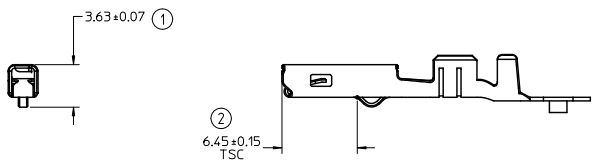
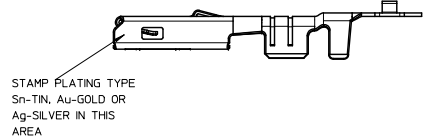


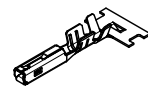
13 12 11 10 9 8 7 6 5 4 3 2 1



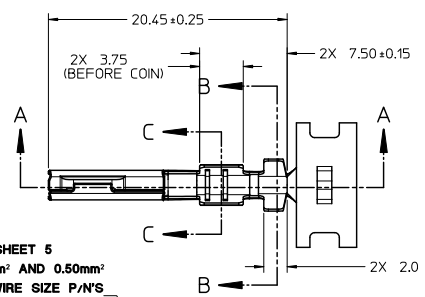
DIMENSIONS FOR LARGE POLARIZATION RIB TERMINAL ONLY



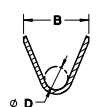
STAMP PLATING TYPE
Sn-TIN, Au-GOLD OR
Ag-SILVER IN THIS
AREA



SCALE 2:1

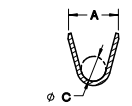
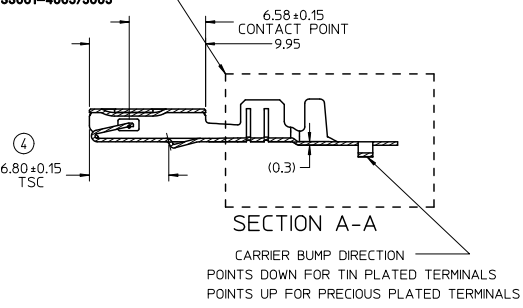
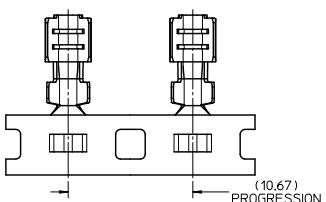
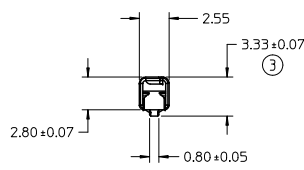


SEE SHEET 5
0.35mm² AND 0.50mm²
ISO WIRE SIZE P/N'S
33012-2004/3004
33001-4005/5005



SECTION B-B
SCALE 5:1

- NOTES: (UNLESS OTHERWISE SPECIFIED)
- MATING TERMINAL SHOWN ON SD-33000-001
 - MATERIAL: ASTM B422, UNS C19025, HR04
THICKNESS: 0.30 mm ±0.01
TEMPER: FULL HARD (REF)
TENSILE: 490 MIN MPA
 - TIN PLATED TERMINAL FINISH:
OVERALL UNDERPLATE ELECTRODEPOSITED NICKEL
OVERALL ELECTRODEPOSITED REFLOW TIN
 - GOLD PLATED TERMINAL FINISH:
OVERALL UNDERPLATE ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL
CONTACT AREA - ELECTRODEPOSITED GOLD
GRP AREA - ELECTRODEPOSITED 100% TIN MATTE FINISH
 - 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 - EVIABRITE
GRP AREA - ELECTRODEPOSITED 100% TIN MATTE FINISH
 - MEETS PERFORMANCE SPECIFICATION FOR CABLE TO TERMINAL ELECTRICAL CRIMPS PER SAE/USCAR-21 (8/2001)
 - MEETS PERFORMANCE STANDARD FOR AUTOMOTIVE ELECTRICAL CONNECTOR SYSTEMS FOR SAE/USCAR-2, REV. 4 (TEMP CLASS 3) (4/2001)
 - MEETS ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) REV.11 (5/2002)
 - MEETS FIELD CORRELATED LIFE TEST (FCLT) PER SAE/USCAR-20 (11/2001)
 - MEETS WIRING COMPONENT DESIGN GUIDELINES SAE/USCAR-12 REV 2 (12/2001)
 - TSC ON A DIMENSION TO BE INTERPRETED AS DISTANCE TO A THEORETICAL SHARP CORNER AS IF THE RADIUS WERE NOT PRESENT
 - REFERENCE 979G-1474-AAB FOR LARGE POLARIZATION RIB CAVITY SPECIFICATION
 - INSERTION FORCE (TIN AVG. FROM PV TESTING - 3.0N LARGE POLARIZATION RIB 3.5N SMALL POLARIZATION RIB (REFERENCE))
 - ALL DIMENSIONS EXCEPT \varnothing & ARE COMMON TO BOTH SMALL AND LARGE POLARIZATION RIB TERMINALS
 - REFERENCE PK-31300-516 FOR REEL DIRECTION
 - REFERENCE AS-33012-002 FOR CRIMP INFORMATION

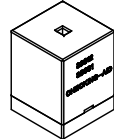


SECTION C-C
SCALE 5:1

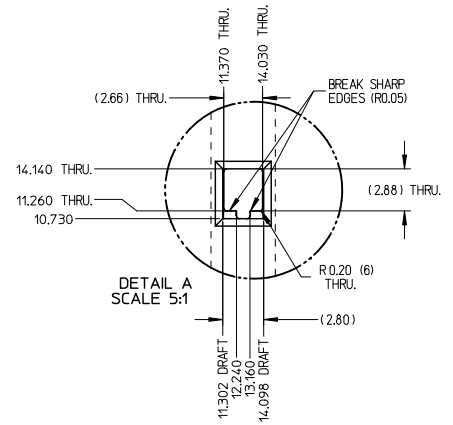
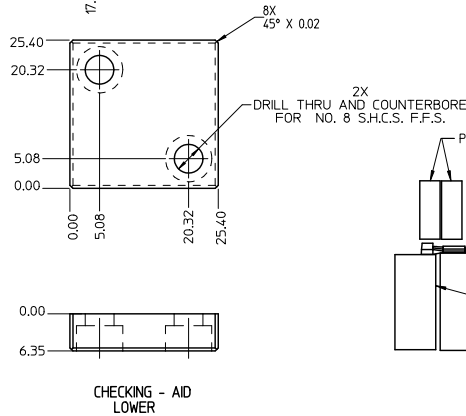
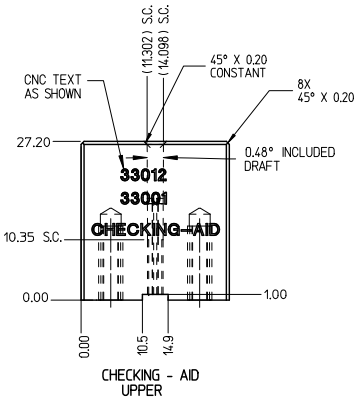
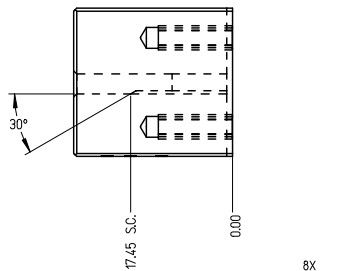
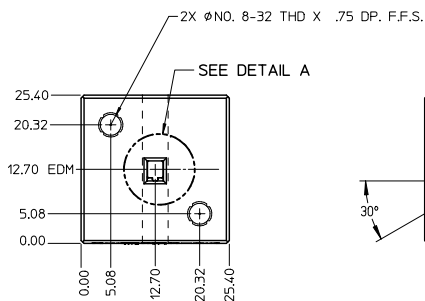
ENTER DESCRIPTION EC NO.: UAU201-0539 DRAWN: HENOS 2011/01/12 CHKD: BMOSE APPR: BMOSE BZ	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				MM ONLY		4:1	METRIC			
				DRAWN BY		DATE	TITLE			
				L. PULLIAM		2005/06/21	MX150 RECEPTACLE TERMINAL			
		3 PLACES ± 0.005		CHECKED BY		DATE				
		2 PLACES ± 0.10		A. DHIR		2005/06/21				
		1 PLACE ± 0.3		APPROVED BY		DATE				
		ANGULAR ± 3 °		B. MOSER		2005/06/22				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		SEE TABLE		C		SD-33012-002		1 OF 5		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

12 11 10 9 8 7 6 5 4 3 2 1

THIS CHECKING - AID IS FOR SMALL POLARIZATION RIB TERMINALS ONLY

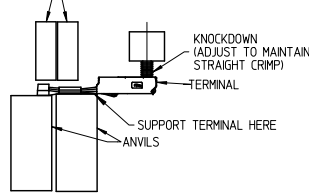


CHECKING - AID ASSEMBLY
SCALE 1:1



CRIMP REQUIREMENTS:

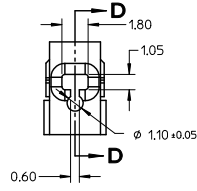
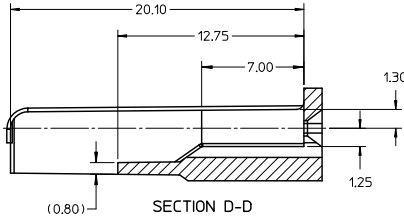
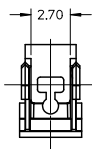
1. CRIMP STRAIGHTNESS MUST BE MAINTAINED. USE A KNOCKDOWN TOOL LOCATED AS SHOWN. TERMINAL BOX MUST NOT BE DEFORMED.
2. AFTER CRIMPING, THE CRIMPED TERMINAL (AND UP TO 5 mm OF WIRE PAST THE INSULATOR CUTOFF TAB) MUST FIT FREELY INTO THE CHECKING-AID SHOWN ON THIS PAGE.
3. FOR OTHER MECHANICAL REQUIREMENTS ON CRIMPED TERMINALS, REFER TO SAE/J593-21 (5-13-02) SECTIONS 4.2 (VISUAL INSPECTION), 4.2 (CROSS SECTION ANALYSIS) AND 4.4 (CONDUCTOR CRIMP PULLOUT FORCE).



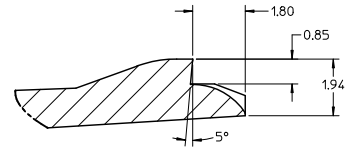
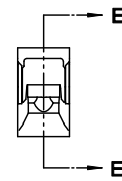
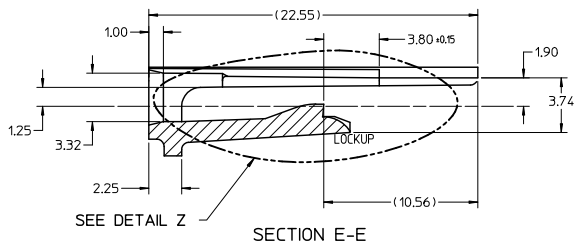
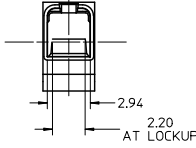
UPPER & LOWER CHECKING-AID
A2 TOOL STEEL
HARDEN & GRIND
ROCKWELL 'C' 56-58

ENTER DESCRIPTION EC NO.: UAL2011-0559 DRAWN: SHENOS 2011/01/12 CHKD: APPREMOUSER APPR: MOUSER REV:	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± 0.15 ± 0.005 3 PLACES ± 0.005 ± 0.005 2 PLACES ± 0.10 ± 0.005 1 PLACE ± 0.3 ± 0.005	mm INCH	DRAWN BY L. PULLIAM	DATE 2005/06/21	TITLE MX150 RECEPTACLE TERMINAL		
		ANGULAR ± 3°		CHECKED BY A. DHIR	DATE 2005/06/21	MOLEX INCORPORATED		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY B. MOSER	DATE 2005/06/22	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-33012-002	

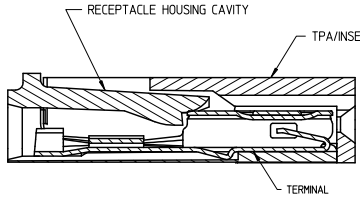
13 12 11 10 9 8 7 6 5 4 3 2 1



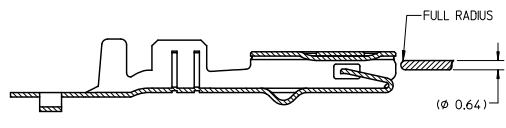
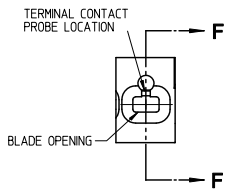
- NOTES: UNLESS OTHERWISE SPECIFIED
1. TOLERANCES: LINEAR ± 0.10
ANGULAR $\pm 3^\circ$
 2. ALL DRAFT WITHIN TOLERANCE.
 3. MAX RADI ON ALL CORNERS SHOWN SHARP: 0.10
 4. MAX FLASH PERMISSIBLE: 0.1
 5. EJECTOR PIN MARKS PERMISSIBLE IF FLUSH TO 0.25 BELOW SURFACE.
 6. MATERIAL: HOUSING/FINGER SPECIFICATION ENGINEERED FOR MATERIAL WITH THE FOLLOWING PROPERTIES:
A. FLEXURAL MODULUS = 4500 TO 9400 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

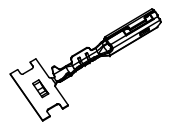
PREFERRED PROBING LOCATION IS NOT ON SPRING MEMBER

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

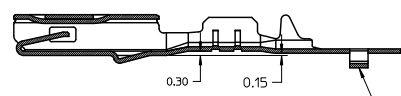
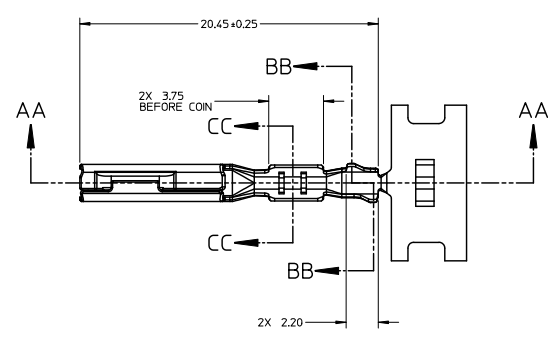
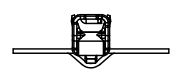
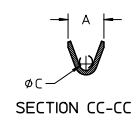
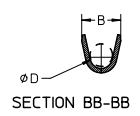
ENTER DESCRIPTION EC NO.: UAL0201-0559 DRAWN: REINOS 2011/01/12 CHKD: APPR: BMOSER 2011/01/20	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																																																																																																									
	<table border="1"> <tr> <th>PLACES</th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4</td> <td>± 0.10</td> <td>± 0.004</td> </tr> <tr> <td>3</td> <td>± 0.005</td> <td>± 0.0002</td> </tr> <tr> <td>2</td> <td>± 0.10</td> <td>± 0.004</td> </tr> <tr> <td>1</td> <td>± 0.3</td> <td>± 0.012</td> </tr> </table>	PLACES	mm	INCH	4	± 0.10	± 0.004	3	± 0.005	± 0.0002	2	± 0.10	± 0.004	1	± 0.3	± 0.012	<table border="1"> <tr> <th>PLACES</th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4</td> <td>± 0.10</td> <td>± 0.004</td> </tr> <tr> <td>3</td> <td>± 0.005</td> <td>± 0.0002</td> </tr> <tr> <td>2</td> <td>± 0.10</td> <td>± 0.004</td> </tr> <tr> <td>1</td> <td>± 0.3</td> <td>± 0.012</td> </tr> </table>	PLACES	mm	INCH	4	± 0.10	± 0.004	3	± 0.005	± 0.0002	2	± 0.10	± 0.004	1	± 0.3	± 0.012	<table border="1"> <tr> <th>PLACES</th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4</td> <td>± 0.10</td> <td>± 0.004</td> </tr> <tr> <td>3</td> <td>± 0.005</td> <td>± 0.0002</td> </tr> <tr> <td>2</td> <td>± 0.10</td> <td>± 0.004</td> </tr> <tr> <td>1</td> <td>± 0.3</td> <td>± 0.012</td> </tr> </table>	PLACES	mm	INCH	4	± 0.10	± 0.004	3	± 0.005	± 0.0002	2	± 0.10	± 0.004	1	± 0.3	± 0.012	<table border="1"> <tr> <th>PLACES</th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4</td> <td>± 0.10</td> <td>± 0.004</td> </tr> <tr> <td>3</td> <td>± 0.005</td> <td>± 0.0002</td> </tr> <tr> <td>2</td> <td>± 0.10</td> <td>± 0.004</td> </tr> <tr> <td>1</td> <td>± 0.3</td> <td>± 0.012</td> </tr> </table>	PLACES	mm	INCH	4	± 0.10	± 0.004	3	± 0.005	± 0.0002	2	± 0.10	± 0.004	1	± 0.3	± 0.012	<table border="1"> <tr> <th>PLACES</th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4</td> <td>± 0.10</td> <td>± 0.004</td> </tr> <tr> <td>3</td> <td>± 0.005</td> <td>± 0.0002</td> </tr> <tr> <td>2</td> <td>± 0.10</td> <td>± 0.004</td> </tr> <tr> <td>1</td> <td>± 0.3</td> <td>± 0.012</td> </tr> </table>	PLACES	mm	INCH	4	± 0.10	± 0.004	3	± 0.005	± 0.0002	2	± 0.10	± 0.004	1	± 0.3	± 0.012	<table border="1"> <tr> <th>PLACES</th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4</td> <td>± 0.10</td> <td>± 0.004</td> </tr> <tr> <td>3</td> <td>± 0.005</td> <td>± 0.0002</td> </tr> <tr> <td>2</td> <td>± 0.10</td> <td>± 0.004</td> </tr> <tr> <td>1</td> <td>± 0.3</td> <td>± 0.012</td> </tr> </table>	PLACES	mm	INCH	4	± 0.10	± 0.004	3	± 0.005	± 0.0002	2	± 0.10	± 0.004	1	± 0.3	± 0.012	<table border="1"> <tr> <th>PLACES</th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4</td> <td>± 0.10</td> <td>± 0.004</td> </tr> <tr> <td>3</td> <td>± 0.005</td> <td>± 0.0002</td> </tr> <tr> <td>2</td> <td>± 0.10</td> <td>± 0.004</td> </tr> <tr> <td>1</td> <td>± 0.3</td> <td>± 0.012</td> </tr> </table>	PLACES	mm	INCH	4	± 0.10	± 0.004	3	± 0.005	± 0.0002	2	± 0.10	± 0.004	1	± 0.3
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE	DRAWN BY L. PULLIAM 2005/06/21		DATE 2005/06/21	TITLE MX150 RECEPTACLE TERMINAL																																																																																																										
		CHECKED BY A. DHIR 2005/06/21		DATE 2005/06/21	MOLEX INCORPORATED																																																																																																										
		APPROVED BY B. MOSER 2005/06/22		DATE 2005/06/22	MATERIAL NO. SD-33012-002																																																																																																										
		MATERIAL NO.		DOCUMENT NO.	SHEET NO. 4 OF 5																																																																																																										

12 11 10 9 8 7 6 5 4 3 2 1

13 12 11 10 9 8 7 6 5 4 3 2 1



ISO VIEW
SCALE 2:1



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. UAU2011-0559 DRAWN: RENOUS 2011/01/12 CHKD: APPR: BMOSER 2011/01/20	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	∇=0 ∇=0.05 ∇=0.1 ∇=0.3 ANGULAR ± 3°	4 PLACES ± --- ± --- 3 PLACES ± 0.005 ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.3 ± ---	MM ONLY	5:1	METRIC	MX150 RECEPTACLE TERMINAL
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY L. PULLIAM CHECKED BY A. DHIR APPROVED BY B. MOSER	DATE 2005/06/21 DATE 2005/06/21 DATE 2005/06/22	MOLEX INCORPORATED SD-33012-002		
	MATERIAL NO. SEE TABLE SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			SHEET NO. 5 OF 5	

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