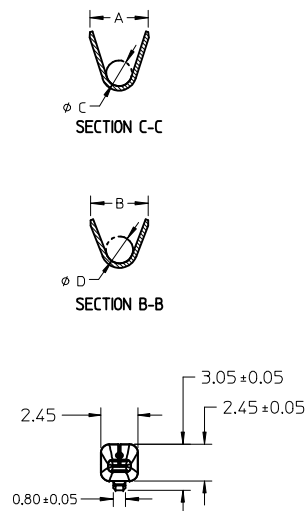
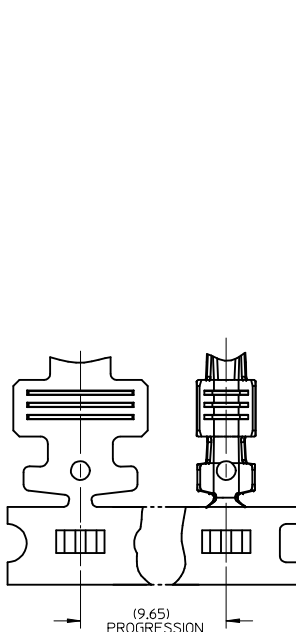
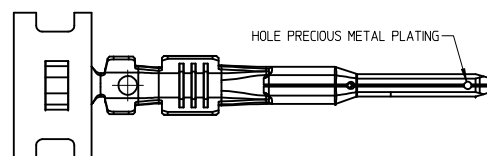
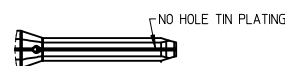


GENERAL NOTES: (UNLESS OTHERWISE SPECIFIED)

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
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 CRIMP PERFORMANCE SPECIFICATION SAE/USCAR-21 (11/2001)
7. MEETS PERFORMANCE STANDARD FOR AUTOMOTIVE ELECTRICAL CONNECTOR SYSTEMS
SAE/USCAR-2 REV 3 (APRIL 2001)
8. MEETS FIELD CORRELATED LIFE TEST SAE/USCAR-20 (11/2001)
9. MEETS WIRING COMPONENT DESIGN GUIDELINES SAE/USCAR-12 REV 2 (12/2001)
10. MEETS ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) REV 11 (5/2002)
11. REFERENCE PK-31300-516 FOR REEL DIRECTION
12. REFERENCE AS-33000-001 FOR CRIMP INFORMATION



PRECIOUS METAL PLATED BLADE



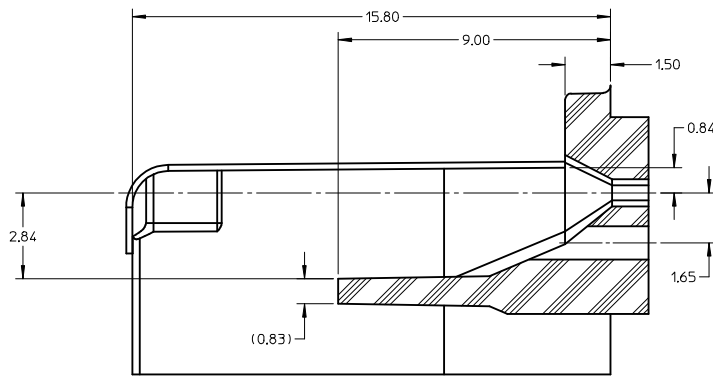
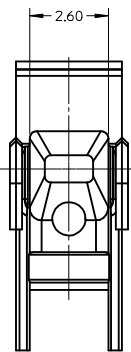
TIN PLATED BLADE

ENTER DESCRIPTION EC NO: UAU2014-0473 DRWN:BJENNINGS01 2013/10/07 CHKD: APPR:BMOSER 2014/01/03		DESCRIPTION	QUALITY SYMBOLS F =0 E =0 F =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	TITLE MX150 15MM BLADE TERMINAL		
				4 PLACES	± ---	± ---	CHECKED BY A.DHIR	DATE 2006/02/01			
				3 PLACES	± ---	± ---	APPROVED BY B.MOSER	DATE 2006/02/02			
				2 PLACES	± 0.1	± ---				MOLEX MOLEX INCORPORATED	
				1 PLACE	± 0.3	± ---					
				ANGULAR ± 3 °							
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-33000-001		SHEET NO. 1 OF 5
		REV				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	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)							
			Au	33000-0004	RIGHT (B)	M3	0.35-0.50mm²	2.5	2.7	0.9	1.54 ±0.1	HIGH PERFORMANCE Au
				33000-1004	LEFT (D)							
				33011-1002	RIGHT (B)	14	14AWG	3.9	3.8	1.7	1.6	
				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)							

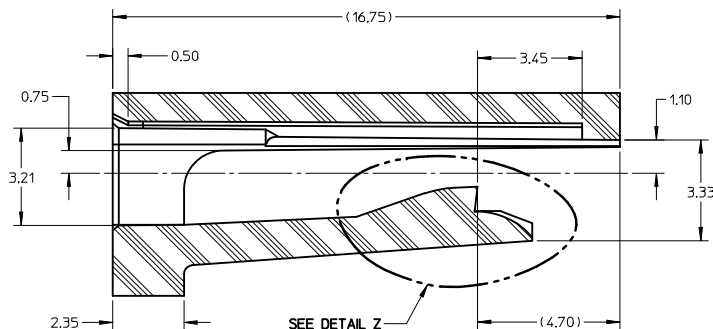
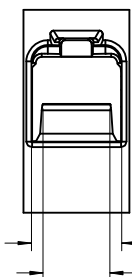
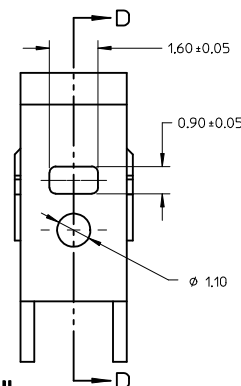
* REFERENCE AS-33000-001 FOR SPECIFIC WIRE TYPES

ENTER DESCRIPTION EC NO: UAU2014-0473 DRWN:B JENNINGS01 2013/10/07 CHKD: APPR:BMOSER 2014/01/03 REV	QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY	DATE	TITLE			
			▽=0	4 PLACES	± ---	± ---	L.PULLIAM	2006/01/31	MX150 15MM BLADE TERMINAL		
			▽=0	3 PLACES	± ---	± ---	CHECKED BY	DATE			
			▽=0	2 PLACES	± 0.1	± ---	A.DHIR	2006/02/01	MOLEX INCORPORATED		
				1 PLACE	± 0.3	± ---	APPROVED BY	DATE			
				ANGULAR ± 3 °		B.MOSER	2006/02/02				
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.			SHEET NO.
						SEE TABLE		SD-33000-001			2 OF 5
						SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



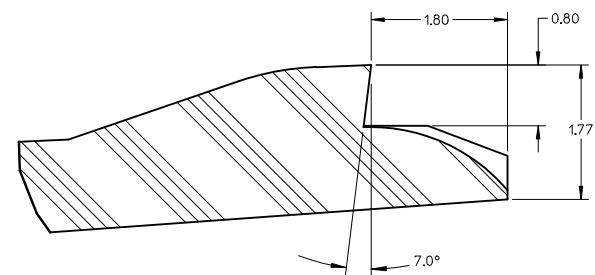
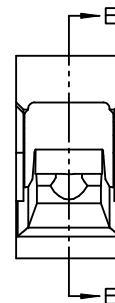
SECTION D-D

TPA/INSERT DETAIL



SECTION E-E

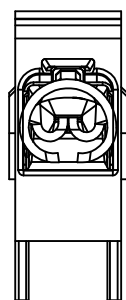
HOUSING DETAIL



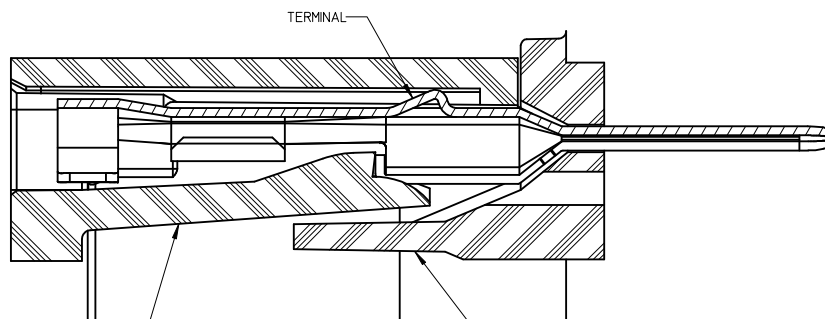
DETAIL Z
SCALE 20:1

NOTES: (UNLESS OTHERWISE SPECIFIED)

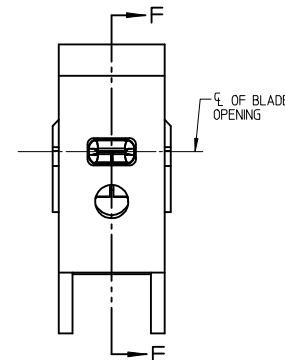
1. TOLERANCES: LINEAR ± 0.10
ANGULAR 3°
2. ALL DRAFT WITHIN TOLERANCE
3. MAX RADI ON ALL CORNERS SHOWN SHARP: 0.10
4. MAX FLASH PERMISSIBLE: 0.1
5. EJECTOR PIN MARKS PERMISSIBLE IF FLUSH TO 0.25 BELOW SURFACE
6. MATERIAL: HOUSING/FINGER SPECIFICATION ENGINEERED FOR MATERIAL WITH THE FOLLOWING PROPERTIES: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



BLADE TERMINAL HOUSING CAVITY



SECTION F-F



BLADE CAVITY ASSEMBLY VIEWS

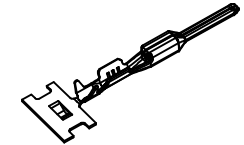
ENTER DESCRIPTION
EC NO: UAU2014-0473
DRAWN BY: JENNINGS01 2013/10/07
CHKD: APPR: BMOSER 2014/01/03
REV

QUALITY SYMBOLS
▽ = 0
▽ = 0
▽ = 0

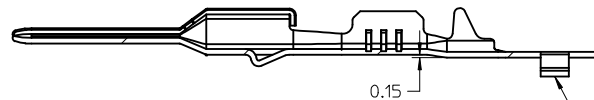
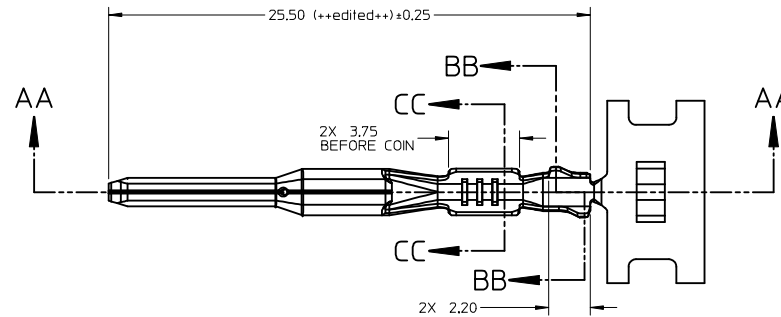
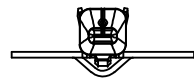
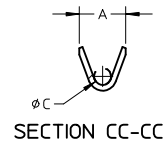
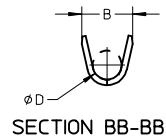
GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES $\pm$ --- $\pm$ ---
3 PLACES $\pm$ --- $\pm$ ---
2 PLACES ± 0.1 $\pm$ ---
1 PLACE ± 0.3 $\pm$ ---
ANGULAR $\pm 3^\circ$
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY: L.PULLIAM DATE: 2006/01/31
CHECKED BY: A.DHIR DATE: 2006/02/01
APPROVED BY: B.MOSER DATE: 2006/02/02
MATERIAL NO. SEE TABLE
SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION
TITLE
MX150 15MM BLADE TERMINAL
MOLEX INCORPORATED
DOCUMENT NO. SD-33000-001
SHEET NO. 4 OF 5



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 DRWN:BJENNINGS01 2013/10/07 CHKD: APPR:BMOSER 2014/01/03 REV	DESCRIPTION	QUALITY SYMBOLS F=0 E=0 F=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY L.PULLIAM	DATE 2006/01/31	TITLE MX150 15MM BLADE TERMINAL				
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± ---	A.DHIR	2006/02/01	MOLEX INCORPORATED				
			2 PLACES	± 0.1	± ---	APPROVED BY	DATE					
			1 PLACE	± 0.3	± ---	B.MOSER	2006/02/02	MATERIAL NO. DOCUMENT NO. SHEET NO. SD-33000-001 5 OF 5				
			ANGULAR ± 3 °									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							