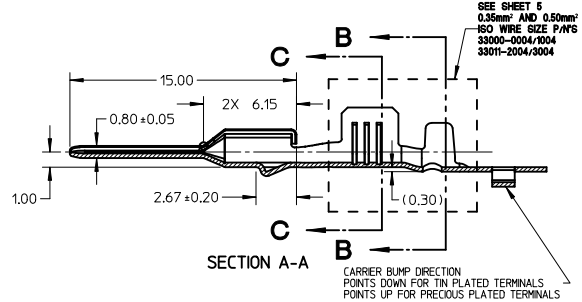
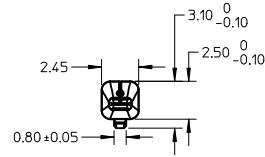
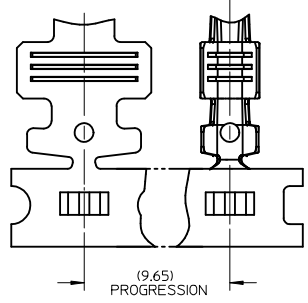


ISO VIEW
SCALE 2:1

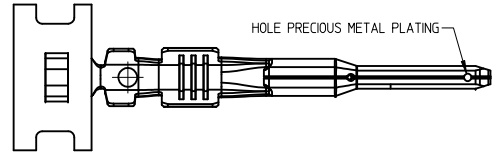


SEE SHEET 5
0.35mm² AND 0.50mm²
ISO WIRE SIZE P/AFS
3300-2004/3004
3301-2004/3004

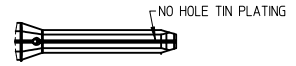
CARRIER BUMP DIRECTION
POINTS DOWN FOR TIN PLATED TERMINALS
POINTS UP FOR PRECIOUS PLATED TERMINALS

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 (RELEASED: 08/25/01)
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 (NOVEMBER 2001)
9. MEETS WIRING COMPONENT DESIGN GUIDELINES SAE/USCAR-12 REV 2 (DECEMBER 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: UAU2011-1208 DRWN:ADHIR 2011/06/28 CHKD: APPR:BMOSER 2011/07/06	DESCRIPTION	QUALITY SYMBOLS
		▽=0
		▽=0
		▽=0

REVISION	DESCRIPTION
C12	

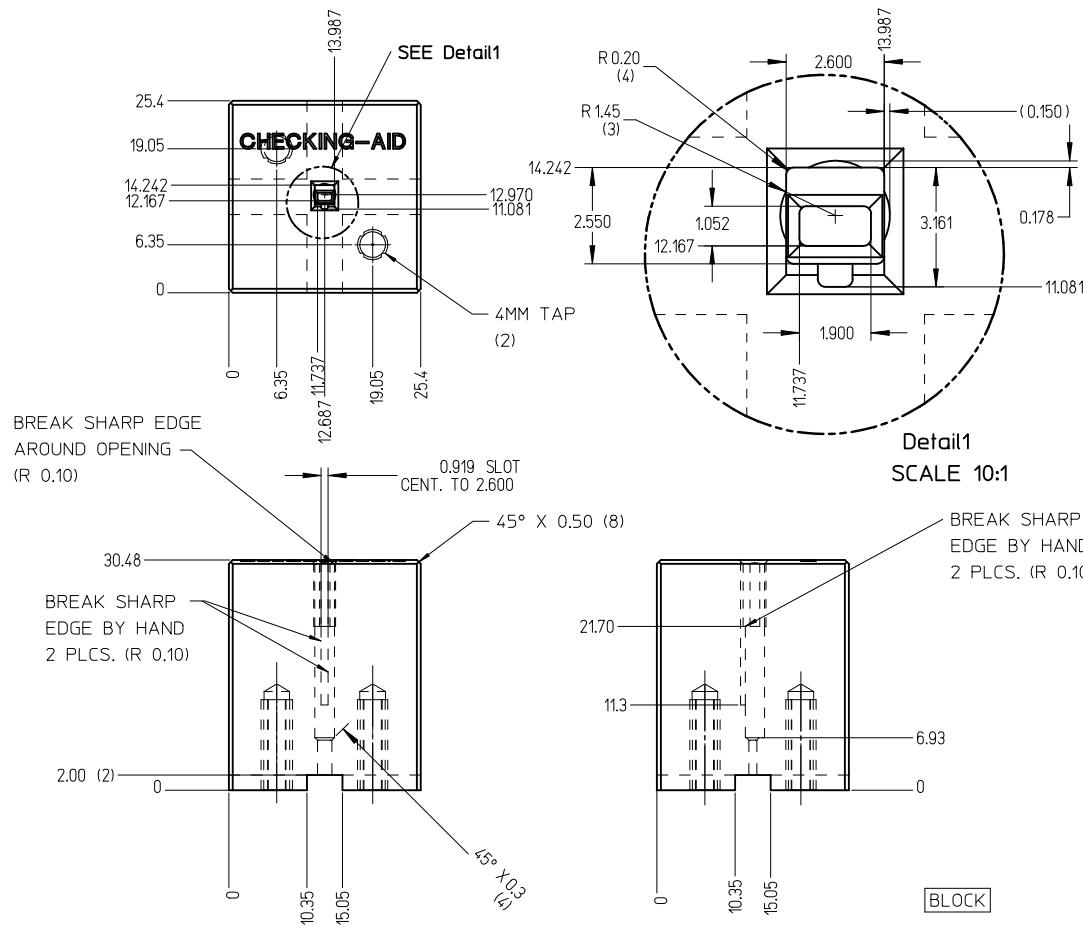
GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± 0.1	± 0.004
3 PLACES ± 0.1	± 0.004
2 PLACES ± 0.1	± 0.004
1 PLACE ± 0.3	± 0.012
ANGULAR ± 3°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

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	

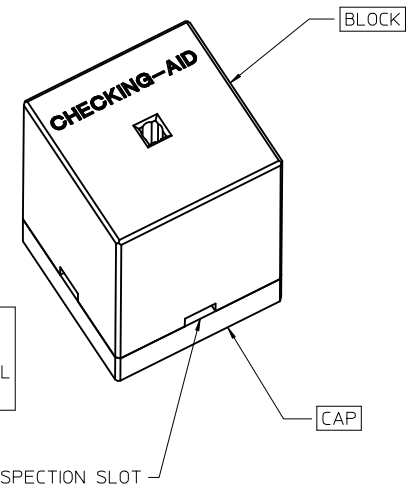
SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
TITLE MX150 15MM BLADE TERMINAL		
MOLEX INCORPORATED		SHEET NO. 1 OF 5
DOCUMENT NO. SD-33000-001		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

TABLE										
SUPPLIER PART NUMBER		PLATING	GRIP CODE	WIRE APPLICATION		A ±0.30	B ±0.30	C ±0.30	D ±0.30	COMMENTS
RIGHT PAYOFF DIRECTION B	LEFT PAYOFF DIRECTION D			SAE (AWG)	METRIC (mm ²)					
33000-0001	33000-1001	TIN	14	14	2.0-1.5	3.9	3.8	1.7	1.6	
33000-0002	33000-1002	TIN	18	16/18/20	1.0-0.75	3.3	3.1	1.3	1.4	
33000-0003	33000-1003	TIN	22	22	0.35-0.50	2.5	2.6	0.9	1.0	
33000-0004	33000-1004	TIN	M3	N/A	0.35-0.50	2.5	2.7	0.9	154±0.1	PREFERRED TERMINAL FOR USE IN SEALED APPLICATION WITH 0.35& 0.50 WIRES (OD 1.2-1.7mm)
33011-1002	33011-0002	GOLD	14	14	2.0-1.5	3.9	3.8	1.7	1.6	
33011-1004	33011-0004	GOLD	18	16/18/20	1.0-0.75	3.3	3.1	1.3	1.4	
33011-1006	33011-0006	GOLD	22	22	0.35-0.50	2.5	2.6	0.9	1.0	
33011-2003	33011-3003	SILVER	14	14	2.0-1.5	3.9	3.8	1.7	1.6	
33011-2002	33011-3002	SILVER	18	16/18/20	1.0-0.75	3.3	3.1	1.3	1.4	
33011-2001	33011-3001	SILVER	22	22	0.35-0.50	2.5	2.6	0.9	1.0	
33011-2004	33011-3004	SILVER	M3	N/A	0.35-0.50	2.5	2.7	0.9	154±0.1	PREFERRED TERMINAL FOR USE IN SEALED APPLICATION WITH 0.35& 0.50 WIRES (OD 1.2-1.7mm) USE IN CLASS 3 (125° C) APPLICATIONS ONLY

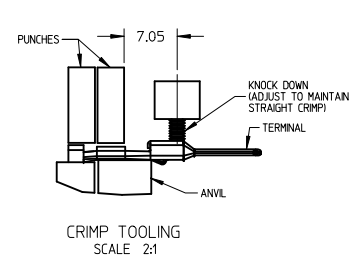
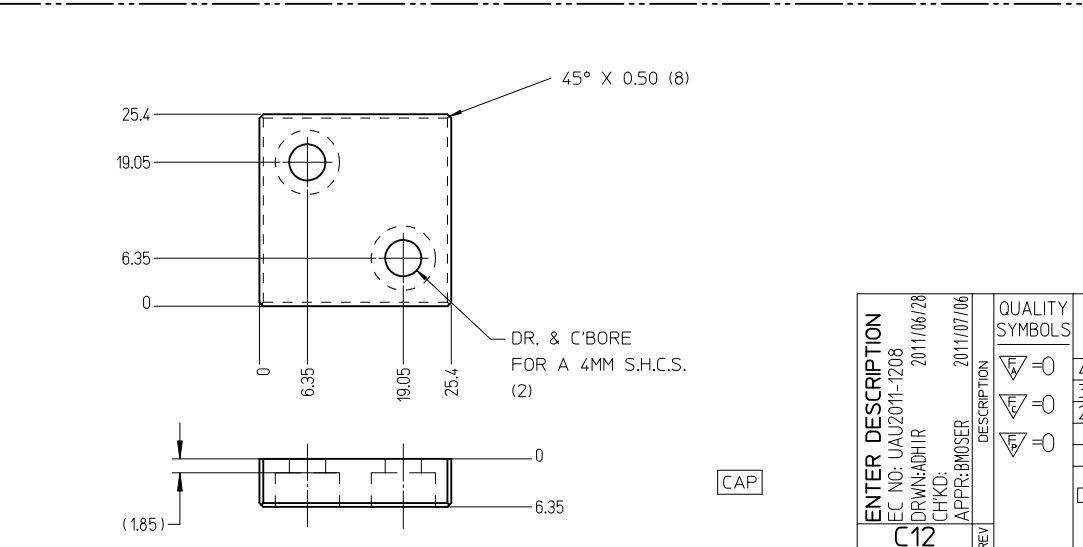
ENTER DESCRIPTION EC NO: UAU2011-1208 2011/06/28 DRWN:ADHIR CHKD: APPR:BMOSER 2011/07/06 REV:	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	TITLE	METRIC	
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	MX150 15MM BLADE TERMINAL		
	▽=0	3 PLACES ± --- ± ---	L.PULLIAM 2006/01/31			
		2 PLACES ± 0.1 ± ---	CHECKED BY DATE	MOLEX INCORPORATED	SD-33000-001	SHEET NO. 2 OF 5
	1 PLACE ± 0.3 ± ---	A.DHIR 2006/02/01				
	ANGULAR ± 3 °	APPROVED BY DATE	SEE TABLE			
		B.MOSER 2006/02/02	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

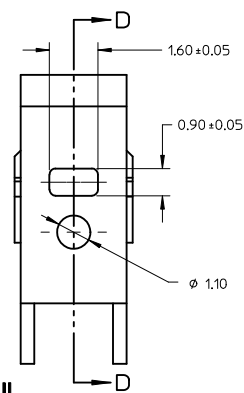
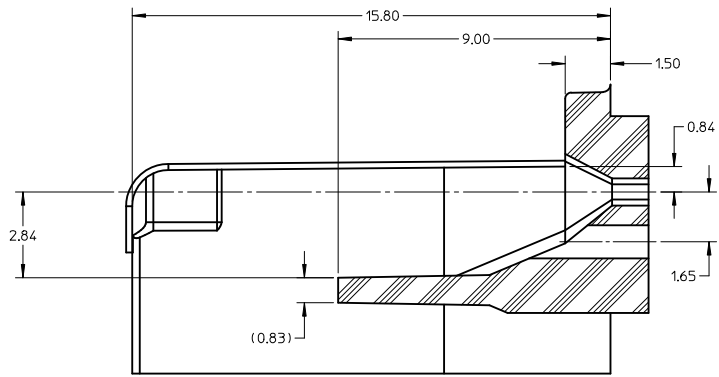
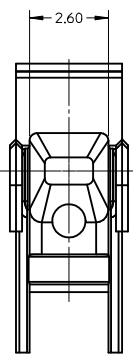


- CRIMP REQUIREMENTS:
1. CRIMP STRAIGHTNESS MUST BE MAINTAINED. USE A KNOCKDOWN TOOL LOCATED AS SHOWN. TERMINAL BOX MUST NOT BE DEFORMED
 2. AFTER CRIMPING, THE TERMINAL AND WIRE MUST FIT FREELY INTO THE CHECKING AID 33000-700. PROPER INSERTION DEPTH IS MET WHEN BLADE TIP STOPS ON CAP. SLOTS PROVIDED 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)

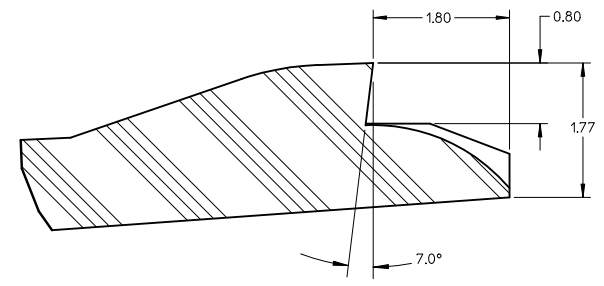
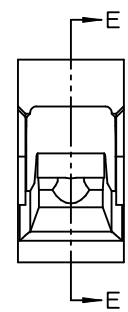
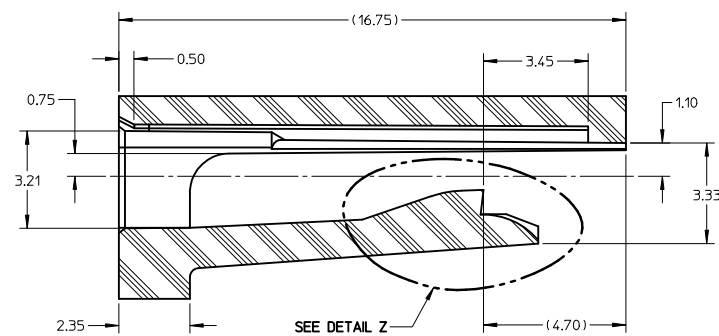
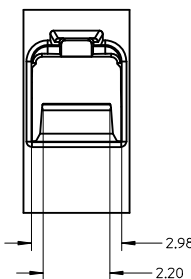
ENTER DESCRIPTION EC NO: UAU2011-1208 DRWN:ADHIR 2011/06/28 CHKD: APPR:BMOSER 2011/07/06	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0
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GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
4 PLACES ± .005	mm	DRAWN BY L.PULLIAM	DATE 2006/01/31	TITLE MX150 1.5MM BLADE TERMINAL
3 PLACES ± .005	INCH	CHECKED BY A.DHIR	DATE 2006/02/01	MATERIAL NO. SEE TABLE
2 PLACES ± 0.1		APPROVED BY B.MOSER	DATE 2006/02/02	DOCUMENT NO. SD-33000-001
1 PLACE ± 0.3				SHEET NO. 3 OF 5
ANGULAR ± 3°				

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
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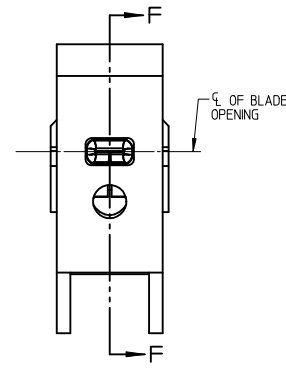
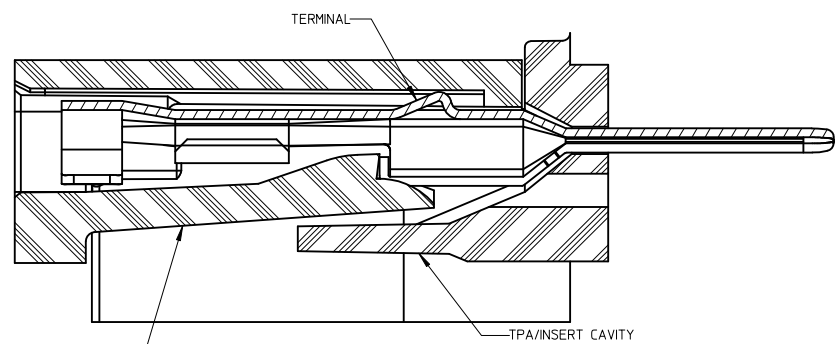
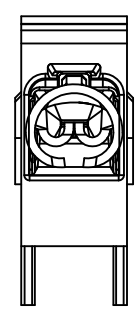
SECTION D-D TPA/INSERT DETAIL



DETAIL Z SCALE 20:1

HOUSING DETAIL

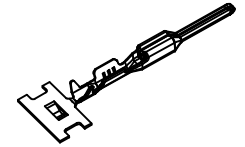
- NOTES: (UNLESS OTHERWISE SPECIFIED)
- TOLERANCES: LINEAR ± 0.10
ANGULAR 3°
 - ALL DRAFT WITHIN TOLERANCE
 - MAX RADI ON ALL CORNERS SHOWN SHARP: 0.10
 - MAX FLASH PERMISSIBLE: 0.1
 - EJECTOR PIN MARKS PERMISSIBLE IF FLUSH TO 0.25 BELOW SURFACE
 - MATERIAL: HOUSING/FINGER SPECIFICATION ENGINEERED FOR 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
 - CAVITY SPEC FOR USE ONLY WITH MOLEX BLADE TERMINAL PART NUMBERS (EXCEPT P/N'S FOR UNSEALED APPLICATIONS) SPECIFIED ELSEWHERE ON THIS DRAWING



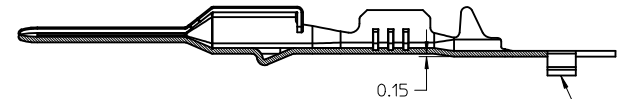
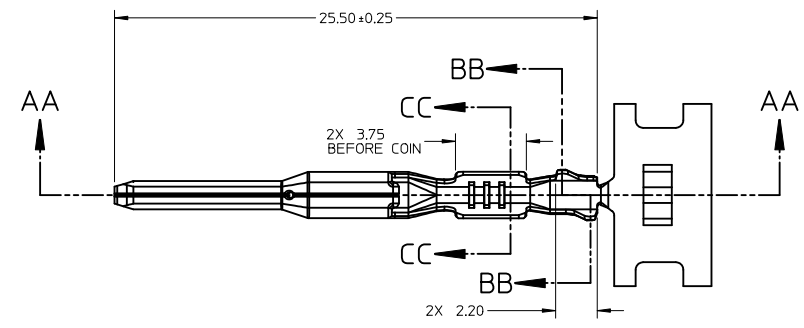
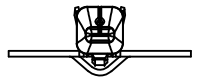
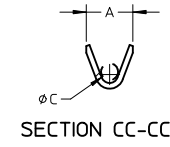
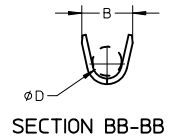
BLADE TERMINAL HOUSING CAVITY SECTION F-F

BLADE CAVITY ASSEMBLY VIEWS

ENTER DESCRIPTION EC NO: UAU2011-1208 DRAWN:ADHIR 2011/06/28 CHKD: APPR:BMOSER 2011/07/06 C12	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	METRIC		
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE		
	▽=0	3 PLACES ± --- ± ---	L.PULLIAM 2006/01/31	MX150 15MM BLADE TERMINAL		
	2 PLACES ± 0.1 ± ---	CHECKED BY DATE				
	1 PLACE ± 0.3 ± ---	A.DHIR 2006/02/01				
	ANGULAR ± 3°	APPROVED BY DATE				
		B.MOSER 2006/02/02				
		MATERIAL NO.	SEE TABLE	DOCUMENT NO.	SD-33000-001	SHEET NO. 4 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		



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 IEC NO: UAU2011-1208 DRWN:ADHIR 2011/06/28 CHKD: APPR:BMOSER 2011/07/06 REV:	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	5:1	METRIC	☉
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE		
	▽=0	3 PLACES ± --- ± ---	L.PULLIAM 2006/01/31	MX150 15MM BLADE TERMINAL		
	2 PLACES ± 0.1 ± ---	CHECKED BY DATE	MOLEX INCORPORATED			
	1 PLACE ± 0.3 ± ---	A.DHIR 2006/02/01	SD-33000-001			
	ANGULAR ± 3 °	APPROVED BY DATE	SHEET NO.			
		B.MOSER 2006/02/02	5 OF 5			
		MATERIAL NO.	DOCUMENT NO.			
		SEE TABLE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			