECTION CC-CC





SECTION AA-AA
M3 GRIP CODE TERMINAL
SEE TABLE (SHEET 2) FOR PART NUMBERS

CARRIER BUMP DIRECTION
POINTS DOWN FOR TIN PLATED TERMINAL
POINTS UP FOR PRECIOUS METAL PLATED TERMINAL

SYMBOLS	
FA =	0
FC =	0
FP =	0
S =	0
=	0
C =	0
=	0
=	0
V =	0

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DIMENSION UNITS	SCALE
mm	5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 3.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.10
1 PLACE	± 0.3
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 645050
DRWN: BSKANTHARAJU 2020/09/03
CHK'D: JCUATACERVAN 2020/09/18
APPR: JCUATACERVAN 2020/09/18

INITIAL REVISION:
DRWN: LPULLIAM 2005/06/21
APPR: BMOSER 2005/06/22

molex

MX150
RECEPTACLE TERMINAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33012-002	PSD	001	D

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	33012	SEE TABLE	GENERAL MARKET	5 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2020/09/18 18:32:02

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REVISION: H
DATE: 2018/01/18