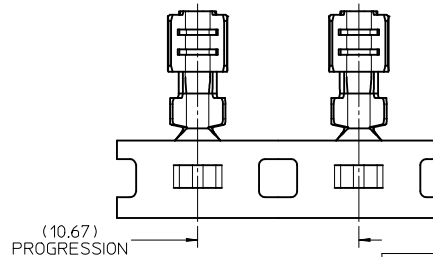
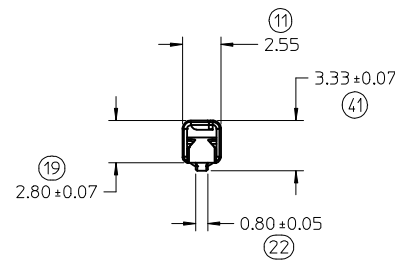


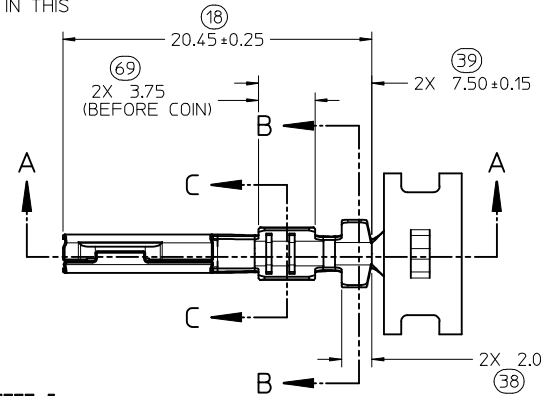
DIMENSIONS FOR LARGE POLARIZATION RIB TERMINAL ONLY

NOTES: (UNLESS OTHERWISE SPECIFIED)

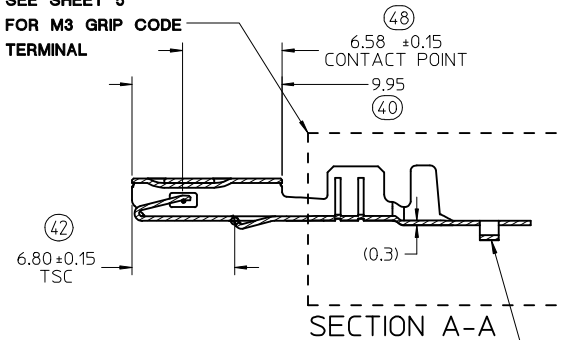
- MATING TERMINAL SHOWN ON SD-33000-001
- MATERIAL: ASTM B422, UNS C19025, HR04
THICKNESS: 0.30 mm ± 0.01
TEMPER: FULL HARD (REF)
TENSILE: 496 MIN MPA
- TIN PLATED TERMINAL FINISH:
OVERALL UNDERPLATE ELECTRODEPOSITED NICKEL
OVERALL ELECTRODEPOSITED REFLOW TIN
- GOLD PLATED TERMINAL FINISH:
OVERALL UNDERPLATE ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL
CONTACT AREA - ELECTRODEPOSITED GOLD
GRIP 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 : EVABRITE
GRIP 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) (5/2004)
- MEETS ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) REV.11 (5/2002)
- MEETS FIELD CORRELATED LIFE TEST (FCLT) PER SAE/USCAR-20 (6/2004)
- 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 9786-14474-AAB FOR LARGE POLARIZATION RIB CAVITY SPECIFICATION
- INSERTION FORCE (TIN) AVG. FROM PV TESTING -
3.8N LARGE POLARIZATION RIB
3.5N SMALL POLARIZATION RIB (REFERENCE)
- ALL DIMENSIONS EXCEPT (33), (34), (41) & (42) ARE COMMON TO BOTH SMALL AND LARGE POLARIZATION RIB TERMINALS
- REFERENCE PK-31300-516 FOR REEL DIRECTION
- REFERENCE AS-33012-002 FOR CRIMP INFORMATION



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

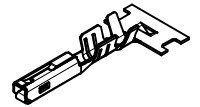


SEE SHEET 5
FOR M3 GRIP CODE
TERMINAL

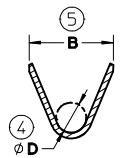


SECTION A-A

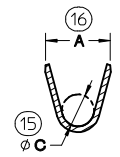
CARRIER BUMP DIRECTION
POINTS DOWN FOR TIN PLATED TERMINALS
POINTS UP FOR PRECIOUS PLATED TERMINALS



SCALE 2:1



SECTION B-B SCALE 5:1

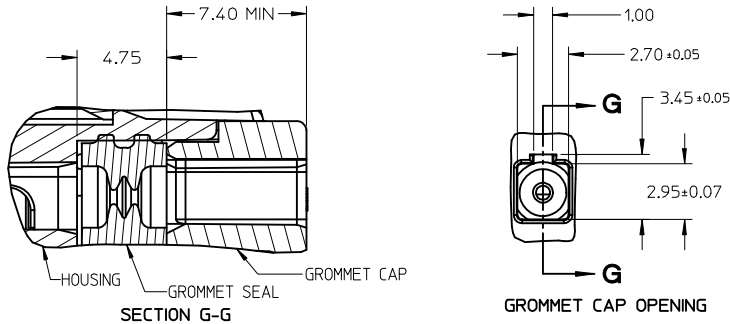


SECTION C-C SCALE 5:1

ENTER DESCRIPTION EC NO: UAU2017-1076 DRAWN: KENKATESH 2017/05/29 CHKD: A. DHIR 2017/05/29 APPR: T.JSMITH 2017/06/09 C1		DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY DATE	TITLE MX150 RECEPTACLE TERMINAL				
				4 PLACES	± ---	± ---	L. PULLIAM 2005/06/21					
				3 PLACES	± ---	± ---	CHECKED BY DATE					
				2 PLACES	± 0.10	± ---	A. DHIR 2005/06/21					
				1 PLACE	± 0.3	± ---	APPROVED BY DATE					
				0 PLACE	±	±	B. MOSER 2005/06/22					
				ANGULAR ± 3 °		MATERIAL NO.	DOCUMENT NO.		SHEET NO.			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE			SD-33012-002		1 OF 5	
						SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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	3.9	4.4	1.7	1.6	HIGH PERFORMANCE Sn
				33012-3001	LEFT (D)		1.50-2.00mm²					
				33012-2002	RIGHT (B)	18	20/18AWG	3.3	3.1	1.3	1.4	
				33012-3002	LEFT (D)		0.75-1.00mm²					
				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	HIGH PERFORMANCE Au	
			33012-3004	LEFT (D)								
			Au	33001-2003	RIGHT (B)	14	16/14AWG	3.9	4.4	1.7		1.6
				33001-3003	LEFT (D)		1.50-2.00mm²					
				33001-2004	RIGHT (B)	18	20/18AWG	3.3	3.1	1.3		1.4
				33001-3004	LEFT (D)		0.75-1.00mm²					
				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	HIGH PERFORMANCE Ag	
			33001-3006	LEFT (D)								
			Ag	33001-4001	RIGHT (B)	14	16/14AWG	3.9	4.4	1.7		1.6
				33001-5001	LEFT (D)		1.50-2.00mm²					
				33001-4002	RIGHT (B)	18	20/18AWG	3.3	3.1	1.3		1.4
				33001-5002	LEFT (D)		0.75-1.00mm²					
				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	3.9	4.4	1.7	1.6	HIGH PERFORMANCE Sn
				33012-3021	LEFT (D)		1.50-2.00mm²					
				33012-2022	RIGHT (B)	18	20/18AWG	3.3	3.1	1.3	1.4	
				33012-3022	LEFT (D)		0.75-1.00mm²					
				33012-2023	RIGHT (B)	22	22AWG	2.5	2.6	0.9	1.0	
			33012-3023	LEFT (D)	0.35-0.50mm²							
			Au	33001-2021	RIGHT (B)	14	16/14AWG	3.9	4.4	1.7	1.6	HIGH PERFORMANCE Au
				33001-3021	LEFT (D)		1.50-2.00mm²					
				33001-2022	RIGHT (B)	18	20/18AWG	3.3	3.1	1.3	1.4	
				33001-3022	LEFT (D)		0.75-1.00mm²					
				33001-2023	RIGHT (B)	22	22AWG	2.5	2.6	0.9	1.0	
			33001-3023	LEFT (D)	0.35-0.50mm²							
			Ag	33001-4021	RIGHT (B)	14	16/14AWG	3.9	4.4	1.7	1.6	HIGH PERFORMANCE Ag
				33001-5021	LEFT (D)		1.50-2.00mm²					
				33001-4022	RIGHT (B)	18	20/18AWG	3.3	3.1	1.3	1.4	
				33001-5022	LEFT (D)		0.75-1.00mm²					
				33001-4023	RIGHT (B)	22	22AWG	2.5	2.6	0.9	1.0	
			33001-5023	LEFT (D)	0.35-0.50mm²							

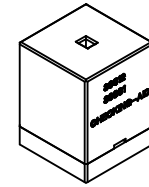
* REFERENCE AS-33012-002 FOR SPECIFIC WIRE TYPES



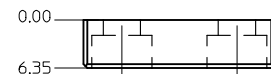
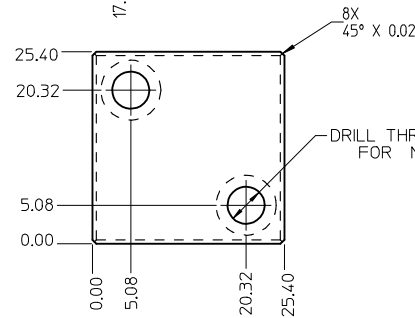
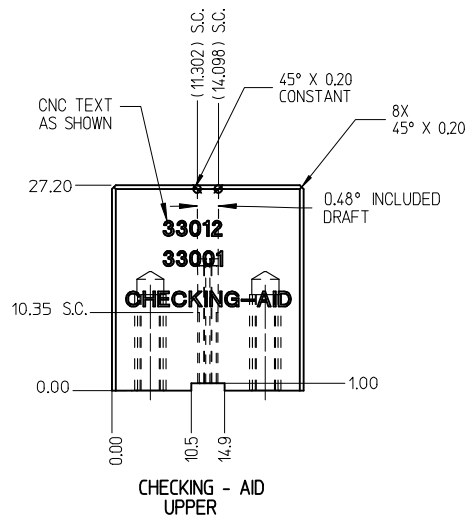
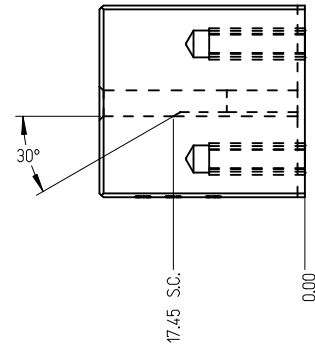
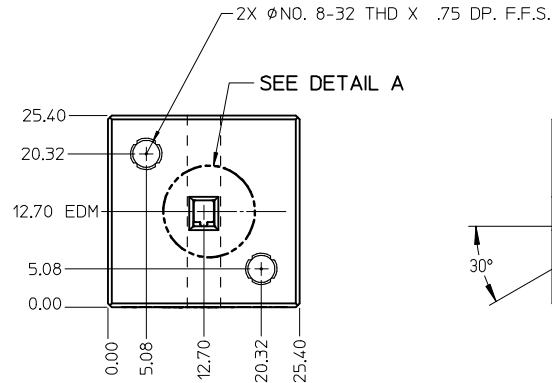
GROMMET SEAL / CAP CONFIGURATION TO MODIFY LARGE POLARIZATION RIB CAVITY TO ACCEPT SMALL POLARIZATION RIB APPLICATIONS

ENTER DESCRIPTION EC NO: UAU2017-4076 DRWN:VENKATESH2017/05/29 CHKD:A. DHIR 2017/05/29 APPR:TJSMITH 2017/06/09	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.3 ± --- 0 PLACE ± ± ANGULAR ± 3 ° 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	SCALE DESIGN UNITS METRIC THIRD ANGLE PROJECTION MX150 RECEPTACLE TERMINAL molex SD-33012-002	SHEET NO. 2 OF 5

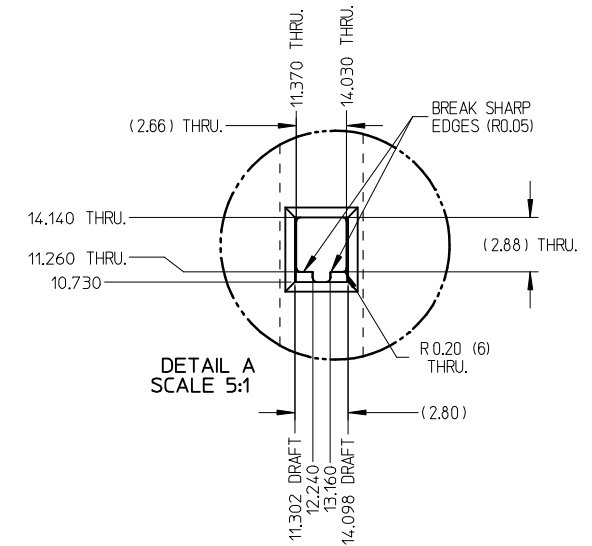
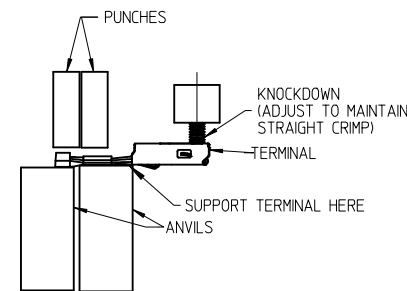
THIS CHECKING - AID IS FOR SMALL POLARIZATION RIB TERMINALS ONLY



CHECKING - AID ASSEMBLY
SCALE 1:1



CHECKING - AID
LOWER

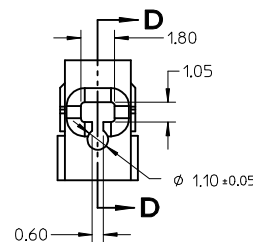
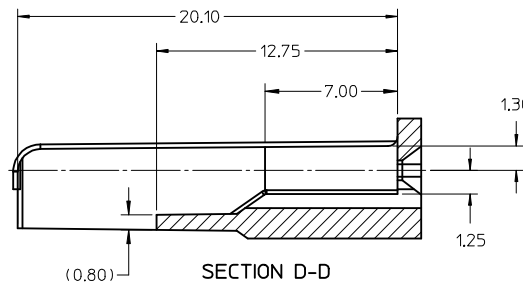
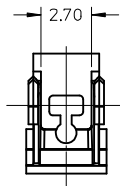


CRIMP REQUIREMENTS:

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)

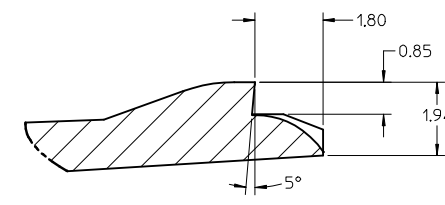
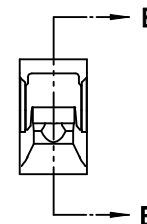
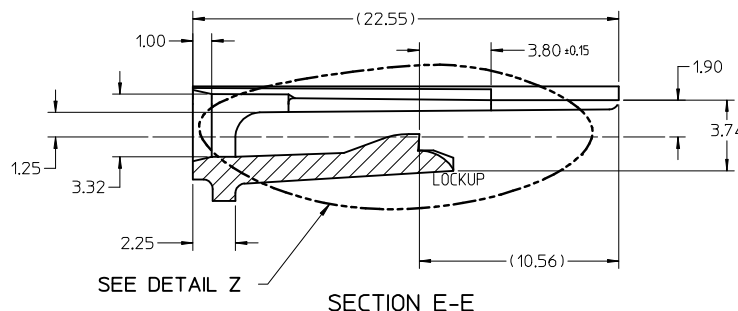
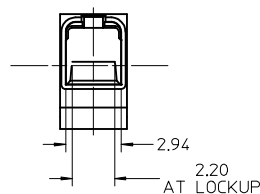
UPPER & LOWER
CHECKING-AID
A2 TOOL STEEL
HARDEN & GRIND
ROCKWELL "C" 56-58

ENTER DESCRIPTION EC NO: UAU2017-1076 DRWN:VKNKATESHSH2017/05/29 CHKD:A. DHIR 2017/05/29 APPR:T.JSMITH 2017/06/09	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY	DATE	TITLE MX150 RECEPTACLE TERMINAL				
			4 PLACES	± ---	± ---	L. PULLIAM	2005/06/21					
			3 PLACES	± ---	± ---	CHECKED BY	DATE	SEE TABLE				
			2 PLACES	± 0.10	± ---	A. DHIR	2005/06/21					
			1 PLACE	± 0.3	± ---	APPROVED BY	DATE	DOCUMENT NO. SD-33012-002				
			0 PLACE	±	±	B. MOSER	2005/06/22					
			ANGULAR ± 3 °			MATERIAL NO.		SHEET NO. 3 OF 5				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE C						
			REV									

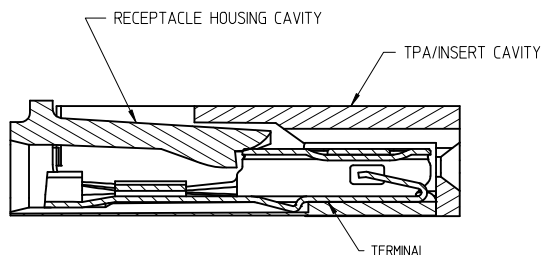


NOTES: UNLESS OTHERWISE SPECIFIED

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

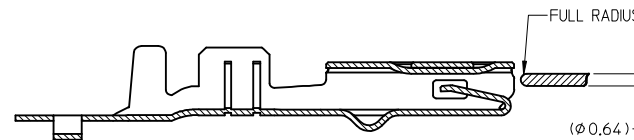
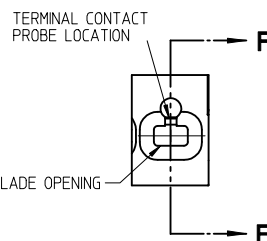


DETAIL Z
SCALE 20:1

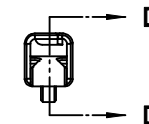


SECTION F-F

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

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

PREFERRED PROBING LOCATION
IS NOT ON SPRING MEMBER

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

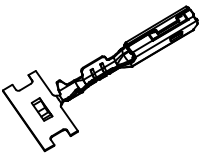
ENTER DESCRIPTION
EC NO: UAU2017-1076
DRAWN: VENKATESH 2017/05/29
CHKD: A. DHIR 2017/05/29
APPR: T. SMITH 2017/06/09

QUALITY
SYMBOLS
▽=0
▽=0
▽=0

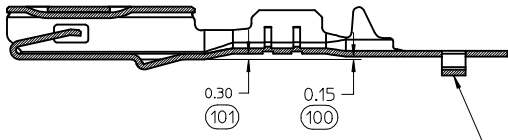
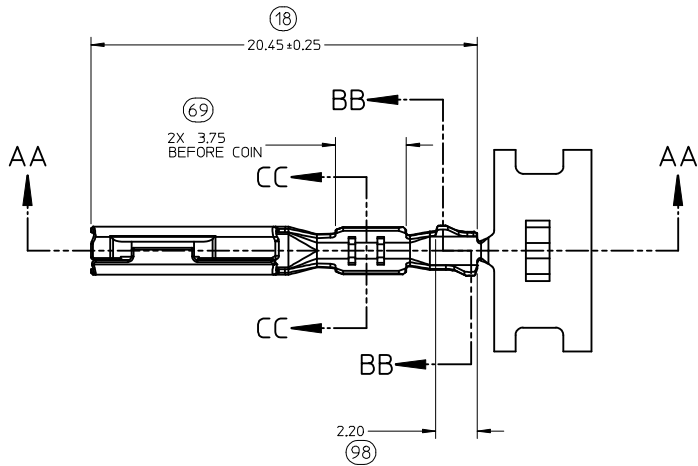
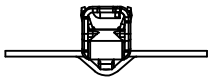
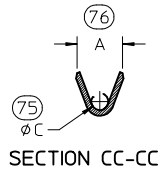
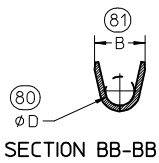
GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
4 PLACES	± 0.10
3 PLACES	± 0.15
2 PLACES	± 0.20
1 PLACE	± 0.3
0 PLACE	± 0.4
ANGULAR $\pm 3^\circ$	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

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	

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

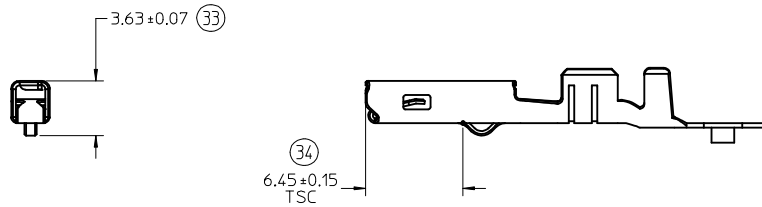


ISO VIEW
SCALE 2:1



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

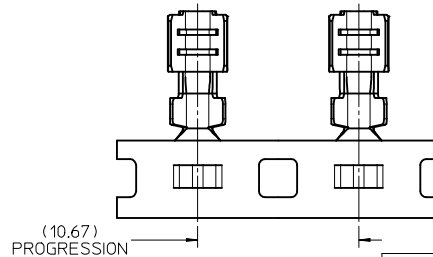
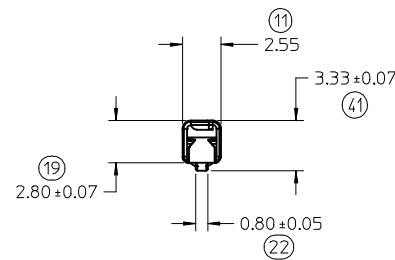
ENTER DESCRIPTION EC NO: UAU2017-1076 DRAWN: VENKATESH 2017/05/29 CHKD: A. DHIR 2017/05/29 APPR: T. J. SMITH 2017/06/09	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	
					MM ONLY		5:1	METRIC		
					DRAWN BY	DATE	TITLE MX150 RECEPTACLE TERMINAL			
					L. PULLIAM	2005/06/21				
					CHECKED BY	DATE	MOLEX INCORPORATED			
					A. DHIR	2005/06/21				
					APPROVED BY	DATE	DOCUMENT NO. SD-33012-002			
					B. MOSER	2005/06/22				
					MATERIAL NO.		SHEET NO. 5 OF 5			
					SEE TABLE					
C1	REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
					C					



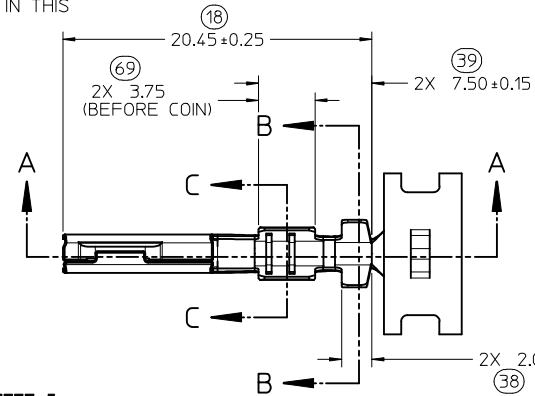
DIMENSIONS FOR LARGE POLARIZATION RIB TERMINAL ONLY

NOTES: (UNLESS OTHERWISE SPECIFIED)

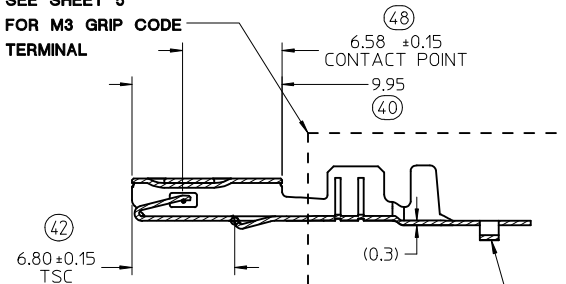
- MATING TERMINAL SHOWN ON SD-33000-001
- MATERIAL: ASTM B422, UNS C19025, HR04
THICKNESS: 0.30 mm ±0.01
TEMPER: FULL HARD (REF)
TENSILE: 496 MIN MPA
- TIN PLATED TERMINAL FINISH:
OVERALL UNDERPLATE ELECTRODEPOSITED NICKEL
OVERALL ELECTRODEPOSITED REFLOW TIN
- GOLD PLATED TERMINAL FINISH:
OVERALL UNDERPLATE ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL
CONTACT AREA - ELECTRODEPOSITED GOLD
GRIP 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 : EVABRITE
GRIP 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) (5/2004)
- MEETS ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) REV.11 (5/2002)
- MEETS FIELD CORRELATED LIFE TEST (FCLT) PER SAE/USCAR-20 (6/2004)
- 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 97BG-14474-AAB FOR LARGE POLARIZATION RIB CAVITY SPECIFICATION
- INSERTION FORCE (TIN) AVG. FROM PV TESTING -
3.8N LARGE POLARIZATION RIB
3.5N SMALL POLARIZATION RIB (REFERENCE)
- ALL DIMENSIONS EXCEPT (33), (34), (41) & (42) ARE COMMON TO BOTH SMALL AND LARGE POLARIZATION RIB TERMINALS
- REFERENCE PK-31300-516 FOR REEL DIRECTION
- REFERENCE AS-33012-002 FOR CRIMP INFORMATION



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

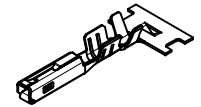


SEE SHEET 5
FOR M3 GRIP CODE
TERMINAL

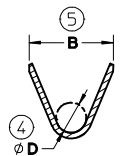


SECTION A-A

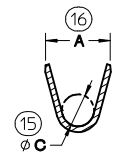
CARRIER BUMP DIRECTION
POINTS DOWN FOR TIN PLATED TERMINALS
POINTS UP FOR PRECIOUS PLATED TERMINALS



SCALE 2:1



SECTION B-B SCALE 5:1

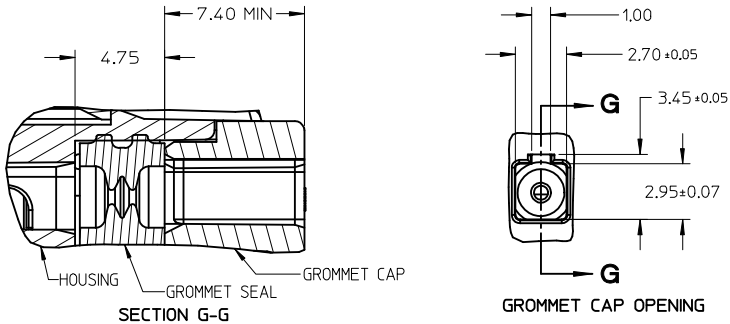


SECTION C-C SCALE 5:1

ENTER DESCRIPTION EC NO: UAU2017-1076 DRWN: KENKATESH CHKD: A. DHIR APPR: T.JSMITH		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		 	mm		INCH		DRAWN BY DATE L. PULLIAM 2005/06/21		TITLE MX150 RECEPTACLE TERMINAL molex DOCUMENT NO. SD-33012-002 SHEET NO. 1 OF 5				
			4 PLACES ± --- ± ---		3 PLACES ± --- ± ---		CHECKED BY DATE A. DHIR 2005/06/21						
			2 PLACES ± 0.10 ± ---		1 PLACE ± 0.3 ± ---		APPROVED BY DATE B. MOSER 2005/06/22						
			0 PLACE ± ±		ANGULAR ± 3 °		MATERIAL NO.						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE								
		REV	SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

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	3.9	4.4	1.7	1.6	HIGH PERFORMANCE Sn			
				33012-3001	LEFT (D)		1.50-2.00mm²								
				33012-2002	RIGHT (B)	18	20/18AWG	3.3	3.1	1.3	1.4				
				33012-3002	LEFT (D)		0.75-1.00mm²								
				33012-2003	RIGHT (B)	22	22AWG	2.5	2.6	0.9	1.0				
				33012-3003	LEFT (D)										
			Au	33012-2004	RIGHT (B)	M3	0.35-0.50mm²	2.5	2.7	0.9	1.54 ±0.1	HIGH PERFORMANCE Au			
				33012-3004	LEFT (D)										
				33001-2003	RIGHT (B)	14	16/14AWG	3.9	4.4	1.7	1.6				
				33001-3003	LEFT (D)		1.50-2.00mm²								
				33001-2004	RIGHT (B)	18	20/18AWG	3.3	3.1	1.3	1.4				
				33001-3004	LEFT (D)		0.75-1.00mm²								
			Ag	33001-2005	RIGHT (B)	22	22AWG	2.5	2.6	0.9	1.0	HIGH PERFORMANCE Ag			
				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)										
				33001-4001	RIGHT (B)	14	16/14AWG	3.9	4.4	1.7	1.6				
				33001-5001	LEFT (D)		1.50-2.00mm²								
			LARGE POLARIZATION RIB - NOT TO BE USED IN MX150 SEALED CONNECTORS												
			MX150	RECEPTACLE	UNSEALED	Sn	33012-2021	RIGHT (B)	14	16/14AWG	3.9	4.4	1.7	1.6	HIGH PERFORMANCE Sn
							33012-3021	LEFT (D)		1.50-2.00mm²					
							33012-2022	RIGHT (B)	18	20/18AWG	3.3	3.1	1.3	1.4	
							33012-3022	LEFT (D)		0.75-1.00mm²					
							33012-2023	RIGHT (B)	22	22AWG	2.5	2.6	0.9	1.0	
Au	33012-3023	LEFT (D)					0.35-0.50mm²								
	33001-2021	RIGHT (B)				14	16/14AWG	3.9	4.4	1.7	1.6	HIGH PERFORMANCE Au			
	33001-3021	LEFT (D)					1.50-2.00mm²								
	33001-2022	RIGHT (B)				18	20/18AWG	3.3	3.1	1.3	1.4				
	33001-3022	LEFT (D)					0.75-1.00mm²								
Ag	33001-2023	RIGHT (B)				22	22AWG	2.5	2.6	0.9	1.0		HIGH PERFORMANCE Ag		
	33001-3023	LEFT (D)					0.35-0.50mm²								
	33001-4021	RIGHT (B)				14	16/14AWG	3.9	4.4	1.7	1.6				
	33001-5021	LEFT (D)					1.50-2.00mm²								
	33001-4022	RIGHT (B)				18	20/18AWG	3.3	3.1	1.3	1.4				
	33001-5022	LEFT (D)					0.75-1.00mm²								
	33001-4023	RIGHT (B)				22	22AWG	2.5	2.6	0.9	1.0				
	33001-5023	LEFT (D)					0.35-0.50mm²								

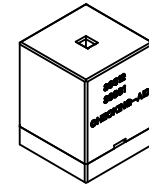
* REFERENCE AS-33012-002 FOR SPECIFIC WIRE TYPES



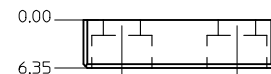
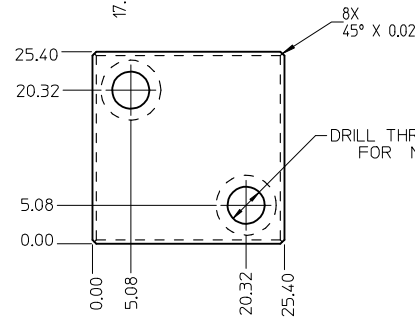
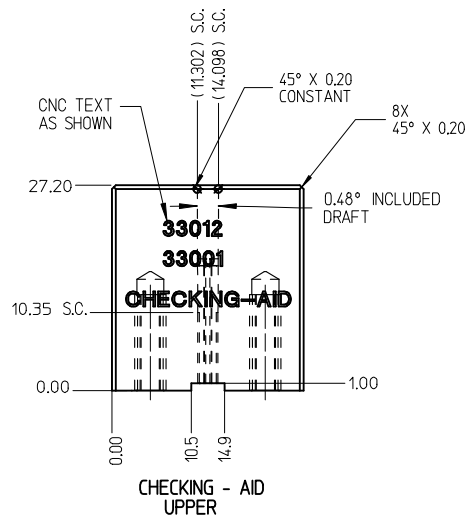
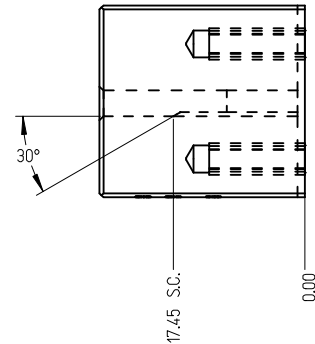
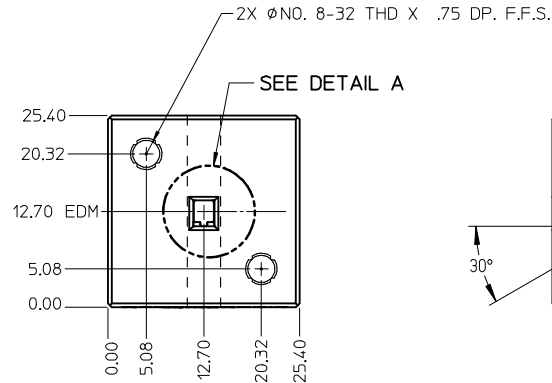
GROMMET SEAL / CAP CONFIGURATION TO MODIFY LARGE POLARIZATION RIB CAVITY TO ACCEPT SMALL POLARIZATION RIB APPLICATIONS

ENTER DESCRIPTION EC NO: UAU2017-4076 DRW:WENKATESHSH2017/05/29 CHKD:A. DHIR 2017/05/29 APPR:TJSMITH 2017/06/09	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.3 ± --- 0 PLACE ± ± ANGULAR ± 3 ° 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	SCALE DESIGN UNITS METRIC THIRD ANGLE PROJECTION MX150 RECEPTACLE TERMINAL molex SD-33012-002	SHEET NO. 2 OF 5

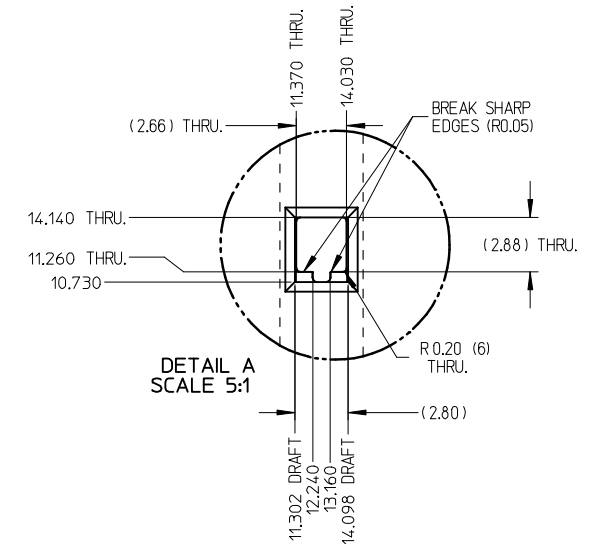
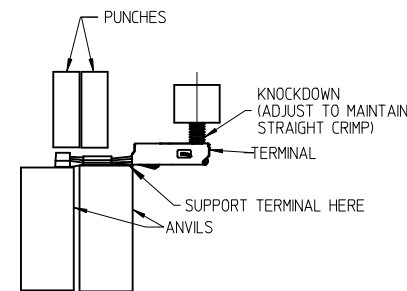
THIS CHECKING - AID IS FOR SMALL POLARIZATION RIB TERMINALS ONLY



CHECKING - AID ASSEMBLY
SCALE 1:1



CHECKING - AID
LOWER

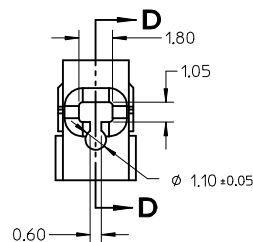
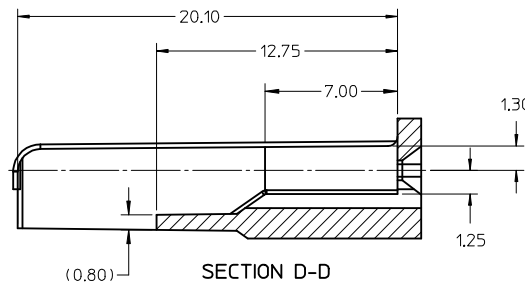
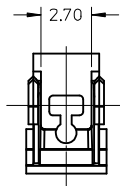


CRIMP REQUIREMENTS:

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)

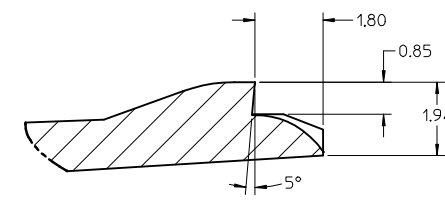
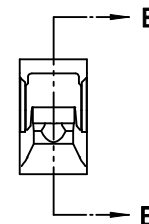
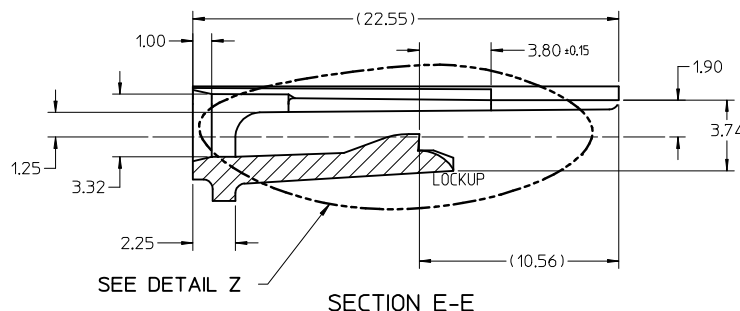
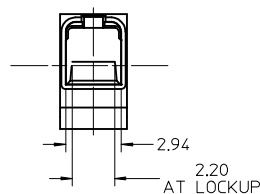
UPPER & LOWER
CHECKING-AID
A2 TOOL STEEL
HARDEN & GRIND
ROCKWELL "C" 56-58

ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
EC NO: UAU2017-1076		DESCRIPTION		mm		INCH		DRAWN BY		DATE	
DRWN:VKNKATESHSH2017/05/29		REV		4 PLACES ± ---		± ---		L. PULLIAM		2005/06/21	
CHKD:A. DHIR 2017/05/29		APPR:TJSMITH 2017/06/09		3 PLACES ± ---		± ---		CHECKED BY		DATE	
C1				2 PLACES ± 0.10		± ---		A. DHIR		2005/06/21	
				1 PLACE ± 0.3		± ---		APPROVED BY		DATE	
				0 PLACE ±		±		B. MOSER		2005/06/22	
				ANGULAR ± 3 °				MATERIAL NO.		DOCUMENT NO.	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE		SEE TABLE		SD-33012-002	
								THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX. INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 3 OF 5	

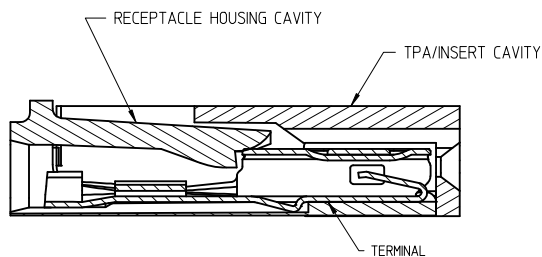


NOTES: UNLESS OTHERWISE SPECIFIED

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

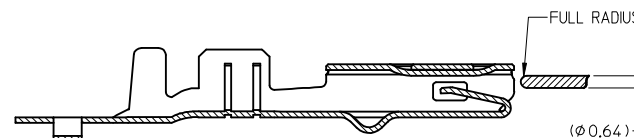
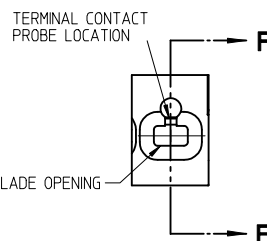


DETAIL Z
SCALE 20:1

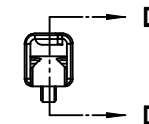


SECTION F-F

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



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



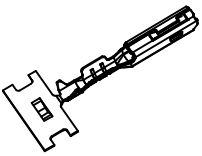
PROBING DOWN THE
THROAT MUST USE
THIS TERMINAL PROBE

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

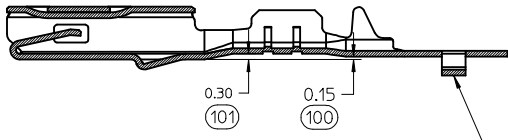
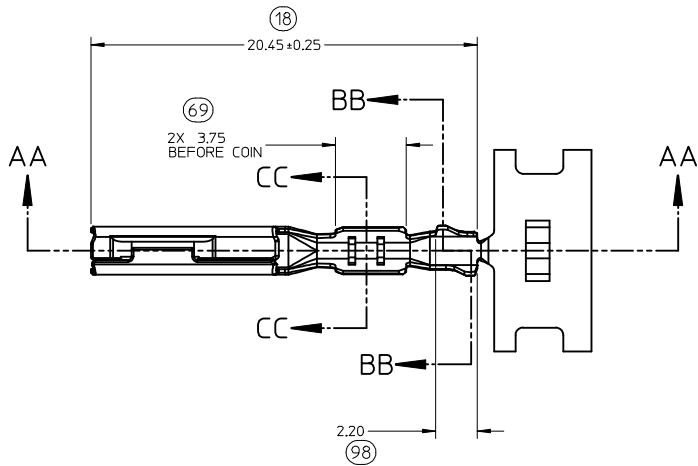
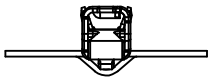
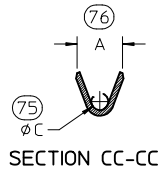
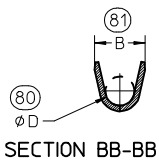
PREFERRED PROBING LOCATION
IS NOT ON SPRING MEMBER

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

ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: UAU2017-1076		DRAWN BY: L. PULLIAM		DATE: 2005/06/21		MM ONLY		5:1		METRIC		MX150 RECEPTACLE TERMINAL	
EC NO: UAU2017-1076		DRAWN BY: A. DHIR		DATE: 2005/06/21		INCH		4 PLACES		SEE TABLE		SD-33012-002	
EC NO: UAU2017-1076		DRAWN BY: B. MOSER		DATE: 2005/06/22		± ---		3 PLACES		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 4 OF 5	
EC NO: UAU2017-1076		DRAWN BY: C1		DATE: 2005/06/22		± 0.10		2 PLACES					
EC NO: UAU2017-1076		DRAWN BY: C1		DATE: 2005/06/22		± 0.3		1 PLACE					
EC NO: UAU2017-1076		DRAWN BY: C1		DATE: 2005/06/22		±		0 PLACE					
EC NO: UAU2017-1076		DRAWN BY: C1		DATE: 2005/06/22		ANGULAR ± 3°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					



ISO VIEW
SCALE 2:1



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

ENTER DESCRIPTION EC NO: UAU2017-1076 DRAWN: VENKATESH 2017/05/29 CHKD: A. DHIR 2017/05/29 APPR: T. J. SMITH 2017/06/09	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
					MM ONLY		5:1	METRIC		
					DRAWN BY	DATE	TITLE MX150 RECEPTACLE TERMINAL			
					L. PULLIAM	2005/06/21				
					CHECKED BY	DATE				
					A. DHIR	2005/06/21				
					APPROVED BY	DATE	molex MOLEX INCORPORATED			
					B. MOSER	2005/06/22				
					MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-33012-002		5 OF 5	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										