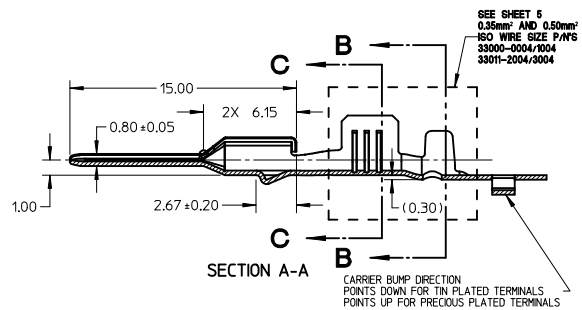
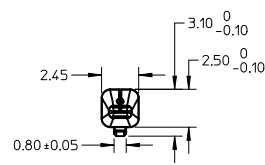
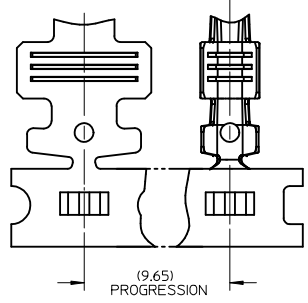


ISO VIEW  
SCALE 2:1

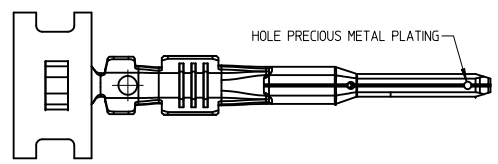


SEE SHEET 5  
0.35mm<sup>2</sup> AND 0.50mm<sup>2</sup>  
ISO WIRE SIZE P/AFS  
3300-2004/3004  
3301-2004/3004

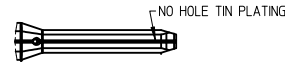
CARRIER BUMP DIRECTION  
POINTS DOWN FOR TIN PLATED TERMINALS  
POINTS UP FOR PRECIOUS PLATED TERMINALS

GENERAL NOTES: (UNLESS OTHERWISE SPECIFIED)

- 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



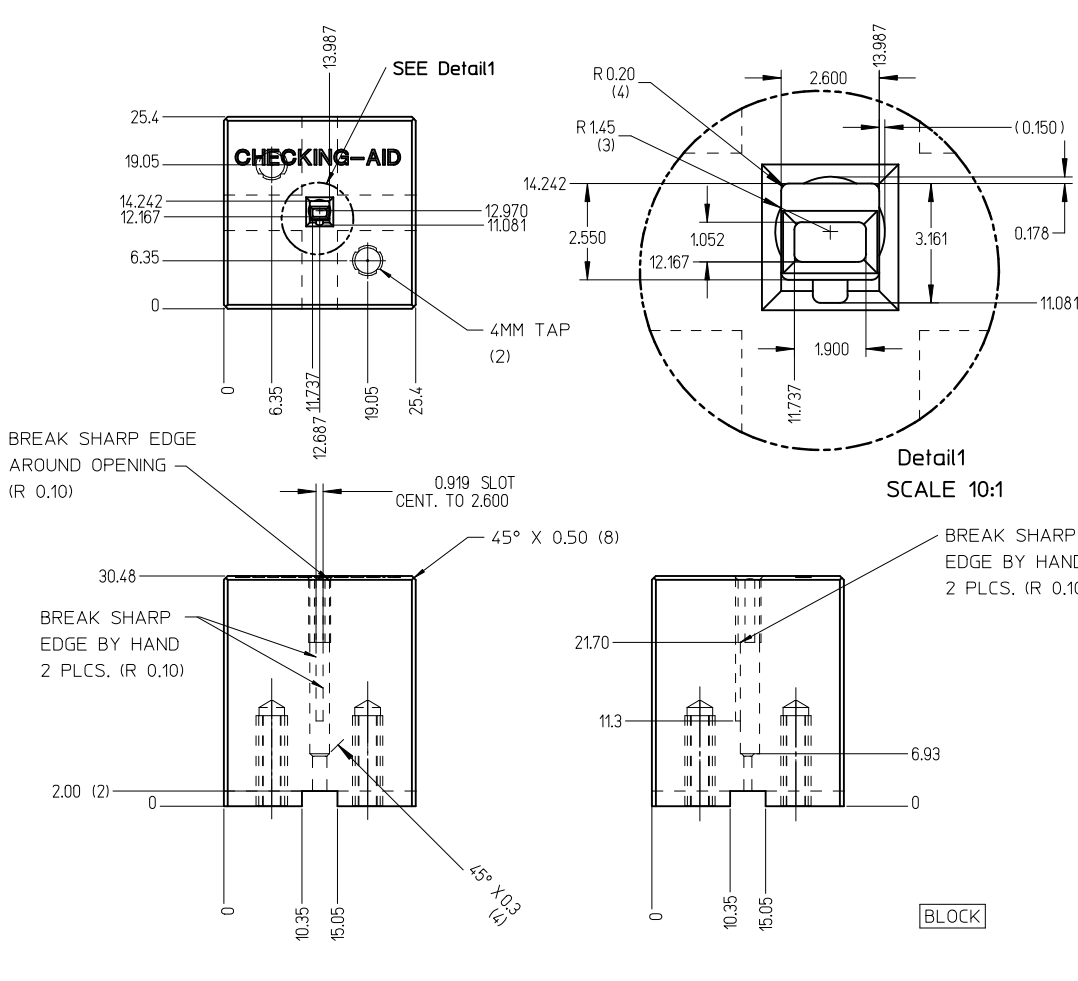
PRECIOUS METAL PLATED BLADE



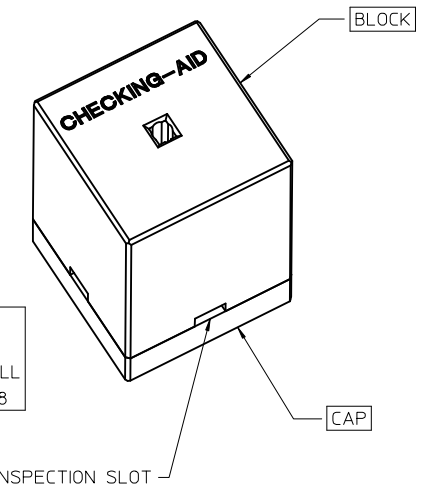
TIN PLATED BLADE

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

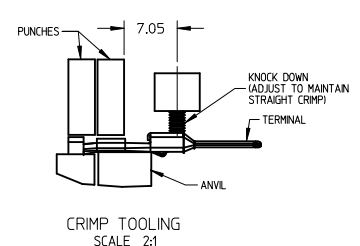
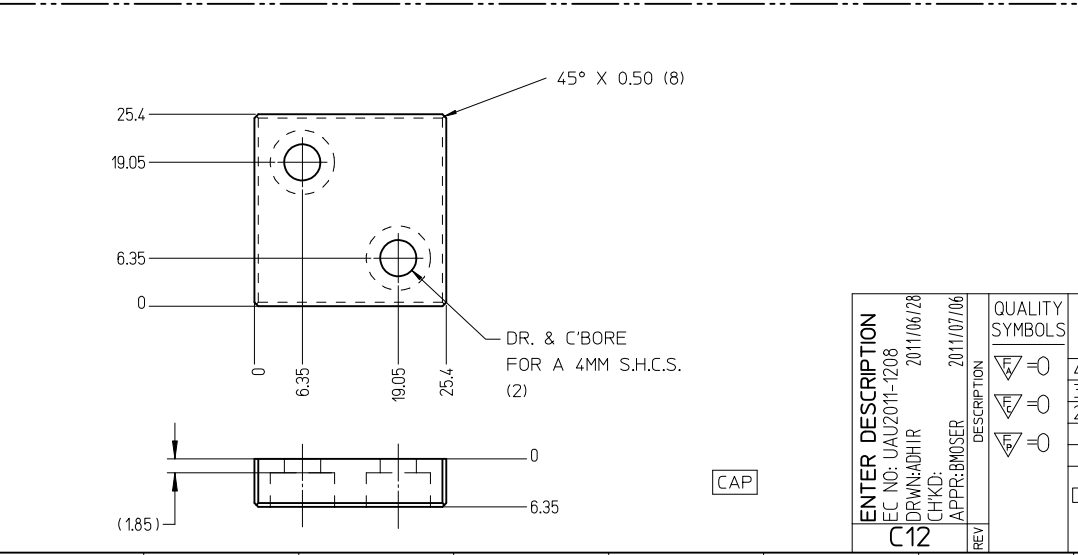




CHECKING-AID  
 2 PIECE ASM. A2 TOOL STEEL  
 HARDEN & GRIND TO A ROCKWELL  
 HARDNESS "C" SCALE OF 56-58



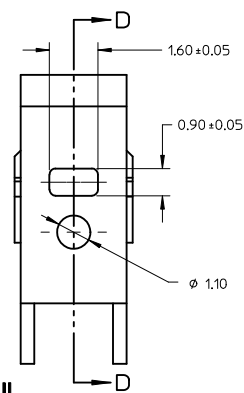
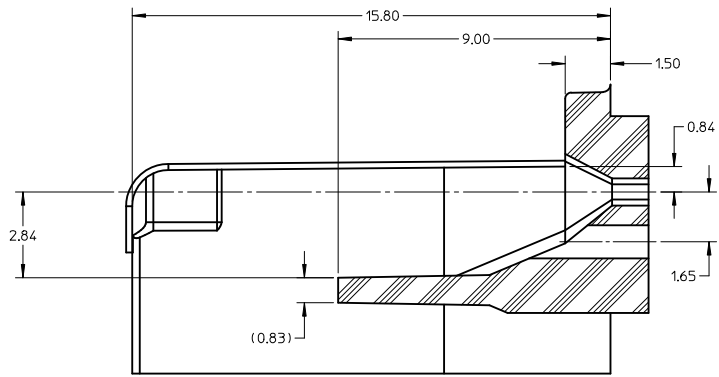
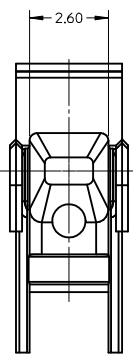
CHECKING AID TOLERANCE  
 .XXX = .005  
 .XX = .03  
 .X = .3



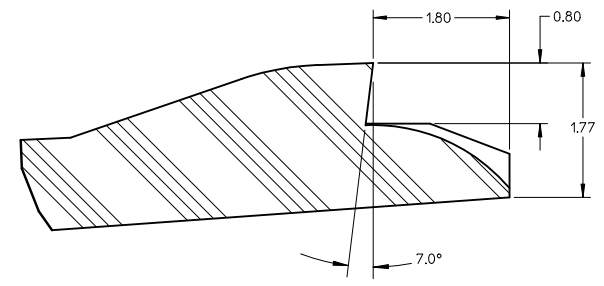
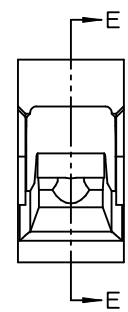
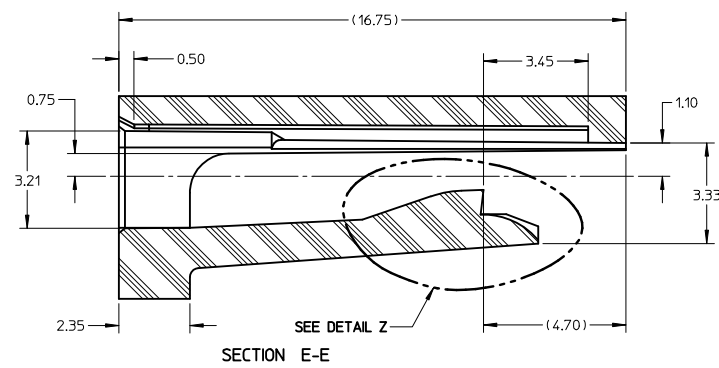
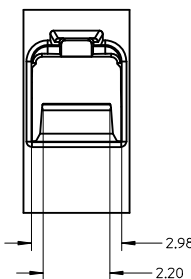
- CRIMP REQUIREMENTS:
1. CRIMP STRAIGHTNESS MUST BE MAINTAINED. USE A KNOCKDOWN TOOL LOCATED AS SHOWN. TERMINAL BOX MUST NOT BE DEFORMED
  2. AFTER CRIMPING, THE TERMINAL AND WIRE MUST FIT FREELY INTO THE CHECKING AID 33000-700. PROPER INSERTION DEPTH IS MET WHEN BLADE TIP STOPS ON CAP. SLOTS PROVIDED 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 ± .005	DRAWN BY DATE L.PULLIAM 2006/01/31	TITLE MX150 1.5MM BLADE TERMINAL	MOLEX INCORPORATED	
3 PLACES ± .005 ± .005	CHECKED BY DATE A.DHIR 2006/02/01	SD-33000-001		
2 PLACES ± 0.1 ± .005	APPROVED BY DATE B.MOSER 2006/02/02	SHEET NO. 3 OF 5		
1 PLACE ± 0.3 ± .005	MATERIAL NO. SEE TABLE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				



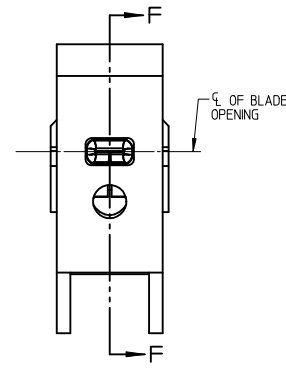
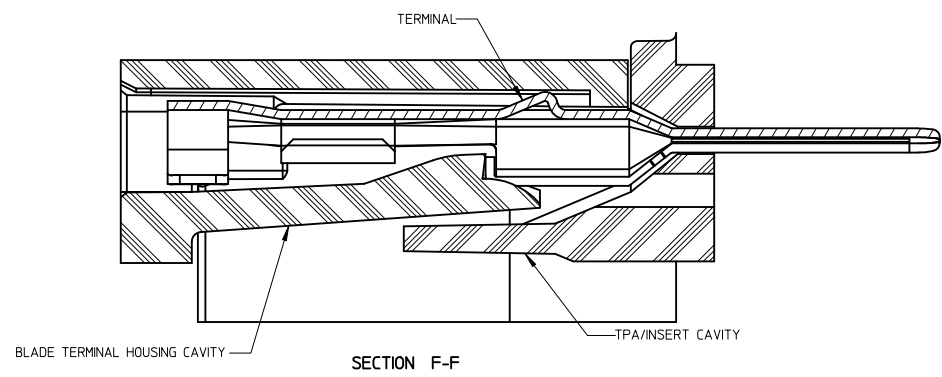
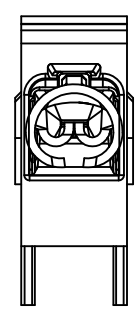
SECTION D-D TPA/INSERT DETAIL



DETAIL Z SCALE 20:1

HOUSING DETAIL

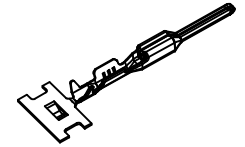
- NOTES: (UNLESS OTHERWISE SPECIFIED)
- TOLERANCES: LINEAR  $\pm 0.10$   
ANGULAR  $3^\circ$
  - ALL DRAFT WITHIN TOLERANCE
  - MAX RADI ON ALL CORNERS SHOWN SHARP: 0.10
  - MAX FLASH PERMISSIBLE: 0.1
  - EJECTOR PIN MARKS PERMISSIBLE IF FLUSH TO 0.25 BELOW SURFACE
  - MATERIAL: HOUSING/FINGER SPECIFICATION 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



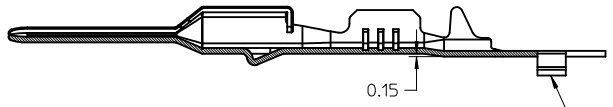
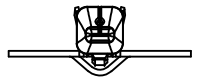
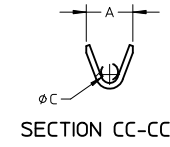
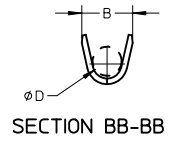
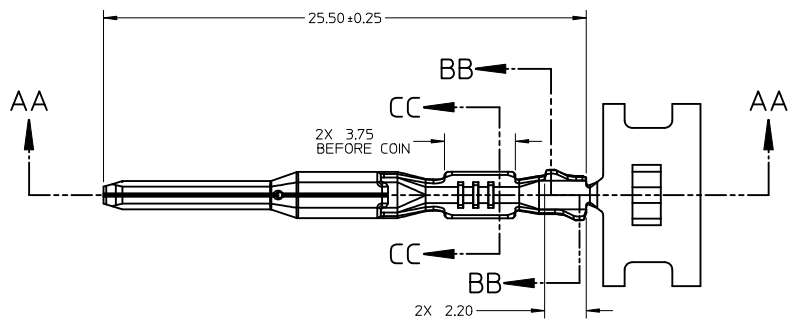
BLADE TERMINAL HOUSING CAVITY SECTION F-F

BLADE CAVITY ASSEMBLY VIEWS

<b>ENTER DESCRIPTION</b> EC NO: UAU2011-1208 DRAWN:ADHIR 2011/06/28 CHKD: APPR:BMOSER 2011/07/06 C12	<b>QUALITY SYMBOLS</b> 	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> MM ONLY	<b>SCALE</b> METRIC	<b>DESIGN UNITS</b> METRIC	<b>THIRD ANGLE PROJECTION</b>		
		4 PLACES $\pm 0.1$ mm 3 PLACES $\pm 0.15$ mm 2 PLACES $\pm 0.2$ mm 1 PLACE $\pm 0.3$ mm	4 PLACES $\pm 0.004$ INCH 3 PLACES $\pm 0.005$ INCH 2 PLACES $\pm 0.007$ INCH 1 PLACE $\pm 0.010$ INCH	DRAWN BY L.PULLIAM 2006/01/31	DATE 2006/01/31	TITLE MX150 15MM BLADE TERMINAL	SHEET NO. 4 OF 5	DOCUMENT NO. SD-33000-001	MOLERX MOLEX INCORPORATED
		ANGULAR $\pm 3^\circ$		CHECKED BY A.DHIR 2006/02/01	DATE 2006/02/01	APPROVED BY B.MOSER 2006/02/02	DATE 2006/02/02	MATERIAL NO. SEE TABLE	SIZE C
		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					



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			