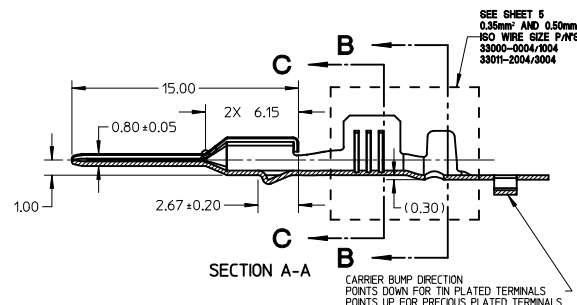
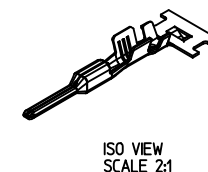
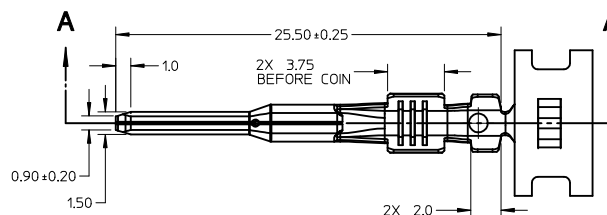
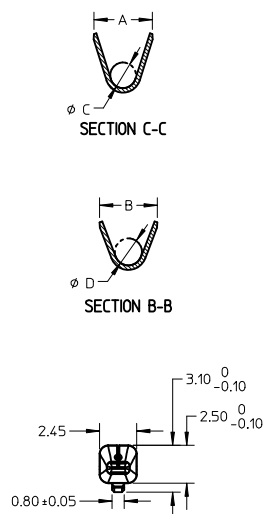
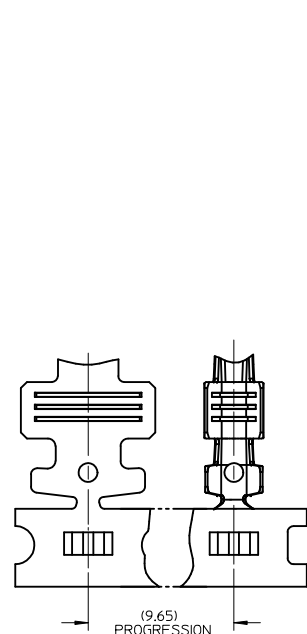
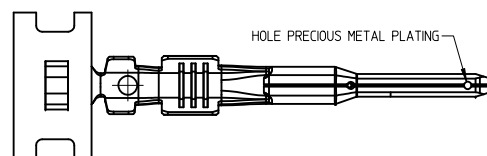


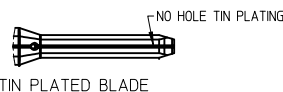


GENERAL NOTES: (UNLESS OTHERWISE SPECIFIED)

- MATING TERMINAL SHOWN ON SD-33012-002
- MATERIAL: ASTM B422, UNS C19025, HR04
THICKNESS: 0.30 mm ±0.01
TEMPER: FULL HARD (REF)
TENSILE: 496-572 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 CRIMP PERFORMANCE SPECIFICATION SAE/USCAR-21 (RELEASED: 08/25/01)
- MEETS PERFORMANCE STANDARD FOR AUTOMOTIVE ELECTRICAL CONNECTOR SYSTEMS
SAE/USCAR-2 REV 3 (APRIL 2001)
- MEETS FIELD CORRELATED LIFE TEST SAE/USCAR-20 (NOVEMBER 2001)
- MEETS WIRING COMPONENT DESIGN GUIDELINES SAE/USCAR-12 REV 2 (DECEMBER 2001)
- MEETS ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) REV 11 (5/2002)
- REFERENCE PK-31300-516 FOR REEL DIRECTION
- REFERENCE AS-33000-001 FOR CRIMP INFORMATION

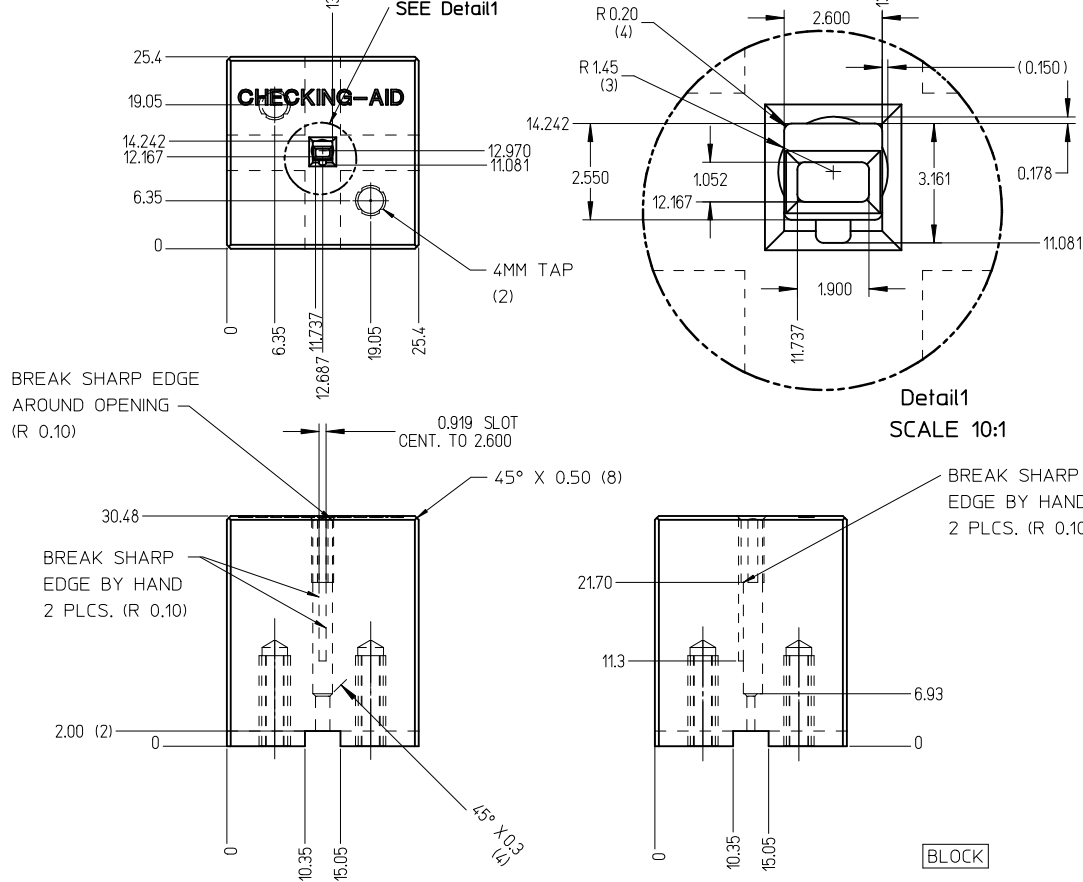


PRECIOUS METAL PLATED BLADE

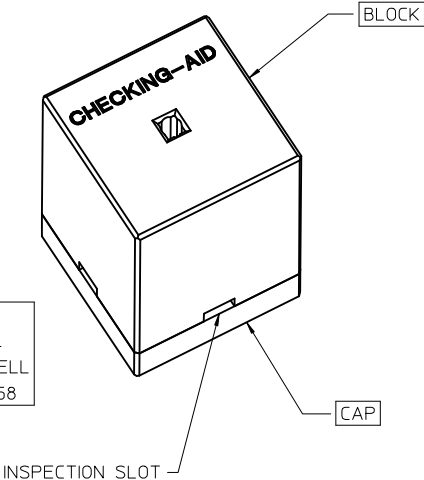


TIN PLATED BLADE

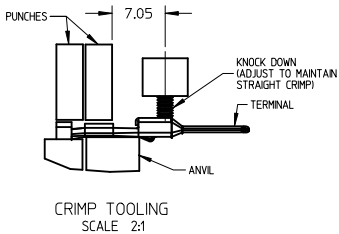
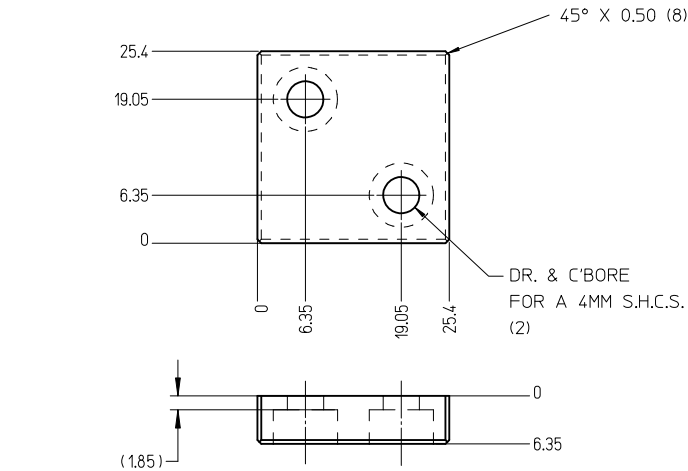
ENTER DESCRIPTION EC NO: UAU2011-1208 DRWN:ADHIR CHKD: APPR:BMOSER C12	DESCRIPTION 2011/06/28 2011/07/06	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 1.5MM BLADE TERMINAL	
				mm	INCH	DRAWN BY L.PULLIAM	DATE 2006/01/31				
			4 PLACES	± ---	± ---	CHECKED BY	DATE				
			3 PLACES	± ---	± ---	A.DHIR	2006/02/01				
			2 PLACES	± 0.1	± ---	APPROVED BY	DATE				
			1 PLACE	± 0.3	± ---	B.MOSER	2006/02/02				
			ANGULAR ± 3 °			MATERIAL NO.	DOCUMENT NO.				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-33000-001			
						SIZE		SHEET NO.			
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		1 OF 5			



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



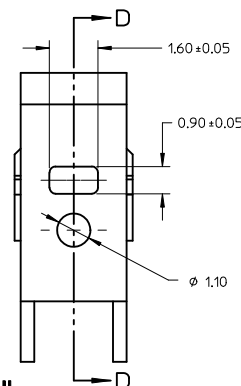
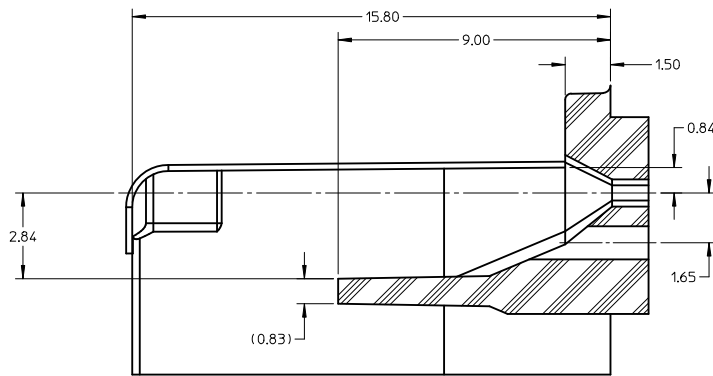
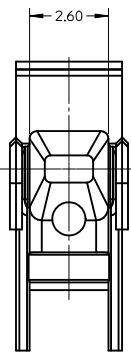
- CRIMP REQUIREMENTS:
1. CRIMP STRAIGHTNESS MUST BE MAINTAINED. USE A KNOCKDOWN TOOL LOCATED AS SHOWN. TERMINAL BOX MUST NOT BE DEFORMED
 2. AFTER CRIMPING, THE TERMINAL AND WIRE MUST FIT FREELY INTO THE CHECKING AID 33000-700. PROPER INSERTION DEPTH IS MET WHEN BLADE TIP STOPS ON CAP. SLOTS PROVIDED TO VISUALLY INSPECT STOPAGE 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	QUALITY SYMBOLS
EC NO: UAU2011-1208	▽=0
DRWN:ADHR 2011/06/28	▽=0
CHKD: 2011/07/06	▽=0
APPR:BMOSER	
REV	

GENERAL TOLERANCES (UNLESS SPECIFIED)
4 PLACES ± .005
3 PLACES ± .003
2 PLACES ± .002
1 PLACE ± .001
ANGULAR ± 3 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

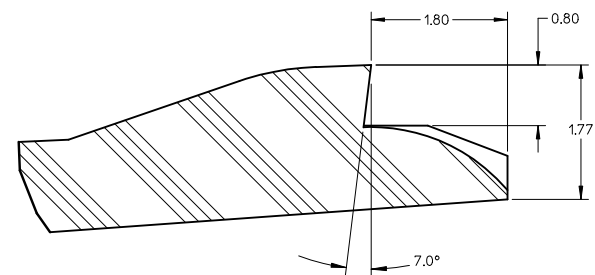
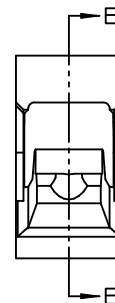
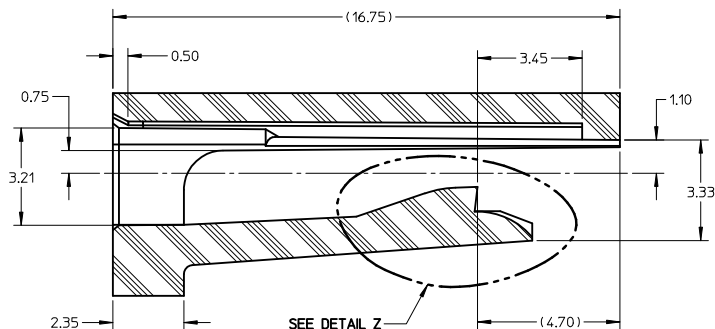
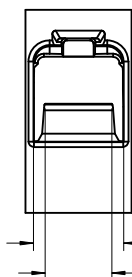
DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY	2:1	METRIC	
DRAWN BY	DATE		
L.PULLIAM	2006/01/31		
CHECKED BY	DATE		
A.DHIR	2006/02/01		
APPROVED BY	DATE		
B.MOSER	2006/02/02		
MATERIAL NO.			
SEE TABLE			
SIZE			
C			

DOCUMENT NO.	SHEET NO.
SD-33000-001	3 OF 5
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	



SECTION D-D

TPA/INSERT DETAIL



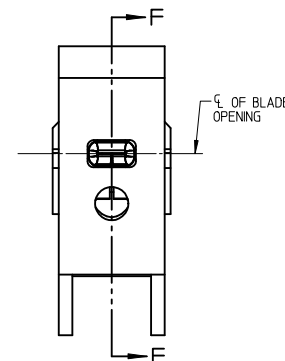
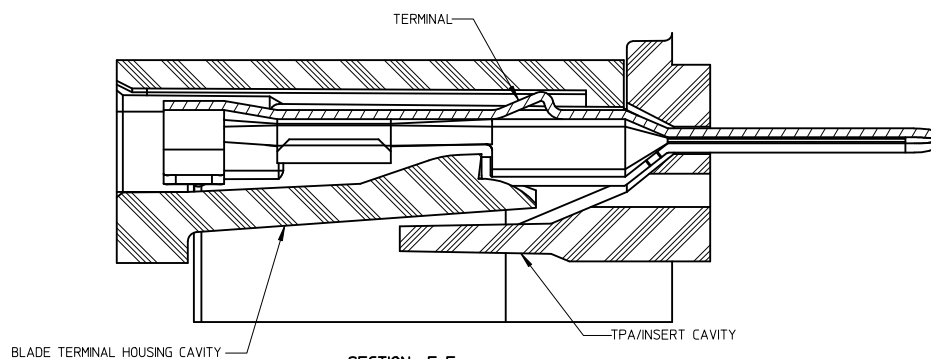
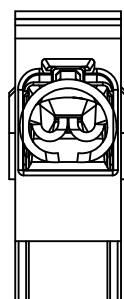
DETAIL Z
SCALE 20:1

SECTION E-E

HOUSING DETAIL

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

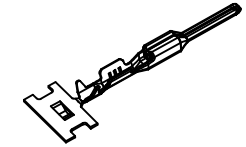
ENTER DESCRIPTION
EC NO: UAU2011-1208
DRAWN: ADHIR
CHKD: BMOSE
APPR: BMOSE
2011/06/28
2011/07/06

QUALITY SYMBOLS
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▽ = 0
▽ = 0

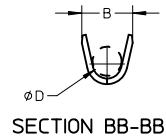
GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± 0.1 ± 0.004
3 PLACES ± 0.1 ± 0.004
2 PLACES ± 0.1 ± 0.004
1 PLACE ± 0.3 ± 0.012
ANGULAR $\pm 3^\circ$
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY DATE
L. PULLIAM 2006/01/31
CHECKED BY DATE
A. DHIR 2006/02/01
APPROVED BY DATE
B. MOSER 2006/02/02
MATERIAL NO.
SEE TABLE
SIZE
C

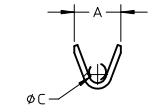
SCALE
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION
TITLE
MX150 15MM BLADE
TERMINAL
MOLEX INCORPORATED
DOCUMENT NO.
SD-33000-001
SHEET NO.
4 OF 5
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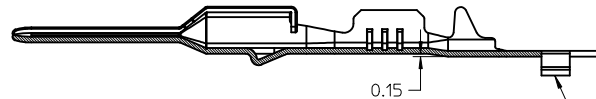
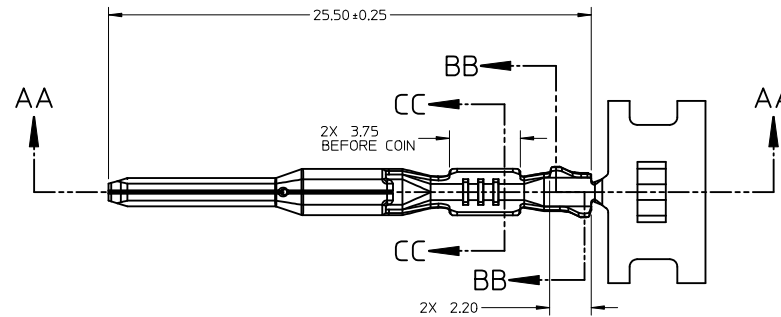
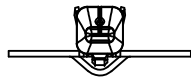
ISO VIEW
SCALE 2:1



SECTION BB-BB



SECTION CC-CC



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: UAU2011-1208 DRWN:ADHIR CHKD: APPR:BMOSER REV: C12	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	TITLE MX150 1.5MM BLADE TERMINAL				
				mm	INCH	DRAWN BY L.PULLIAM	DATE 2006/01/31							
			4 PLACES	±---	±---	CHECKED BY A.DHIR	DATE 2006/02/01							
			3 PLACES	±---	±---	APPROVED BY B.MOSER		DATE 2006/02/02			molex MOLEX INCORPORATED			
			2 PLACES	±0.1	±---									
			1 PLACE	±0.3	±---	DOCUMENT NO. SD-33000-001					SHEET NO. 5 OF 5			
			ANGULAR ± 3 °											
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										