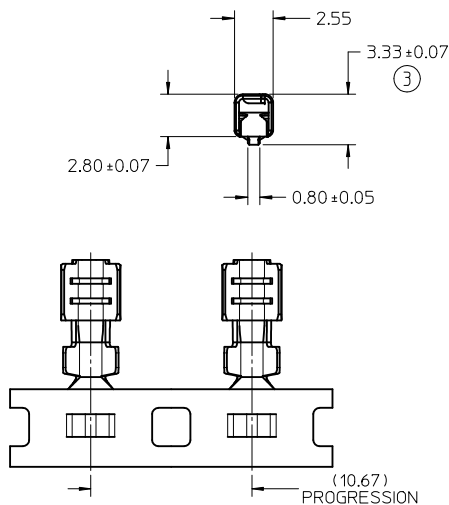


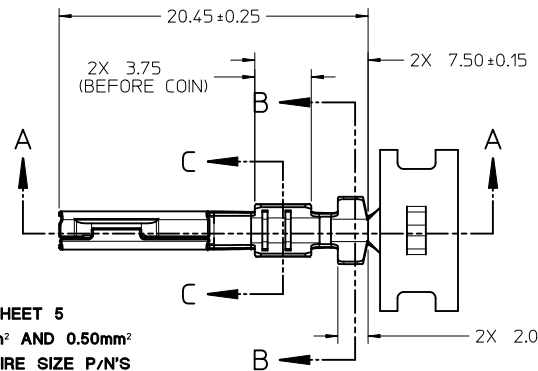
DIMENSIONS FOR LARGE POLARIZATION RIB TERMINAL ONLY

NOTES: (UNLESS OTHERWISE SPECIFIED)

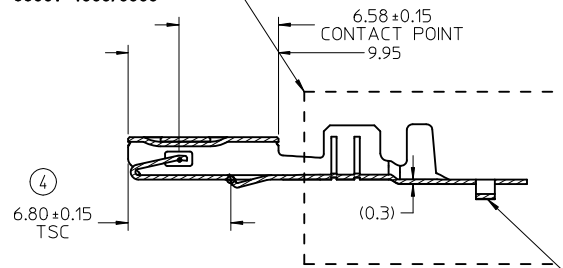
1. MATING TERMINAL SHOWN ON SD-33000-001
2. MATERIAL: ASTM B422, UNS C19025, HR04
THICKNESS: 0.30 mm +0.01
TEMPER: FULL HARD (REF)
TENSILE: 496 MIN MPA
3. TIN PLATED TERMINAL FINISH:
OVERALL UNDERPLATE ELECTRODEPOSITED NICKEL
OVERALL ELECTRODEPOSITED REFLOW TIN
4. GOLD PLATED TERMINAL FINISH
OVERALL 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) SEM-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)
(4/2001)
8. MEETS ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION
(SDS) REV.11 (5/2002)
9. MEETS FIELD CORRELATED LIFE TEST (FCLT) PER
SAE/USCAR-20 (11/2001)
10. MEETS WIRING COMPONENT DESIGN GUIDELINES 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 RADII WERE NOT
PRESENT
12. REFERENCE 978G-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 ①, ②, ③ & ④ 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



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



SEE SHEET 5
0.35mm² AND 0.50mm²
ISO WIRE SIZE P/N'S
33012-2004/3004
33001-4005/5005

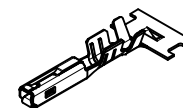


SECTION A-A

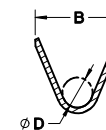
CARRIER BUMP DIRECTION

POINTS DOWN FOR TIN PLATED TERMINALS

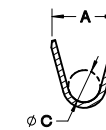
POINTS UP FOR PRECIOUS PLATED TERMINALS



SCALE 2:1



SECTION B-B
SCALE 5:1



SECTION C-C
SCALE 5:1

ENTER DESCRIPTION EC NO: UAU2011-1208 JORNWA:DHIR 2011/06/28 CHKD: APPR:BMOSER 2011/07/06	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
			mm	INCH	MM ONLY		4:1	METRIC		
		 F=0	4 PLACES ± --- ± ---	L. PULLIAM 2005/06/21	TITLE			MX150 RECEPTACLE TERMINAL		
		 F=0	3 PLACES ± 0.005 ± ---	CHECKED BY DATE						
		 F=0	2 PLACES ± 0.10 ± ---	A. DHIR 2005/06/21						
	1 PLACE ± 0.3 ± ---	APPROVED BY DATE	 MOLEX INCORPORATED			SD-33012-002		SHEET NO. 1 OF 5		
ANGULAR ± 3 °		B. MOSER 2005/06/22							DOCUMENT NO.	
B3	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.						
				SEE TABLE						
SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

13	12	11	10	9	8	7	6	5	4	3	2	1
TABLE												
SUPPLIER PART NUMBER		PLATING	GRIP CODE	WIRE APPLICATION	A +0.30	B +0.30	C +0.30	D +0.30	COMMENTS			
SMALL POLARIZATION RIB												
RIGHT PAYOFF DIRECTION B	LEFT PAYOFF DIRECTION D			SAE (AWG)	METRIC (mm²)							
33012-2001	33012-3001	TIN	14	14/16	2.0-15	3.9	4.4	17	16			
33012-2002	33012-3002	TIN	18	18/20	10-0.75	3.3	3.1	13	14			
33012-2003	33012-3003	TIN	22	22	0.35-0.50	2.5	2.6	0.9	10			
33012-2004	33012-3004	TIN	M3	N/A	0.35-0.50	2.5	2.7	0.9	154±0.1	PREFERRED TERMINAL FOR USE IN SEALED APPLICATION WITH 0.35& 0.50 WIRES (OD 1.2-1.7mm)		
33001-2003	33001-3003	GOLD	14	14/16	2.0-15	3.9	4.4	17	16			
33001-2004	33001-3004	GOLD	18	18/20	10-0.75	3.3	3.1	13	14			
33001-2005	33001-3005	GOLD	22	22	0.35-0.50	2.5	2.6	0.9	10			
33001-4001	33001-5001	SILVER	14	14/16	2.0-15	3.9	4.4	17	16			
33001-4002	33001-5002	SILVER	18	18/20	10-0.75	3.3	3.1	13	14			
33001-4003	33001-5003	SILVER	22	22	0.35-0.50	2.5	2.6	0.9	10			
33001-4005	33001-5005	SILVER	M3	N/A	0.35-0.50	2.5	2.7	0.9	154±0.1	PREFERRED TERMINAL FOR USE IN SEALED APPLICATION WITH 0.35& 0.50 WIRES (OD 1.2-1.7mm) USE IN CLASS 3 (125° C) APPLICATIONS ONLY		
LARGE POLARIZATION RIB - NOT TO BE USED IN MX150 SEALED CONNECTORS												
33012-2021	33012-3021	TIN	14	14/16	2.0-15	3.9	4.4	17	16			
33012-2022	33012-3022	TIN	18	18/20	10-0.75	3.3	3.1	13	14			
33012-2023	33012-3023	TIN	22	22	0.35-0.50	2.5	2.6	0.9	10			
33001-2021	33001-3021	GOLD	14	14/16	2.0-15	3.9	4.4	17	16			
33001-2022	33001-3022	GOLD	18	18/20	10-0.75	3.3	3.1	13	14			
33001-2023	33001-3023	GOLD	22	22	0.35-0.50	2.5	2.6	0.9	10			
33001-4021	33001-5021	SILVER	14	14/16	2.0-15	3.9	4.4	17	16			
33001-4022	33001-5022	SILVER	18	18/20	10-0.75	3.3	3.1	13	14			
33001-4023	33001-5023	SILVER	22	22	0.35-0.50	2.5	2.6	0.9	10			

SECTION G-G

GROMMET CAP OPENING

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

ENTER DESCRIPTION EC NO: UAU2011-1208 DRWN:ADHR 2011/06/28 CHKD: APPR:BMOSER 2011/07/06 REV B3	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																		
		<table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± 0.005</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± 0.10</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± 0.3</td><td>± ---</td></tr><tr><td colspan="3">ANGULAR ± 3 °</td></tr></table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± 0.005	± ---	2 PLACES	± 0.10	± ---	1 PLACE	± 0.3	± ---	ANGULAR ± 3 °			DRAWN BY L. PULLIAM DATE 2005/06/21 CHECKED BY A. DHIR DATE 2005/06/21 APPROVED BY B. MOSER DATE 2005/06/22	TITLE MX150 RECEPTACLE TERMINAL		
		mm	INCH																					
	4 PLACES	± ---	± ---																					
	3 PLACES	± 0.005	± ---																					
2 PLACES	± 0.10	± ---																						
1 PLACE	± 0.3	± ---																						
ANGULAR ± 3 °																								
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE	MATERIAL NO.	DOCUMENT NO. SD-33012-002	SHEET NO. 2 OF 5																			
		SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					

tb_frame_C.P_AM.T
Rev. F 2009/06/18

12

11

10

9

8

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5

4

3

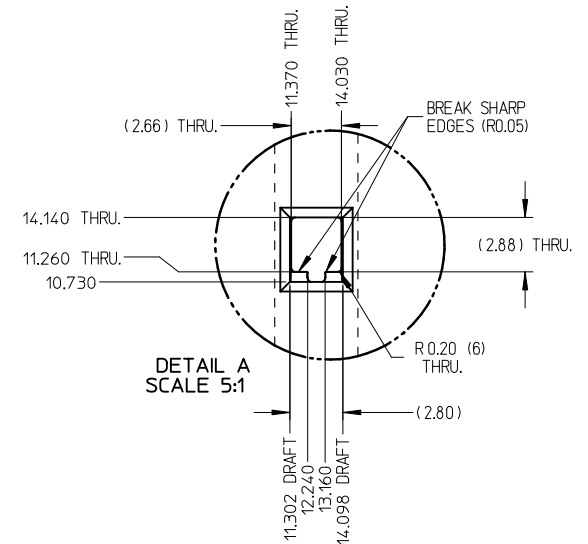
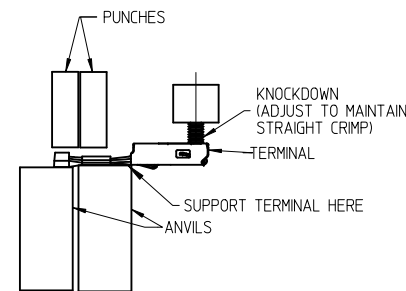
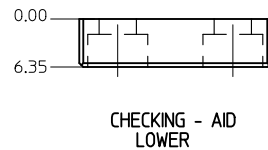
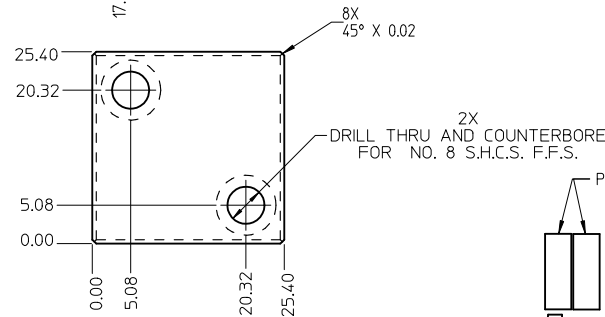
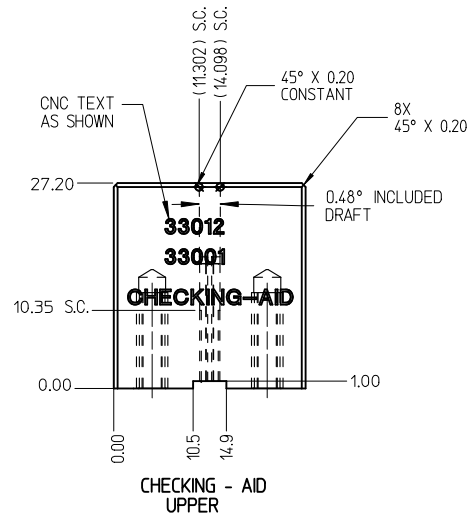
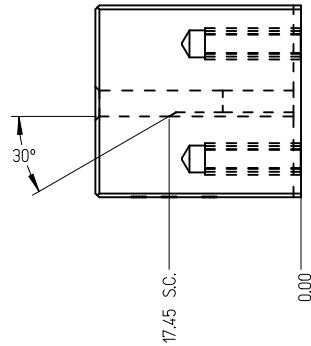
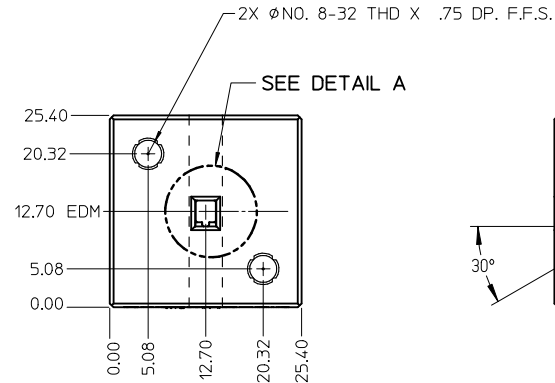
2

1

THIS CHECKING - AID IS FOR SMALL POLARIZATION RIB TERMINALS ONLY



CHECKING - AID ASSEMBLY
SCALE 1:1

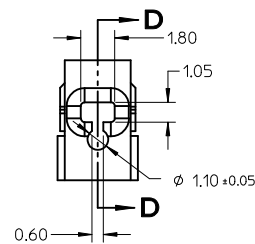
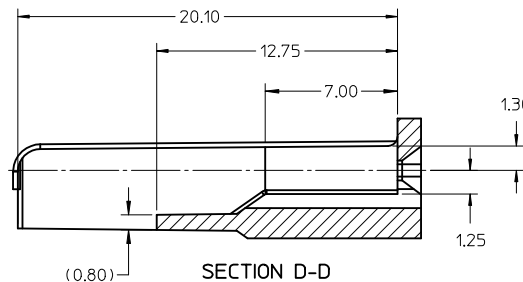
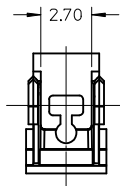


CRIMP REQUIREMENTS:

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)

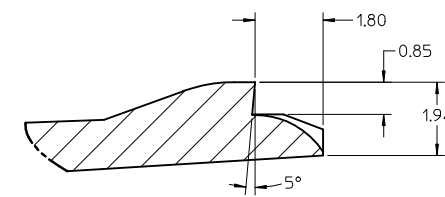
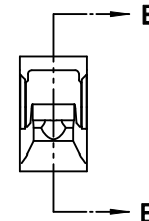
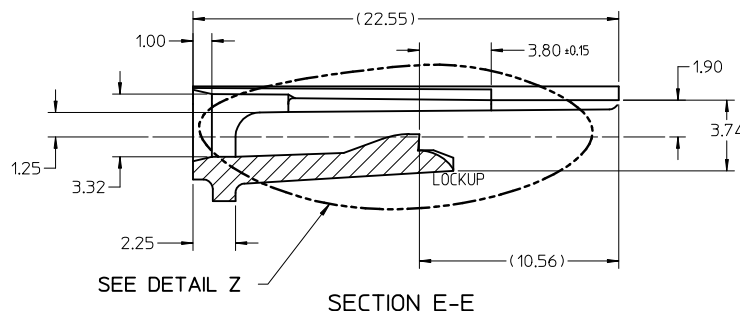
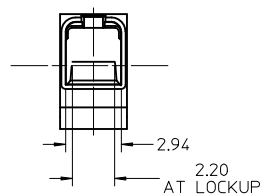
UPPER & LOWER
CHECKING-AID
A2 TOOL STEEL
HARDEN & GRIND
ROCKWELL "C" 56-58

ENTER DESCRIPTION EC NO: UAU2011-1208 DRWN:ADHIR CHKD: APPR:BMOSER	DESCRIPTION 2011/06/28 2011/07/06	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm		INCH		DRAWN BY DATE L. PULLIAM 2005/06/21		TITLE MX150 RECEPTACLE TERMINAL			
			4 PLACES ± --- ± ---		CHECKED BY DATE A. DHIR 2005/06/21							
			3 PLACES ± 0.005 ± ---		APPROVED BY DATE B. MOSER 2005/06/22							
			2 PLACES ± 0.10 ± ---		MATERIAL NO.		DOCUMENT NO. SD-33012-002					
			1 PLACE ± 0.3 ± ---									
			ANGULAR ± 3 °		MOLEX MOLEX INCORPORATED							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
									SEE TABLE			
			SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

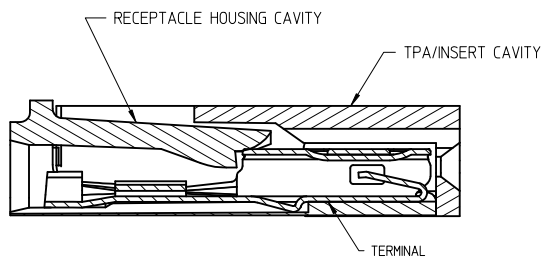


NOTES: UNLESS OTHERWISE SPECIFIED

1. TOLERANCES: LINEAR ± 0.10
ANGULAR $\pm 3^\circ$
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

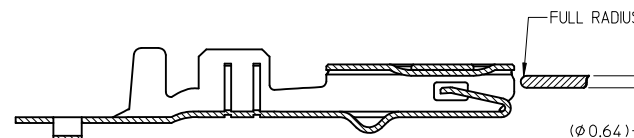
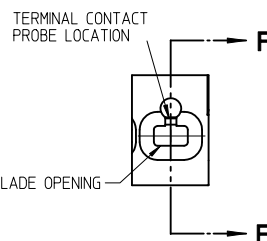


DETAIL Z
SCALE 20:1

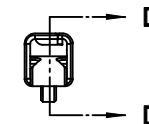


SECTION F-F

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



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



PROBING DOWN THE
THROAT MUST USE
THIS TERMINAL PROBE

PROBE PIN DETAILS:
MANUFACTURER: LONE STAR INDUSTRIAL
PART NUMBER: LS054R-403-N-4.6
PIN DIAMETER: 0.025 IN (0.64mm)
TIP SHAPE: SPHERICAL
TEL: 915-779-7255

PREFERRED PROBING LOCATION
IS NOT ON SPRING MEMBER

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

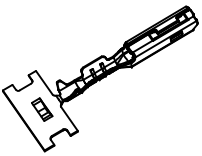
ENTER DESCRIPTION
EC NO: UAU2011-1208
DRAWN BY: DRWN:ADHR
CHKD: APPR:BMOSER
2011/06/28
2011/07/06

QUALITY
SYMBOLS
▽=0
▽=0
▽=0

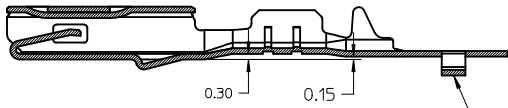
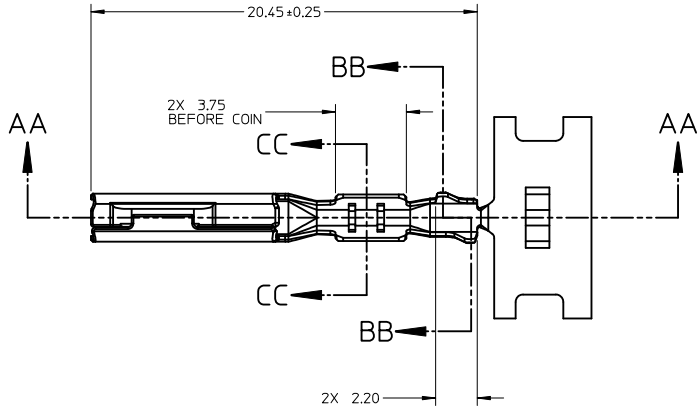
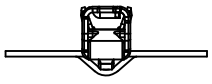
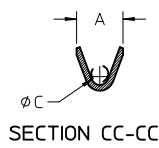
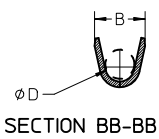
GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
4 PLACES	± 0.10
3 PLACES	± 0.05
2 PLACES	± 0.10
1 PLACE	± 0.3
ANGULAR $\pm 3^\circ$	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
L. PULLIAM	2005/06/21
CHECKED BY	DATE
A. DHIR	2005/06/21
APPROVED BY	DATE
B. MOSER	2005/06/22
MATERIAL NO.	
SEE TABLE	
SIZE	
C	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
5:1	METRIC	
TITLE		
MX150 RECEPTACLE TERMINAL		
MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-33012-002		4 OF 5
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



ISO VIEW
SCALE 2:1



SECTION AA-AA
P/N'S 33012-2004/3004
33001-4005/5005
CARRIER BUMP DIRECTION
POINTS DOWN FOR TIN PLATED TERMINAL
POINTS UP FOR PRECIOUS METAL PLATED TERMINAL

ENTER DESCRIPTION EC NO: UAU2011-1208 DRWN:ADHIR CHKD: APPR:BMOSER B3	DESCRIPTION 2011/06/28 2011/07/06	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
			4 PLACES ± --- 3 PLACES ± 0.005 2 PLACES ± 0.10 1 PLACE ± 0.3 ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	mm INCH ± --- ± --- ± 0.005 ± --- ± 0.10 ± --- ± 0.3 ± ---	DRAWN BY DATE L. PULLIAM 2005/06/21		TITLE MX150 RECEPTACLE TERMINAL					
					CHECKED BY DATE A. DHIR 2005/06/21		 MOLEX INCORPORATED					
					APPROVED BY DATE B. MOSER 2005/06/22							
					MATERIAL NO.					DOCUMENT NO.		SHEET NO.
					SEE TABLE					SD-33012-002		5 OF 5
					SIZE C					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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