

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0330001003](#)
Status: **Active**
Overview: [mx150_sealed_connector_system](#)
Description: MX150™ Male Terminal, Tin (Sn) Plating, 22 AWG, Left Reel Payoff, Contact Material Thickness 0.30mm (.012")



Series

image - Reference only

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	Crimp Terminals
Series	33000
Comments	Left Reel Payoff
Crimp Quality Equipment	Yes
Overview	mx150_sealed_connector_system
Product Name	MX150™

Physical	
Gender	Male
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Packaging Type	Reel
Plating min: Mating (µin)	20
Plating min: Mating (µm)	0.5
Plating min: Termination (µin)	20
Plating min: Termination (µm)	0.5
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	2.60mm (.102") max.
Wire Size AWG	22
Wire Size mm²	0.35, 0.50

Electrical	
Current - Maximum per Contact	22A
Voltage - Maximum	250V

Material Info

Reference - Drawing Numbers	
Sales Drawing	SD-33000-001

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Halogen-Free

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

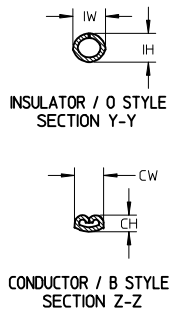
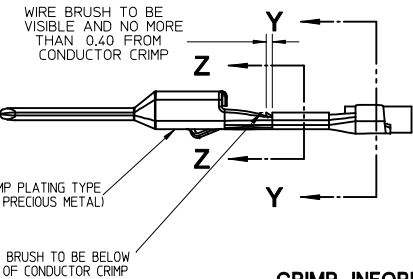
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[33000Series](#)

Use With
[33482](#) Dual Row Housing, [33481](#) Single Row Housing, [33486](#) Hybrid Housing

Application Tooling FAQ	
<i>Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.</i>	
Global	
Description	Product #
Hand Crimp Tool, 18-22AWG	0638112600
FineAdjust™ Applicator	0639000600

13 12 11 10 9 8 7 6 5 4 3 2 1



PLATING NOTES:

1. PRECIOUS METAL PLATED TERMINAL:

1.1 GOLD PLATING:

ZONE A: SHALL BE COMPLETELY COVERED WITH NICKEL TO PREVENT EXPOSED BASE METAL
REDUCED GOLD THICKNESS FROM ZONE B PERMITTED

ZONE B: PRECIOUS METAL PLATING PER MOLEX PLATING SPECIFICATION ES-88

BASE LAYER: ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL
THICKNESS: 1.25 - 2.25 MICROMETERS

GOLD LAYER: ELECTRODEPOSITED GOLD
THICKNESS: 0.76 MICROMETERS MINIMUM

ZONE C: SHALL BE COMPLETELY COVERED WITH NICKEL TO PREVENT EXPOSED BASE METAL
REDUCED PLATING THICKNESS FROM ZONE B AND ZONE D PERMITTED

ZONE D: TIN PLATING PER MOLEX PLATING SPECIFICATION ES-88

BASE LAYER: ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL
THICKNESS: 1.25 - 2.25 MICROMETERS

TIN LAYER: ELECTRODEPOSITED 100% TIN, MATTE FINISH
THICKNESS: 2.5 - 4.0 MICROMETERS

ZONE E: SHALL BE COMPLETELY COVERED WITH NICKEL TO PREVENT EXPOSED BASE METAL
REDUCED THICKNESS FROM ZONE D PERMITTED

1.2 SILVER PLATING:

ZONE A: SHALL BE COMPLETELY COVERED WITH NICKEL TO PREVENT EXPOSED BASE METAL
REDUCED SILVER THICKNESS FROM ZONE B PERMITTED

ZONE B: SILVER PLATING

BASE LAYER: ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL
THICKNESS: 1.25 - 2.25 MICROMETERS

SILVER LAYER: ELECTRODEPOSITED PURE SILVER (0.5% MAX IMPURITIES)
THICKNESS: 19 - 3.3 MICROMETERS
FINISH: SEMI BRIGHT

ANTI-TARNISH: TREATMENT FOR SILVER PLATED TERMINAL - EVABRITE WS

ZONE C: SHALL BE COMPLETELY COVERED WITH NICKEL TO PREVENT EXPOSED BASE METAL
REDUCED PLATING THICKNESS FROM ZONE B AND ZONE D PERMITTED

ZONE D: TIN PLATING PER MOLEX PLATING SPECIFICATION ES-88

BASE LAYER: ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL
THICKNESS 1.25 - 2.25 MICROMETERS

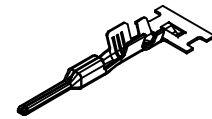
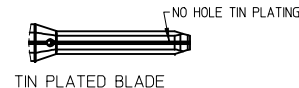
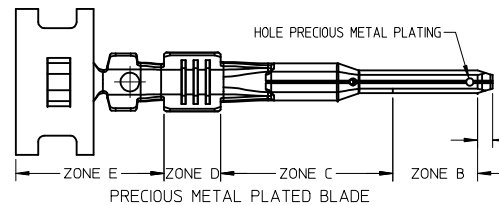
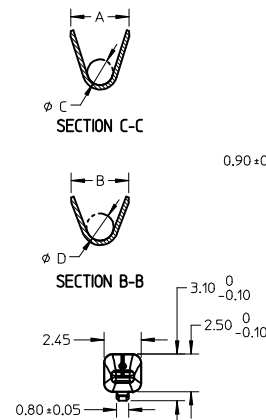
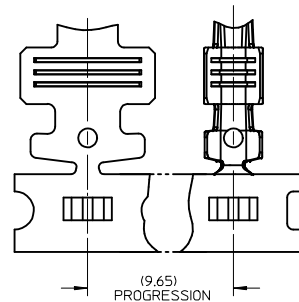
TIN LAYER: ELECTRODEPOSITED 100% TIN, MATTE FINISH
THICKNESS 2.5 - 4.0 MICROMETERS

ZONE E: SHALL BE COMPLETELY COVERED WITH NICKEL TO PREVENT EXPOSED BASE METAL
REDUCED THICKNESS FROM ZONE D PERMITTED

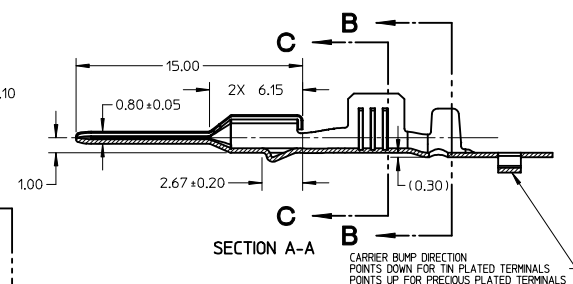
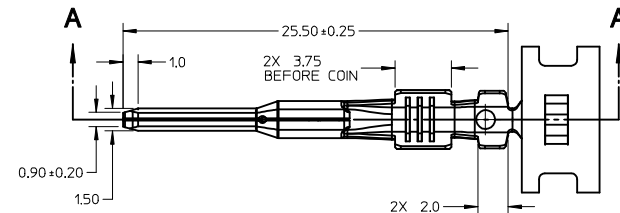
2. TIN PLATED TERMINAL (ENTIRE TERMINAL)

BASE LAYER: ELECTRODEPOSITED ADVANCED TIN BARRIER
THICKNESS 0.25 - 1.00 MICROMETERS

TIN LAYER: ELECTRODEPOSITED REFLOW TIN, 100% TIN, NO BRIGHTENERS
THICKNESS 0.50 - 1.00 MICROMETERS



ISO VIEW
SCALE 2:1



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
PLATING: SEE PLATING NOTES
- 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 CS-33000-001 FOR ADDITIONAL CRIMP INFORMATION

ENTER DESCRIPTION EC NO: UAU2010-0107 DRAWN: KFERGUSON CHKD: A.DHIR APPR: B.MOSER REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.1 ± --- 1 PLACE ± 0.3 ± --- ANGULAR ± 3 °	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	SCALE 4:1 TITLE MX150 15MM BLADE TERMINAL	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	MOLEX INCORPORATED DOCUMENT NO. SD-33000-001	SHEET NO. 1 OF 5

J

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H

G

F

E

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C

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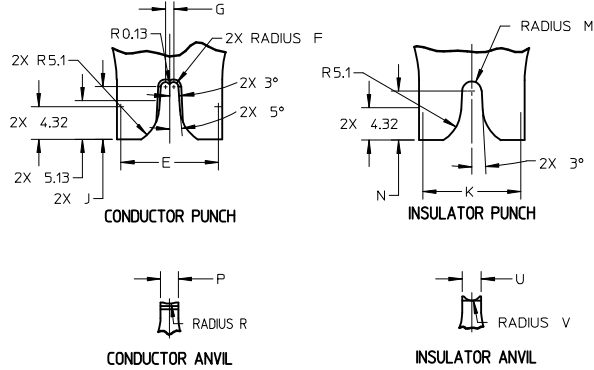
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TABLE 2 - TERMINAL GRIP/CRIMP TOOL DIM. REFERENCE TABLE																						
SUPPLIER B DIRECTION RIGHT PAYOFF	PART NO. D DIRECTION LEFT PAYOFF	FORD PART NO.	PLATING (STAMPING)	WIRE APPLICATION			A +0.30	B +0.30	C +0.30	D +0.30	E +0.005	F +0.005	G +0.005	J +0.005	K +0.005	M +0.005	N +0.005	P +0.005	R +0.005	U +0.005	V +0.005	
				SAE (awg)	WIRE SPECIFICATION	METRIC (mm²)																WIRE SPECIFICATION
33000-0001	33000-1001	ZLJT-14421-DA	TIN	14	MIL-123A/MIL-135A1	2.0, 15	MIL-126A1 JASO D 611	3.9	3.8	1.7	1.6	12.82	0.60	1.19	7.05	13.12	1.35	6.91	2.44	6.11	2.72	1.40
33000-0002	33000-1002	ZLJT-14421-CA	TIN	16	MIL-123A	-		3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.96	1.28	6.51	2.14	1.93	2.52	1.30
				18	MIL-123A	10, 0.75	MIL-126A1	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.65	1.13	6.46	2.14	1.93	2.23	1.15
				20	SAE J1128 (GXL)	-		3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.96	1.28	6.51	2.14	1.93	2.52	1.30
					SAE J1128 (GXL)	-		3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.42	1.03	6.36	2.14	1.93	2.04	1.05
33000-0003	33000-1003	ZLJT-14421-BA	TIN	22	MIL-123A	0.5	MIL-126A1 JASO D 611	2.5	2.6	0.9	1.0	11.97	0.42	0.72	6.57	12.24	0.93	6.31	1.60	1.44	1.84	0.95
33000-0003*	33000-1003*	ZLJT-14421-BA*	TIN	-	-	0.35	WSK-1A348-A2	2.5	2.6	0.9	1.0	11.97	0.42	0.72	6.57	12.24	0.93	6.31	1.60	1.44	1.84	0.95
33000-0024*	33000-1024*	4L2T-14421-AA*	TIN	-	-	0.35 + 0.35	MIL-126A1	T80	T80	T80	T80	T80	T80	T80	T80	T80	T80	T80	T80	T80	T80	T80
33000-0024*	33000-1024*	4L2T-14421-AA*	TIN	-	-	0.35 + 0.50	MIL-126A1	T80	T80	T80	T80	T80	T80	T80	T80	T80	T80	T80	T80	T80	T80	T80
33011-1002	33011-0002	ZLJT-14421-GA	GOLD	14	MIL-123A/MIL-135A1	2.0, 15	MIL-126A1 JASO D 611	3.9	3.8	1.7	1.6	12.82	0.60	1.19	7.05	13.12	1.35	6.91	2.44	6.11	2.72	1.40
33011-1004	33011-0004	ZLJT-14421-FA	GOLD	16	MIL-123A	-		3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.96	1.28	6.51	2.14	1.93	2.52	1.30
				18	MIL-123A	10, 0.75	MIL-126A1	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.65	1.13	6.46	2.14	1.93	2.23	1.15
				20	SAE J1128 (GXL)	-		3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.96	1.28	6.51	2.14	1.93	2.52	1.30
					MIL-123A	-		3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.42	1.03	6.36	2.14	1.93	2.04	1.05
33011-1006	33011-0006	ZLJT-14421-EA	GOLD	22	MIL-123A	0.5	MIL-126A1 JASO D 611	2.5	2.6	0.9	1.0	11.97	0.42	0.72	6.57	12.24	0.93	6.31	1.60	1.44	1.84	0.95
33011-1006*	33011-0006*	ZLJT-14421-EA*	GOLD	-	-	0.35	WSK-1A348-A2	2.5	2.6	0.9	1.0	11.97	0.42	0.72	6.57	12.24	0.93	6.31	1.60	1.44	1.84	0.95
33011-2003	33011-3003	7U5T-14421-CA	SILVER	14	MIL-123A/MIL-135A1	2.0, 15	MIL-126A1 JASO D 611	3.9	3.8	1.7	1.6	12.82	0.60	1.19	7.05	13.12	1.35	6.91	2.44	6.11	2.72	1.40
33011-2002	33011-3002	7U5T-14421-BA	SILVER	16	MIL-123A	-		3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.96	1.28	6.51	2.14	1.93	2.52	1.30
				18	MIL-123A	10, 0.75	MIL-126A1	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.65	1.13	6.46	2.14	1.93	2.23	1.15
				20	SAE J1128 (GXL)	-		3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.96	1.28	6.51	2.14	1.93	2.52	1.30
					MIL-123A	-		3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.42	1.03	6.36	2.14	1.93	2.04	1.05
33011-2001	33011-3001	7U5T-14421-AA	SILVER	22	MIL-123A	0.5	MIL-126A1 JASO D 611	2.5	2.6	0.9	1.0	11.97	0.42	0.72	6.57	12.24	0.93	6.31	1.60	1.44	1.84	0.95
33011-2001*	33011-3001*	7U5T-14421-AA*	SILVER	-	-	0.35	WSK-1A348-A2	2.5	2.6	0.9	1.0	11.97	0.42	0.72	6.57	12.24	0.93	6.31	1.60	1.44	1.84	0.95

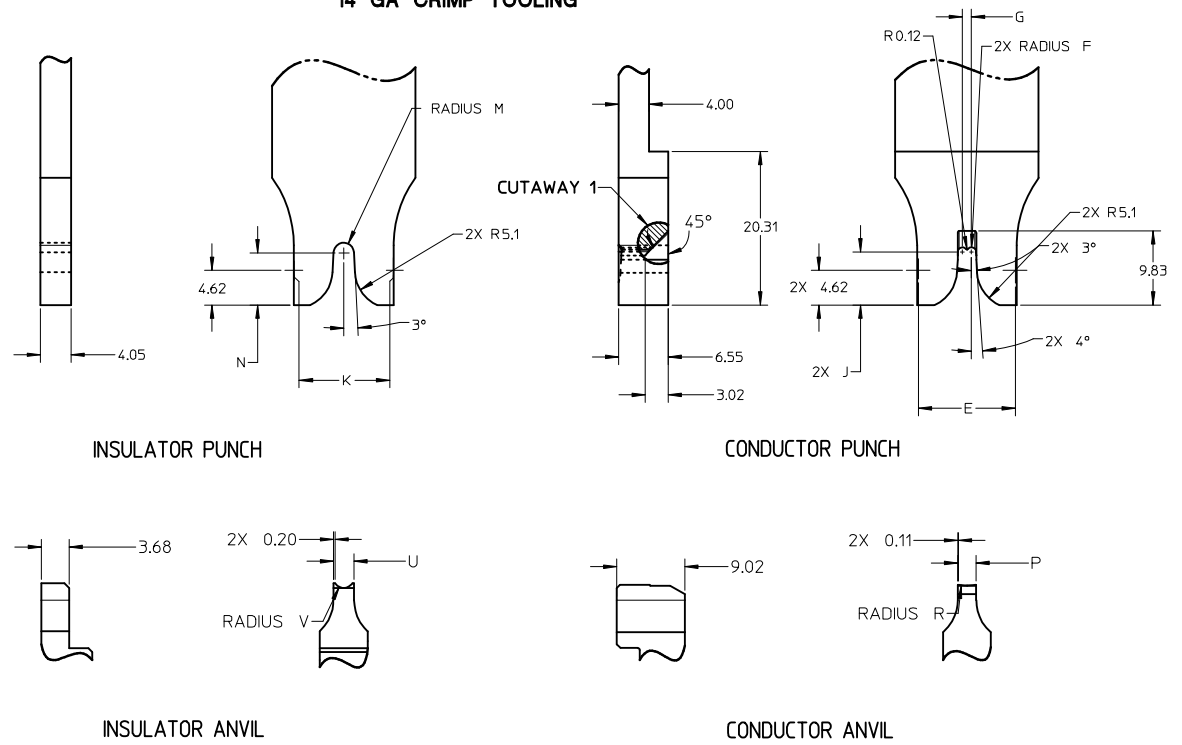
* UNSEALED APPLICATIONS ONLY

TABLE 1 - TERMINAL CRIMP DIMENSIONS REFERENCE TABLE											
SUPPLIER PART NO.	DIRECTION RIGHT PAYOFF	DIRECTION LEFT PAYOFF	FORD PART NO.	PLATING	WIRE SIZE	WIRE SPECIFICATION	CONDUCTOR CH SECT Z-Z +0.05 mm	CONDUCTOR CW SECT Z-Z +0.10 mm	INSULATOR IH SECT Y-Y +0.10 mm	INSULATOR IW SECT Y-Y +0.10 mm	WIRE PULL FORCE (N)
33000-0001	33000-1001	ZL1T-14421-DA	TIN	14 awg		MIL-123A	1.65	2.45	2.85	2.75	339
						MIL-135A1	1.65	2.45	2.80	2.80	339
					16 awg	MIL-123A	1.35	2.15	2.20	2.60	215
33000-0002	33000-1002	ZL1T-14421-CA	TIN	18 awg		MIL-123A	1.25	2.15	2.30	2.60	157
						SAE J1128 (IGXL)	1.25	2.15	2.00	2.30	158
					20 awg	MIL-123A	1.15	2.15	1.90	2.10	113
					SAE J1128 (IGXL)	1.15	2.15	2.00	2.30	105	
33000-0003	33000-1003	ZL1T-14421-BA	TIN	22 awg	MIL-123A	1.00	1.60	1.85	1.90	62	
33000-0001	33000-1001	ZL1T-14421-DA	TIN	2.0 mm ²	JASO D 611 (AVSSI)	1.60	2.45	2.85	2.75	233	
33000-0002	33000-1002	ZL1T-14421-CA	TIN	15 mm ²		MIL-126A1	1.40	2.25	2.65	2.80	177
						MIL-126A1	1.30	2.15	2.00	2.30	162
					10 mm ²	MIL-126A1	1.25	2.15	1.95	2.30	145
33000-0003	33000-1003	ZL1T-14421-BA	TIN	0.75 mm ²		MIL-126A1	1.25	2.15	1.95	2.30	145
						MIL-126A1	1.10	1.60	1.80	1.90	82
					0.5 mm ²	JASO D 611 (AVSSI)	1.10	1.60	1.85	1.90	100
33000-0003*	33000-1003*	ZL1T-14421-BA*	TIN	0.35 mm ²	WSK-1A348-A2	0.95	1.60	1.70	1.90	50	
33000-0024*	33000-1024*	4L2T-14421-AA*	TIN	0.35 + 0.35	MIL-126A1	T80	T80	T80	T80	T80	
33000-0024*	33000-1024*	4L2T-14421-AA*	TIN	0.35 + 0.50	MIL-126A1	T80	T80	T80	T80	T80	
33011-1002	33011-0002	ZL1T-14421-GA	GOLD	14 awg		MIL-123A	1.65	2.45	2.85	2.75	339
						MIL-135A1	1.65	2.45	2.80	2.80	339
					16 awg	MIL-123A	1.35	2.15	2.20	2.60	215
33011-1004	33011-0004	ZL1T-14421-FA	GOLD	18 awg		MIL-123A	1.25	2.15	2.30	2.60	157
						SAE J1128 (IGXL)	1.25	2.15	2.00	2.30	158
					20 awg	MIL-123A	1.15	2.15	1.90	2.10	113
					SAE J1128 (IGXL)	1.15	2.15	2.00	2.30	105	
33011-1006	33011-0006	ZL1T-14421-EA	GOLD	22 awg	MIL-123A	1.00	1.60	1.85	1.90	62	
33011-1002	33011-0002	ZL1T-14421-GA	GOLD	2.0 mm ²	JASO D 611 (AVSSI)	1.60	2.45	2.85	2.75	233	
33011-1004	33011-0004	ZL1T-14421-FA	GOLD	15 mm ²		MIL-126A1	1.40	2.25	2.65	2.80	177
						MIL-126A1	1.30	2.15	2.00	2.30	162
					0.75 mm ²	MIL-126A1	1.25	2.15	1.95	2.30	145
33011-1006	33011-0006	ZL1T-14421-EA	GOLD	0.5 mm ²		MIL-126A1	1.10	1.60	1.80	1.90	82
						JASO D 611 (AVSSI)	1.10	1.60	1.85	1.90	100
					0.35 mm ²	WSK-1A348-A2	0.95	1.60	1.70	1.90	50
33011-1006*	33011-0006*	ZL1T-14421-EA*	GOLD	0.35 mm ²	MIL-123A	1.65	2.45	2.85	2.75	339	
33011-2003	33011-3003	7U5T-14421-CA	SILVER	14 awg		MIL-135A1	1.65	2.45	2.80	2.80	339
						MIL-123A	1.35	2.15	2.20	2.60	215
						MIL-123A	1.25	2.15	2.00	2.30	157
33011-2002	33011-3002	7U5T-14421-BA	SILVER	18 awg		SAE J1128 (IGXL)	1.25	2.15	2.30	2.60	158
						MIL-123A	1.15	2.15	1.90	2.10	113
					20 awg	SAE J1128 (IGXL)	1.15	2.15	2.00	2.30	105
33011-2001	33011-3001	7U5T-14421-AA	SILVER	22 awg	MIL-123A	1.00	1.60	1.85	1.90	62	
33011-2003	33011-3003	7U5T-14421-CA	SILVER	2.0 mm ²	JASO D 611 (AVSSI)	1.60	2.45	2.85	2.75	233	
33011-2002	33011-3002	7U5T-14421-BA	SILVER	15 mm ²		MIL-126A1	1.40	2.25	2.65	2.80	177
						MIL-126A1	1.30	2.15	2.00	2.30	162
					10 mm ²	MIL-126A1	1.25	2.15	1.95	2.30	145
33011-2001	33011-3001	7U5T-14421-AA	SILVER	0.75 mm ²		MIL-126A1	1.25	2.15	1.95	2.30	145
						MIL-126A1	1.10	1.60	1.80	1.90	82
					0.5 mm ²	JASO D 611 (AVSSI)	1.10	1.60	1.85	1.90	100
33011-2001*	33011-3001*	7U5T-14421-AA*	SILVER	0.35 mm ²	WSK-1A348-A2	0.95	1.60	1.70	1.90	50	

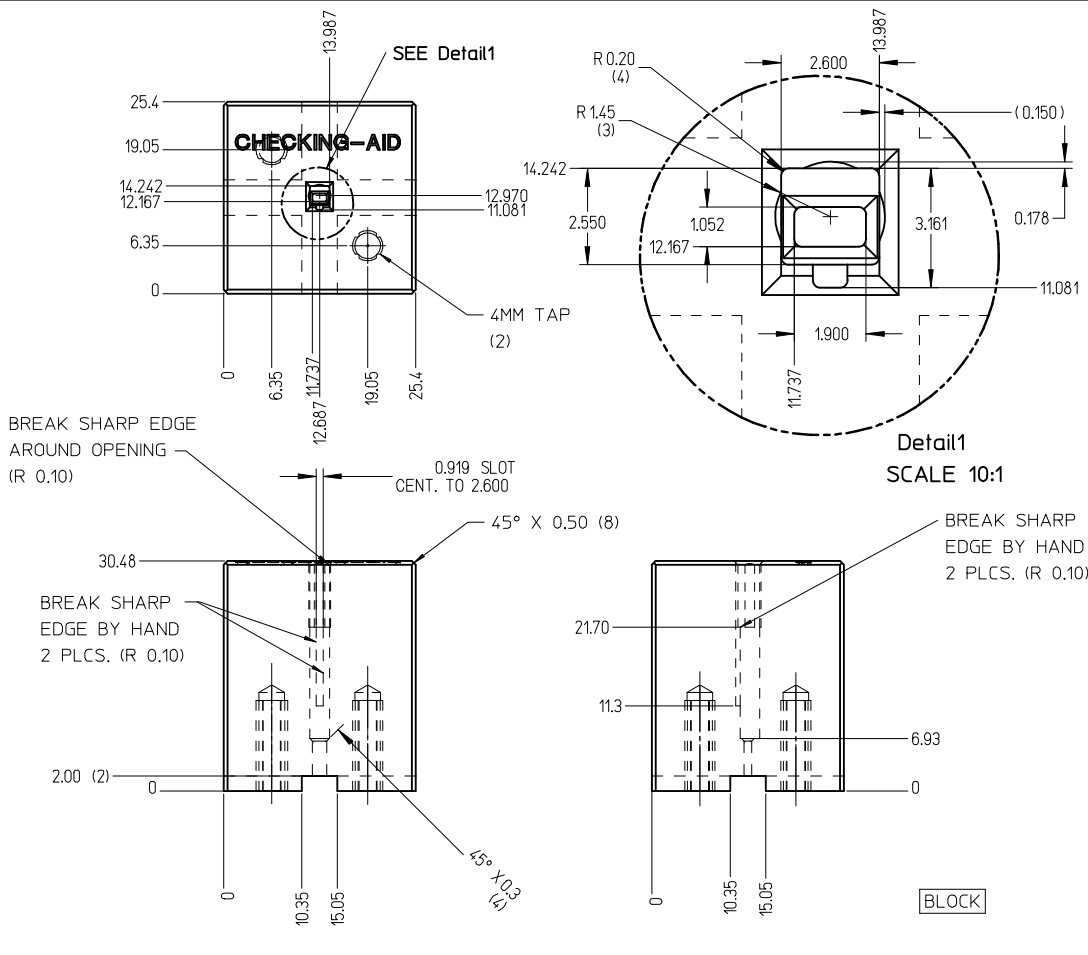
**CRIMP TOOL INFORMATION
EXCEPT 14 GA**



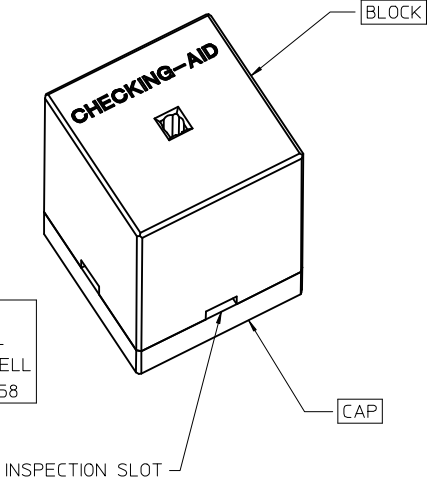
14 GA CRIMP TOOLING



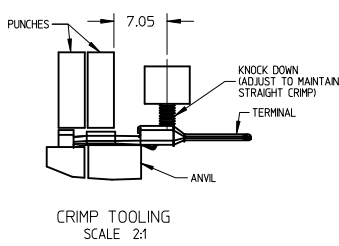
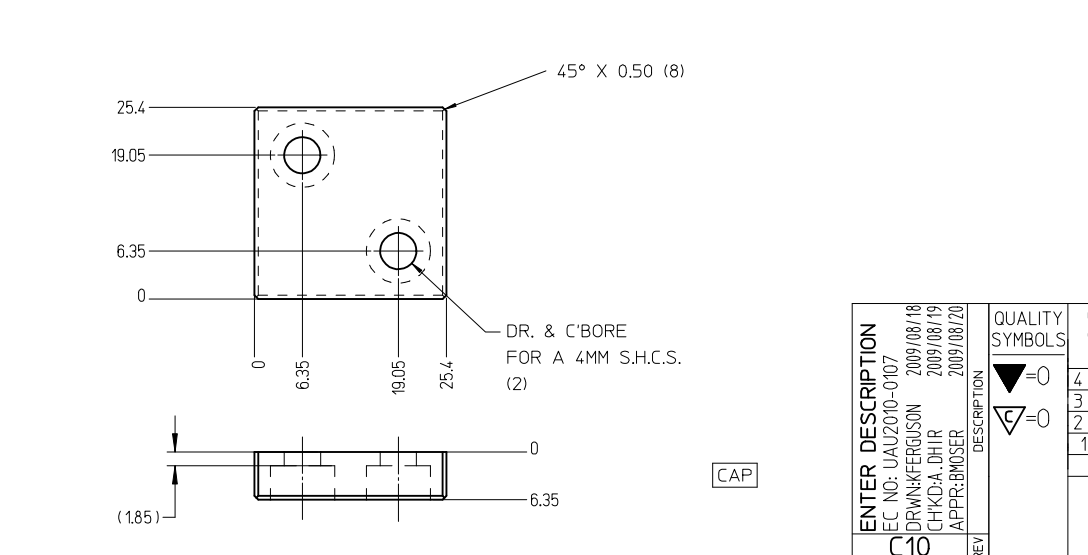
ENTER DESCRIPTION EC NO: UAU2010-0107 2009/08/18 DRWN:KFERGUSON 2009/08/19 CHKD:A.DHIR 2009/08/20 APPR:BMOSER	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 1.5MM BLADE TERMINAL MOLEX INCORPORATED DOCUMENT NO. SD-33000-001 SHEET NO. 3 OF 5
				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			
			2 PLACES	± 0.1	± ---					
			1 PLACE	± 0.3	± ---					
			ANGULAR ± 3 °							



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



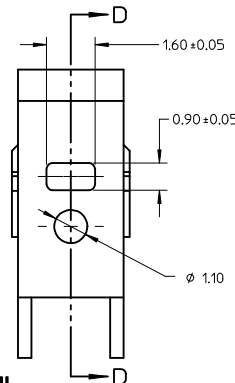
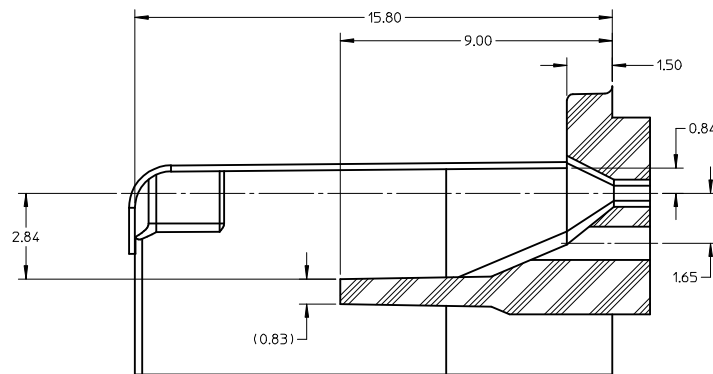
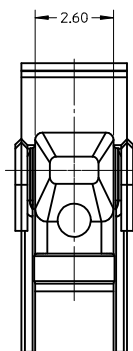
- CRIMP REQUIREMENTS:
1. CRIMP STRAIGHTNESS MUST BE MAINTAINED. USE A KNOCKDOWN TOOL LOCATED AS SHOWN. TERMINAL BOX MUST NOT BE DEFORMED
 2. AFTER CRIMPING, THE TERMINAL AND WIRE MUST FIT FREELY INTO THE CHECKING AID 33000-700. PROPER INSERTION DEPTH IS MET WHEN BLADE TIP STOPS ON CAP. SLOTS PROVIDED 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	
EC NO: UAU2010-0107	2009/08/18
DRWN:KFERGUSON	2009/08/19
CHKD:A.DHIR	2009/08/20
APPR:BMOSER	2009/08/20
DESCRIPTION	
REV	

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± .005	± .0004
3 PLACES ± .005	± .0004
2 PLACES ± .01	± .0004
1 PLACE ± .03	± .0012
ANGULAR ± 3 °	

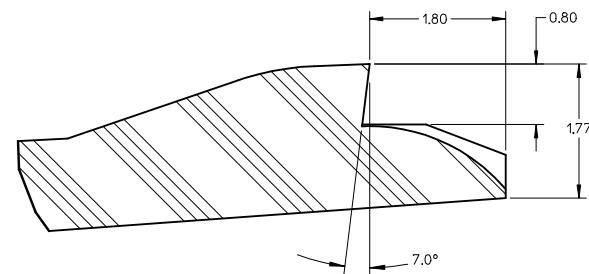
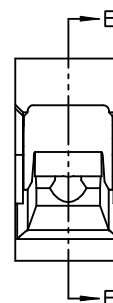
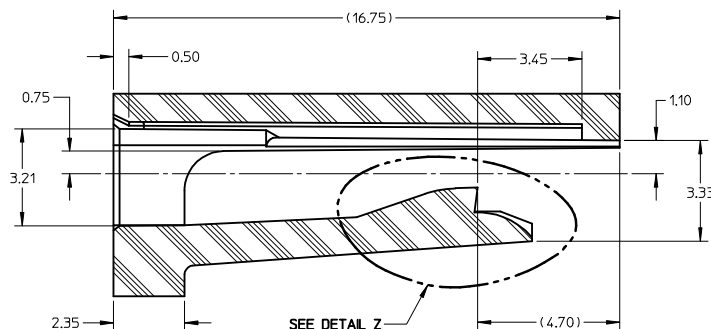
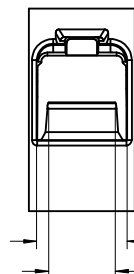
DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
L.PULLIAM	2006/01/31
CHECKED BY	DATE
A.DHIR	2006/02/01
APPROVED BY	DATE
B.MOSER	2006/02/02
MATERIAL NO.	
SEE TABLE	
SIZE	
C	

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



SECTION D-D

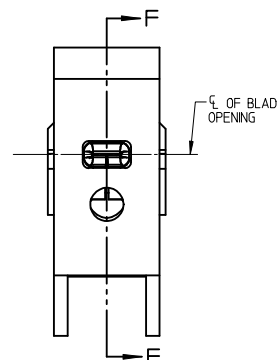
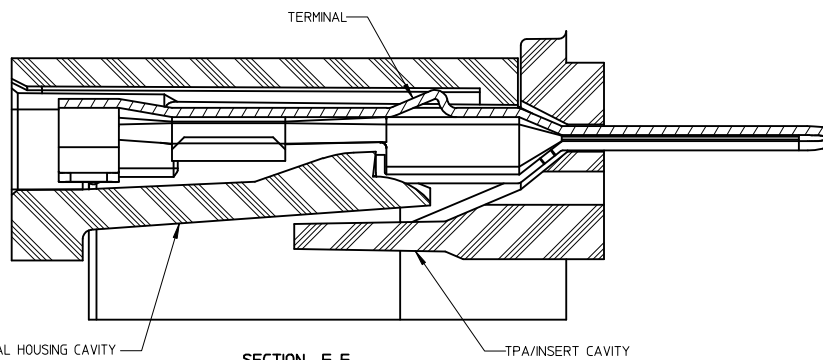
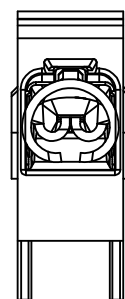
TPA/INSERT DETAIL



SECTION E-E

HOUSING DETAIL

DETAIL Z
SCALE 20:1



BLADE TERMINAL HOUSING CAVITY

SECTION F-F

TPA/INSERT CAVITY

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. TOLERANCES: LINEAR ± 0.10
ANGULAR 3°
2. ALL DRAFT WITHIN TOLERANCE
3. MAX RADII 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 CAVITY ASSEMBLY VIEWS

ENTER DESCRIPTION
EC NO: UAU2010-0107 2009/08/18
DRAWN: KFERGUSON 2009/08/19
CHKD: A.DHIR 2009/08/19
APPR: B.MOSER 2009/08/20
REV

QUALITY SYMBOLS

▽=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± 0.10	± 0.004
3 PLACES	± 0.15	± 0.006
2 PLACES	± 0.25	± 0.010
1 PLACE	± 0.38	± 0.015
ANGULAR $\pm 3^\circ$		

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

SCALE
8:1

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

TITLE
MX150 15MM BLADE TERMINAL

MOLEX INCORPORATED

MATERIAL NO.
SEE TABLE

DOCUMENT NO.
SD-33000-001

SHEET NO.
5 OF 5

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION