

Excellent Integrated System Limited

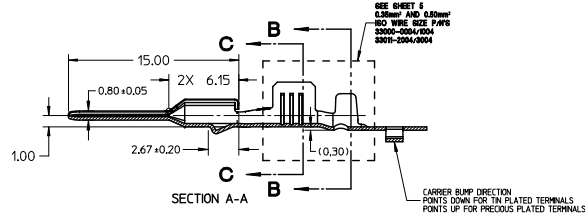
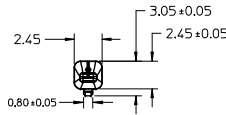
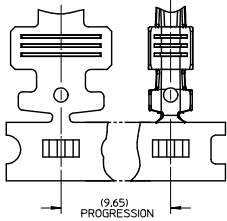
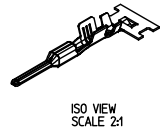
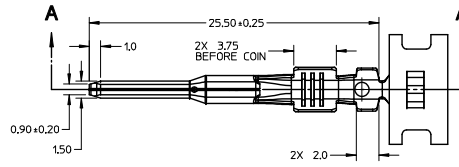
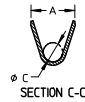
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[0330000003](#)

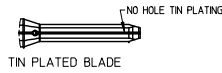
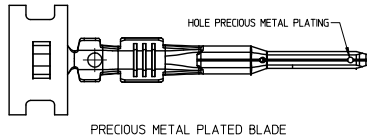
For any questions, you can email us directly:

sales@integrated-circuit.com



GENERAL NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATING TERMINAL SHOWN ON SD-33012-002
2. MATERIAL: ASTM B422, UNS C19025, HR04
THICKNESS: 0.30 mm ± 0.01
TEMPER: FULL HARD (REF)
TENSILE: 496-572 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
GRP 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
GRP AREA - ELECTRODEPOSITED 100% TIN MATTE FINISH
6. MEETS CRIMP PERFORMANCE SPECIFICATION SAE/USCAR-21 (8/2000)
7. MEETS PERFORMANCE STANDARD FOR AUTOMOTIVE ELECTRICAL CONNECTOR SYSTEMS SAE/USCAR-2 REV 3 (APRIL 2009)
8. MEETS FIELD CORRELATED LIFE TEST SAE/USCAR-20 (11/2009)
9. MEETS WIRING COMPONENT DESIGN GUIDELINES SAE/USCAR-12 REV 2 (12/2009)
10. MEETS ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) REV 11 (5/2002)
11. REFERENCE PK-31300-5/6 FOR REEL DIRECTION
12. REFERENCE AS-33000-001 FOR CRIMP INFORMATION

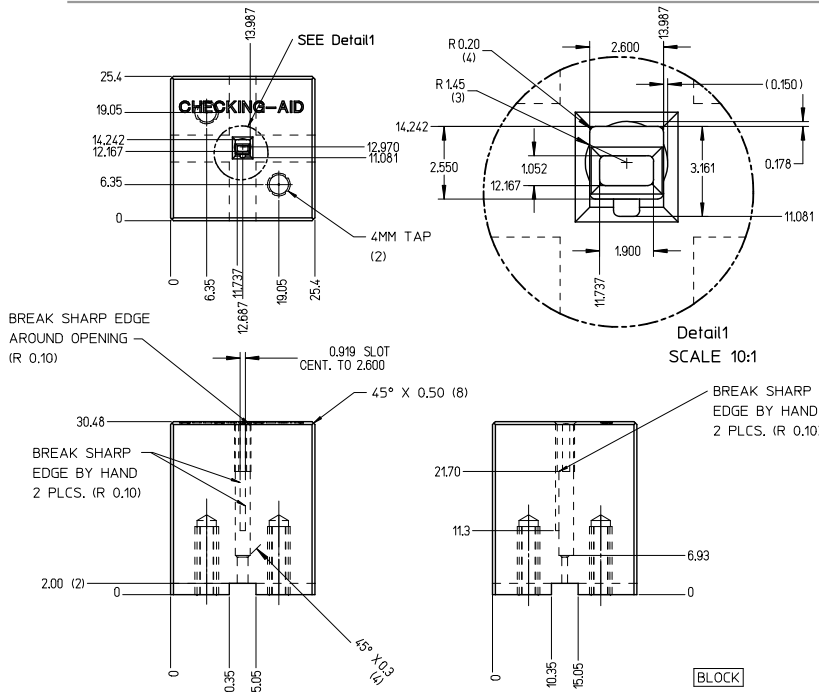


ENTER DESCRIPTION EC NO: UAU2014-0473 DRAWN/JENNINGS01 2013/10/07 CHKD: APPR:BMOSE 2014/01/03	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			mm	INCH	DRAWN BY L.PULLIAM	DATE 2006/01/31	MX150 1.5MM BLADE TERMINAL				
		4 PLACES	± 0.1	± ---	CHECKED BY A.DHIR	DATE 2006/02/01					
		3 PLACES	± 0.1	± ---	APPROVED BY B.MOSER		DATE 2006/02/02	MOLEX INCORPORATED			
		2 PLACES	± 0.1	± ---							
		1 PLACE	± 0.3	± ---	MATERIAL NO.		DOCUMENT NO.	SHEET NO.			
		ANGULAR ± 3 °		SEE TABLE		SD-33000-001		1 OF 5			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
		REV									

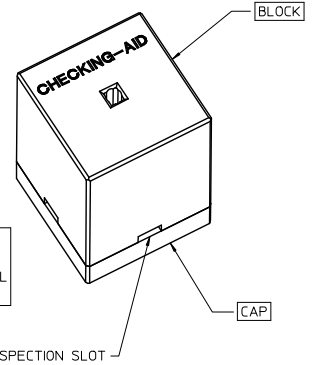
FAMILY	GENDER	SEALING	PLATING	PART NUMBER	PAYOFF DIRECTION	GRIP CODE	WIRE SIZES*	A ±0.30	B ±0.30	C ±0.30	D ±0.30	SPECIAL CHARACTERISTICS
MX150	BLADE	MAT SEAL UNSEALED	Sn	33000-0001	RIGHT (B)	14	14AWG	3.9	3.8	1.7	1.6	HIGH PERFORMANCE Sn
				33000-1001	LEFT (D)		1.50-2.00mm²					
				33000-0002	RIGHT (B)	18	20/18/16AWG	3.3	3.1	1.3	1.4	
				33000-1002	LEFT (D)		0.75-1.00mm²					
				33000-0003	RIGHT (B)	22	22AWG	2.5	2.6	0.9	1.0	
				33000-1003	LEFT (D)							
			33000-0004	RIGHT (B)	M3	0.35-0.50mm²	2.5	2.7	0.9	1.54 ±0.1		
			33000-1004	LEFT (D)								
			Au	33011-1002	RIGHT (B)	14	14AWG	3.9	3.8	1.7	1.6	HIGH PERFORMANCE Au
				33011-0002	LEFT (D)		1.50-2.00mm²					
				33011-1004	RIGHT (B)	18	20/18/16AWG	3.3	3.1	1.3	1.4	
				33011-0004	LEFT (D)		0.75-1.00mm²					
				33011-1006	RIGHT (B)	22	22AWG	2.5	2.6	0.9	1.0	
				33011-0006	LEFT (D)							
				33011-1008	RIGHT (B)	M3	0.35-0.50mm²	2.5	2.7	0.9	1.54 ±0.1	
				33011-0008	LEFT (D)							
			Ag	33011-2003	RIGHT (B)	14	14AWG	3.9	3.8	1.7	1.6	HIGH PERFORMANCE Ag
				33011-3003	LEFT (D)		1.50-2.00mm²					
				33011-2002	RIGHT (B)	18	20/18/16AWG	3.3	3.1	1.3	1.4	
				33011-3002	LEFT (D)		0.75-1.00mm²					
				33011-2001	RIGHT (B)	22	22AWG	2.5	2.6	0.9	1.0	
				33011-3001	LEFT (D)							
				33011-2004	RIGHT (B)	M3	0.35-0.50mm²	2.5	2.7	0.9	1.54 ±0.1	
				33011-3004	LEFT (D)							

* REFERENCE AS-33000-001 FOR SPECIFIC WIRE TYPES

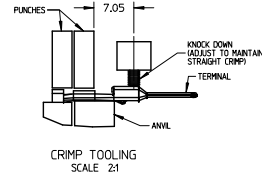
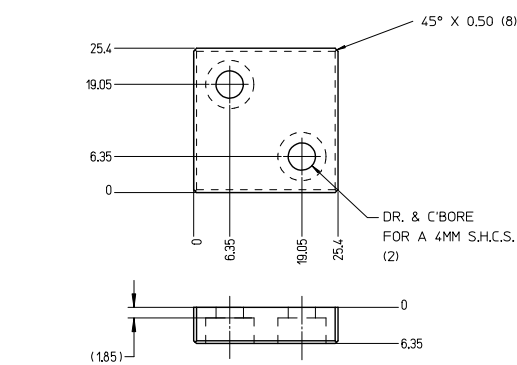
ENTER DESCRIPTION EC NO: UAU2014-0473 DRAWN BY: JENNINGS01 2013/10/07 CHKD: APPROB: MOSER 2014/01/03 REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		mm INCH		DRAWN BY DATE		TITLE			
		4 PLACES ± --- ± ---		L. PULLIAM 2006/01/31		MX150 1.5MM BLADE TERMINAL			
		3 PLACES ± --- ± ---		CHECKED BY DATE					
		2 PLACES ± 0.1 ± ---		A. DHIR 2006/02/01					
1 PLACE ± 0.3 ± ---		APPROVED BY DATE							
ANGULAR ± 3 °		B. MOSER 2006/02/02							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
				SD-33000-001				2 OF 5	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									



CHECKING-AID
2 PIECE ASM. A2 TOOL STEEL
HARDEN & GRIND TO A ROCKWELL
HARDNESS "C" SCALE OF 56-58



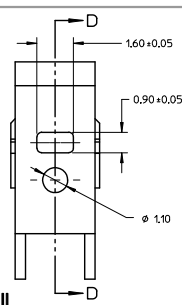
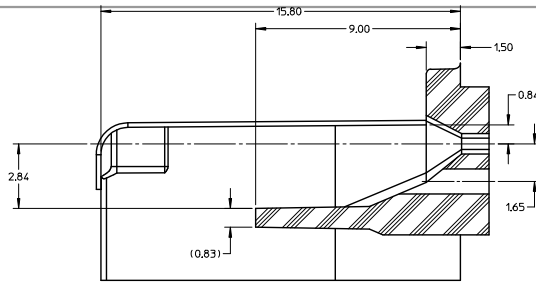
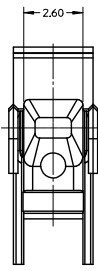
CHECKING AID TOLERANCE
.XXX = .005
.XX = .03
.X = .3



CRIMP REQUIREMENTS:

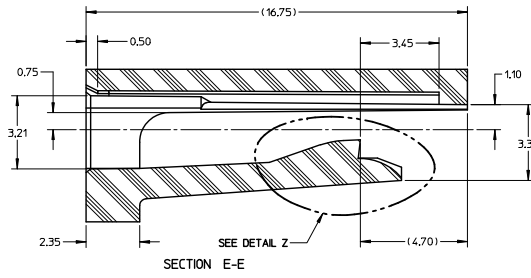
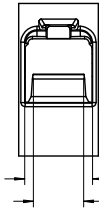
1. CRIMP STRAIGHTNESS MUST BE MAINTAINED. USE A KNOCKDOWN TOOL LOCATED AS SHOWN. TERMINAL BOX MUST NOT BE DEFORMED.
2. AFTER CRIMPING, THE TERMINAL AND WIRE MUST FIT FREELY INTO THE CHECKING AID 33000-700. PROPER INSERTION DEPTH IS MET WHEN BLADE TIP STOPS ON CAP. SLOTS PROVIDED TO VISUALLY INSPECT STOPPAGE OF PIN TIP.
3. FOR OTHER MECHANICAL REQUIREMENTS ON CRIMPED TERMINALS, REFER TO SAE/USCAR-21 (5-13-02) SECTIONS 4.2 (VISUAL INSPECTION), 4.3 (CROSS SECTION ANALYSIS) AND 4.4 (CONDUCTOR CRIMP PULLOUT FORCE).

ENTER DESCRIPTION EC NO: UAU2014-0473 DRAWN BY: JENNINGS01 2013/10/07 CHKD: APPROBUSER 2014/01/03	DESCRIPTION	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 L. PULLIAM	DATE 2006/01/31	TITLE MX150 1.5MM BLADE TERMINAL			
			4 PLACES ± .005	± .005	CHECKED BY A. DHIR	DATE 2006/02/01	MOLEX INCORPORATED			
			3 PLACES ± .01	± .01	APPROVED BY B. MOSER	DATE 2006/02/02				
			2 PLACES ± 0.1	± 0.1	MATERIAL NO.					
			1 PLACE ± 0.3	± 0.3	SEE TABLE		SD-33000-001		SHEET NO. 3 OF 5	
			ANGULAR ± 3 °							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							



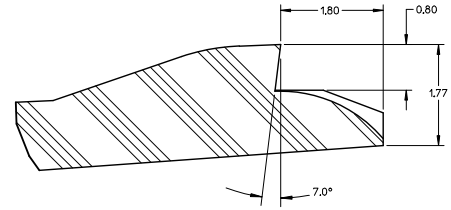
SECTION D-D

TPA/INSERT DETAIL



SECTION E-E

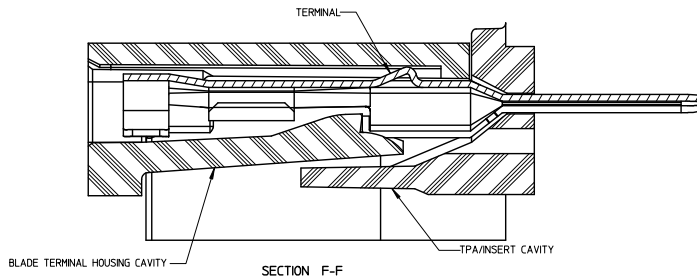
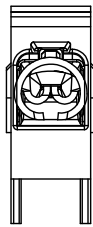
HOUSING DETAIL



DETAIL Z
SCALE 20:1

NOTES: (UNLESS OTHERWISE SPECIFIED)

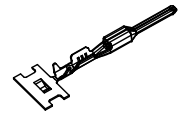
1. TOLERANCES: LINEAR ± 0.10
ANGULAR 3°
2. ALL DRAFT WITHIN TOLERANCE
3. MAX RADI ON ALL CORNERS SHOWN SHARP: 0.10
4. MAX FLASH PERMISSIBLE: 0.1
5. EJECTOR PIN MARKS PERMISSIBLE IF FLUSH TO 0.25 BELOW SURFACE
6. MATERIAL: HOUSING/PINGER SPECIFICATION ENGINEERED FOR MATERIAL WITH THE FOLLOWING PROPERTIES:
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 BLADE TERMINAL PART NUMBERS (EXCEPT PAYS FOR UNSEALED APPLICATIONS) SPECIFIED ELSEWHERE ON THIS DRAWING



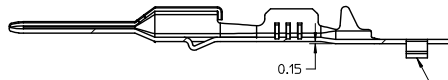
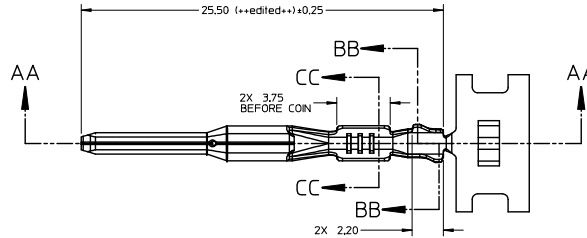
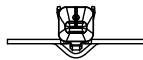
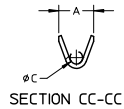
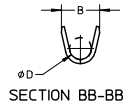
SECTION F-F

BLADE CAVITY ASSEMBLY VIEWS

ENTER DESCRIPTION EC NO: UAU2014-0473 DRAWN BY: JENNINGSOT CHKD: APPR: MOSER REV	DESCRIPTION 2014/01/03	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION																			
		 =0	<table><tr><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES ± 0.1</td><td>± 0.004</td></tr><tr><td>3 PLACES ± 0.1</td><td>± 0.004</td></tr><tr><td>2 PLACES ± 0.1</td><td>± 0.004</td></tr><tr><td>1 PLACE ± 0.3</td><td>± 0.012</td></tr></table>	mm	INCH	4 PLACES ± 0.1	± 0.004	3 PLACES ± 0.1	± 0.004	2 PLACES ± 0.1	± 0.004	1 PLACE ± 0.3	± 0.012	<table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>L. PULLIAM</td><td>2006/01/31</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>A. DHIR</td><td>2006/02/01</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>B. MOSER</td><td>2006/02/02</td></tr></table>	DRAWN BY	DATE	L. PULLIAM	2006/01/31	CHECKED BY	DATE	A. DHIR	2006/02/01	APPROVED BY	DATE	B. MOSER	2006/02/02	TITLE	MX150 1.5MM BLADE TERMINAL
		mm	INCH																									
		4 PLACES ± 0.1	± 0.004																									
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APPROVED BY	DATE																											
B. MOSER	2006/02/02																											
 =0																												
 =0																												
 =0																												



ISO VIEW
SCALE 2:1



SECTION AA-AA

P/N'S 33000-0004/1004
33011-2004/3004

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

ENTER DESCRIPTION EC NO: UAU2014-0473 DRAWN BY: JENNINGS01 2013/10/07 CHKD: APPR: MOSER 2014/01/03	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		▽=0	mm INCH		DRAWN BY DATE		TITLE				
		▽=0	4 PLACES ±0.1 ±---		L. PULLIAM 2006/01/31		MX150 1.5MM BLADE TERMINAL				
		▽=0	3 PLACES ±0.15 ±---		CHECKED BY DATE						
			2 PLACES ±0.2 ±---		A. DHIR 2006/02/01						
			1 PLACE ±0.3 ±---		APPROVED BY DATE						
			ANGULAR ± 3 °		B. MOSER 2006/02/02		MOLEX INCORPORATED				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-33000-001		SHEET NO. 5 OF 5		
					SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				