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Part Number:

0330113002

Status:

Active

Overview:

[mx150_sealed_connector_system](#)

Description:

MX150™ Male Terminal, Silver (Ag) Plating, 16-20 AWG, Left Reel Payoff, Contact Material Thickness 0.30mm (.012")

Documents:

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family

Crimp Terminals

Series

33011

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

Silver

Material - Plating Termination

Tin

Packaging Type

Reel

Plating min: Mating (µin)

30.4

Plating min: Mating (µm)

0.76

Plating min: Termination (µin)

100

Plating min: Termination (µm)

2.5

Termination Interface: Style

Crimp or Compression

Wire Insulation Diameter

2.60mm (.102") max.

Wire Size AWG

16, 18, 20

Wire Size mm²

0.75, 1.00

Electrical

Current - Maximum per Contact

22A

Voltage - Maximum

250V

Material Info

Reference - Drawing Numbers

Sales Drawing

SD-33000-001



image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

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

33011Series

Use With

33482 Dual Row Housing, 33481 Single Row Housing, 33486 Hybrid Housing

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

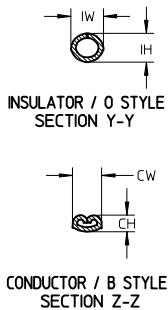
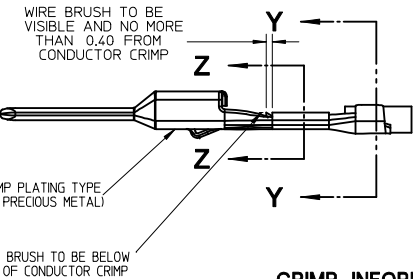
Global	
Description	Product #
Hand Crimp Tool, 14-16AWG	0638112400
Hand Crimp Tool, 18-22AWG	0638112600
FineAdjust™	0639000300
Applicator for MX150™ Terminals - 16 AWG	

FineAdjust™	<u>0639000400</u>
Applicator for	
MX150™ Terminals -	
18 AWG	
FineAdjust™	<u>0639000500</u>
Applicator for	
MX150™ Terminals -	
20 AWG	

This document was generated on 06/07/2010

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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

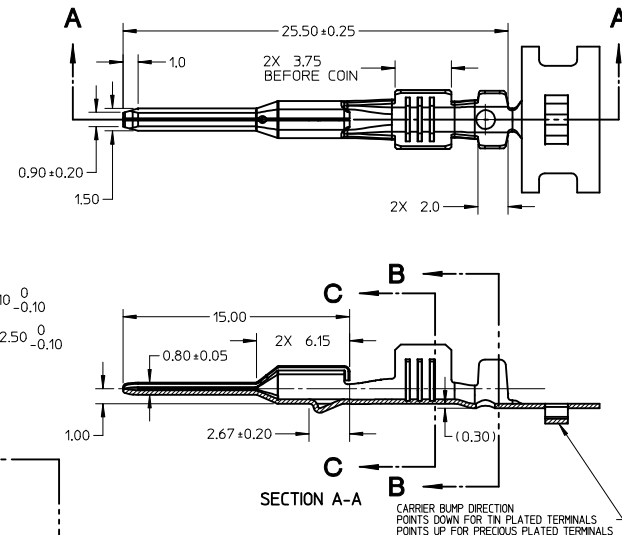
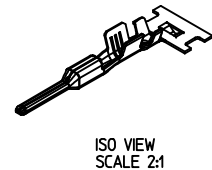
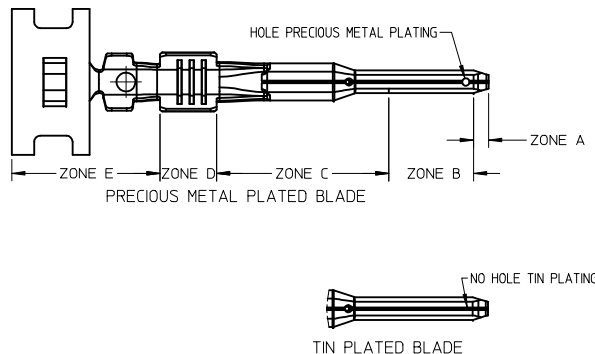
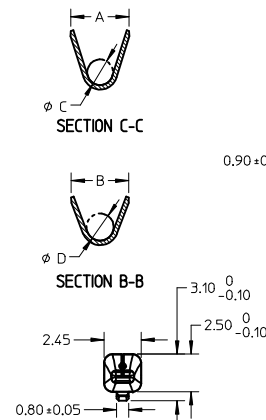
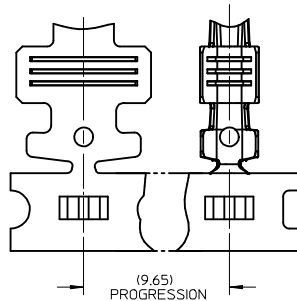
TIN LAYER: ELECTRODEPOSITED 100% TIN, MATTE FINISH THICKNESS 2.5 - 4.0 MICROMETERS

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



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: FERGUSON CHKD: A.DHIR APPR: B.MOSER	REV	DESCRIPTION 2009/08/18 2009/08/19 2009/08/20	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

I

H

G

F

E

D

C

B

A

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 (mm)																WIRE SPECIFICATION
33000-0001	33000-1001	ZLJT-14421-DA	TIN	14	MIL-123A/MIL-135A1	2.0, 1.5	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
					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
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, 1.5	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, 1.5	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.	B DIRECTION RIGHT PAYOFF	D 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	
				16 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	
33000-0002	33000-1002	ZL1T-14421-CA	TIN	18 awg	SAE J1128 (GXL)	1.25	2.15	2.30	2.60	158	
				20 awg	MIL-123A	1.15	2.15	1.90	2.10	113	
					SAE J1128 (GXL)	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	
				1.5 mm ²	MIL-126A1	1.40	2.25	2.65	2.80	177	
				10 mm ²	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	
33000-0002	33000-1002	ZL1T-14421-CA	TIN	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	
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	
				16 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	
33011-1004	33011-0004	ZL1T-14421-FA	GOLD	18 awg	SAE J1128 (GXL)	1.25	2.15	2.30	2.60	158	
				20 awg	MIL-123A	1.15	2.15	1.90	2.10	113	
					SAE J1128 (GXL)	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	
				1.5 mm ²	MIL-126A1	1.40	2.25	2.65	2.80	177	
				10 mm ²	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	
33011-1004	33011-0004	ZL1T-14421-FA	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	
33011-1006*	33011-0006*	ZL1T-14421-EA*	GOLD	0.35 mm ²	WSK-1A348-A2	0.95	1.60	1.70	1.90	50	
33011-2003	33011-3003	7U5T-14421-CA	SILVER	14 awg	MIL-123A	1.65	2.45	2.85	2.75	339	
				16 awg	MIL-135A1	1.65	2.45	2.80	2.80	339	
					MIL-123A	1.35	2.15	2.20	2.60	215	
				18 awg	MIL-123A	1.25	2.15	2.00	2.30	157	
					SAE J1128 (GXL)	1.25	2.15	2.30	2.60	158	
				20 awg	MIL-123A	1.15	2.15	1.90	2.10	113	
					SAE J1128 (GXL)	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	
					JASO D 611 (AVSSI)	1.60	2.45	2.85	2.75	233	
33011-2003	33011-3003	7U5T-14421-CA	SILVER	2.0 mm ²	MIL-126A1	1.40	2.25	2.65	2.80	177	
				1.5 mm ²	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	
33011-2001	33011-3001	7U5T-14421-AA	SILVER	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	
33011-2001*	33011-3001*	7U5T-14421-AA*	SILVER	0.35 mm ²	WSK-1A348-A2	0.95	1.60	1.70	1.90	50	

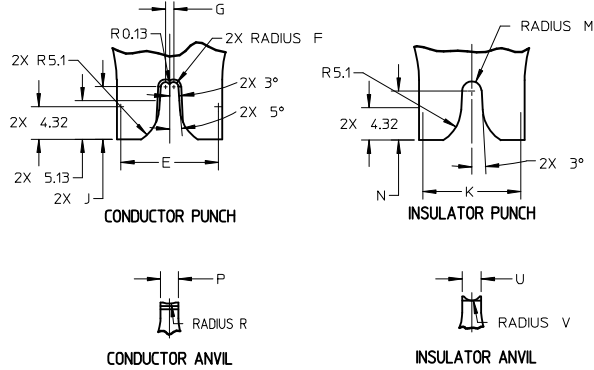
* UNSEALED APPLICATIONS ONLY

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CHKD:A.DHIR 2009/08/19
APPR:BMOSER 2009/08/20

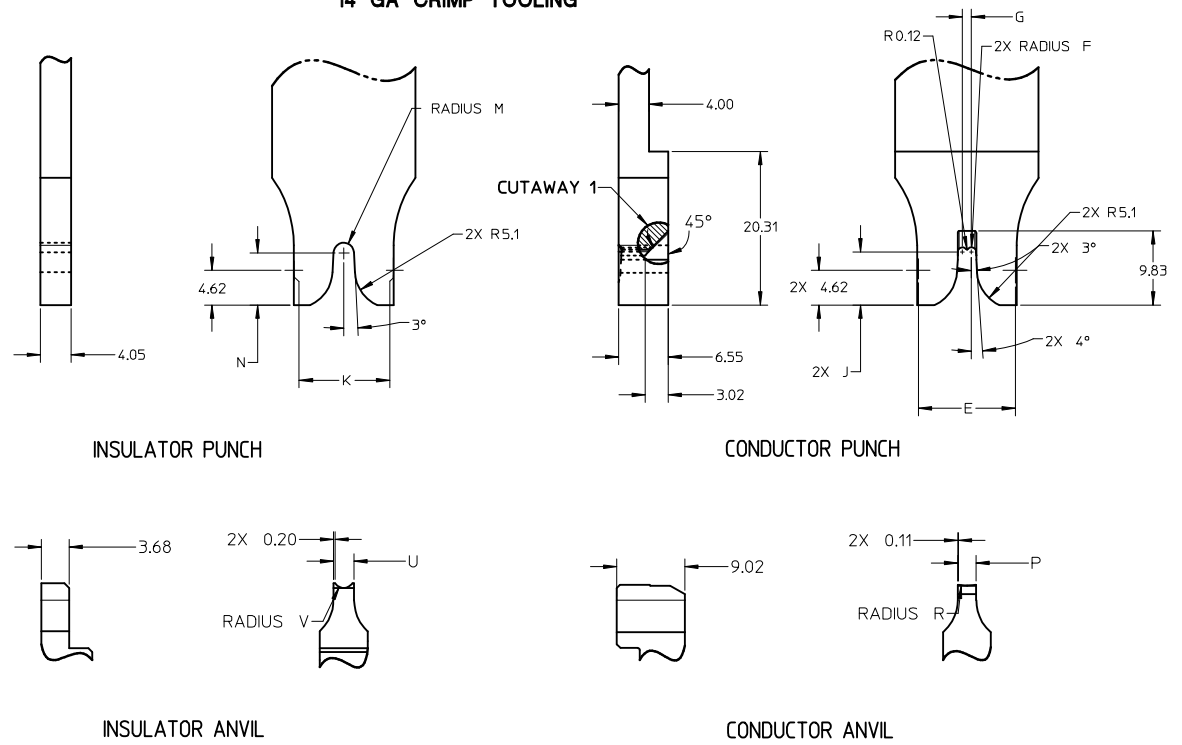
REV
C10

QUALITY SYMBOL

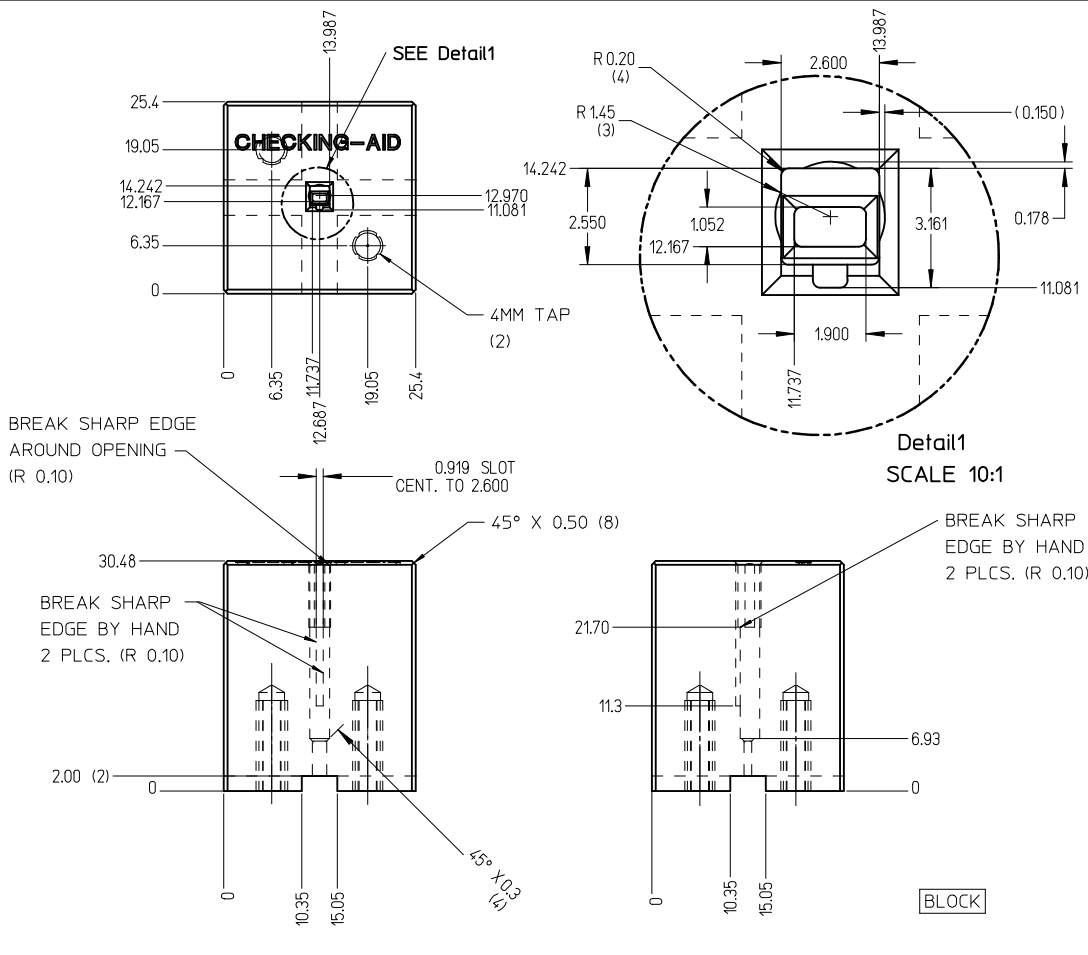
**CRIMP TOOL INFORMATION
EXCEPT 14 GA**



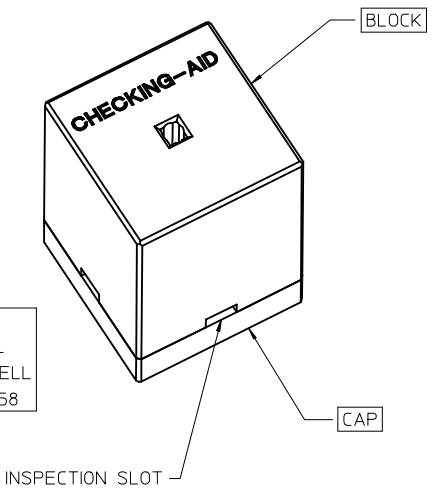
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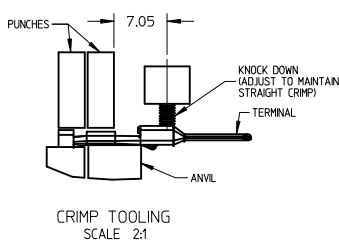
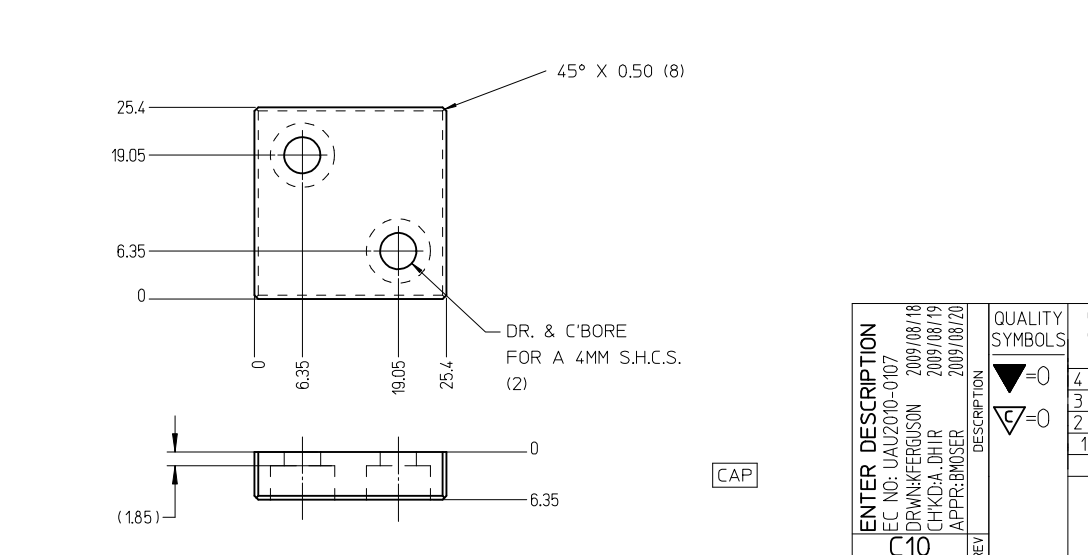
ENTER DESCRIPTION EC NO: UAU2010-0107 DRAWN: KFERGUSON 2009/08/18 CHKD: A.DHIR 2009/08/19 APPR: B.MOSER 2009/08/20	DESCRIPTION C10	REV	QUALITY SYMBOLS ▽=0 ⌒=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
					mm	INCH	DRAWN BY L.PULLIAM	DATE 2006/01/31	TITLE MX150 1.5MM BLADE TERMINAL				
				4 PLACES	± ---	± ---	CHECKED BY A.DHIR	DATE 2006/02/01					
				3 PLACES	± ---	± ---	APPROVED BY B.MOSER		DATE 2006/02/02		MOLEX INCORPORATED		
				2 PLACES	± 0.1	± ---							
				1 PLACE	± 0.3	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-33000-001		SHEET NO. 3 OF 5		
				ANGULAR ± 3 °									
SIZE C		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

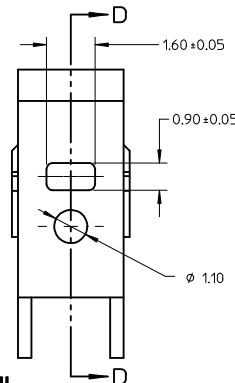
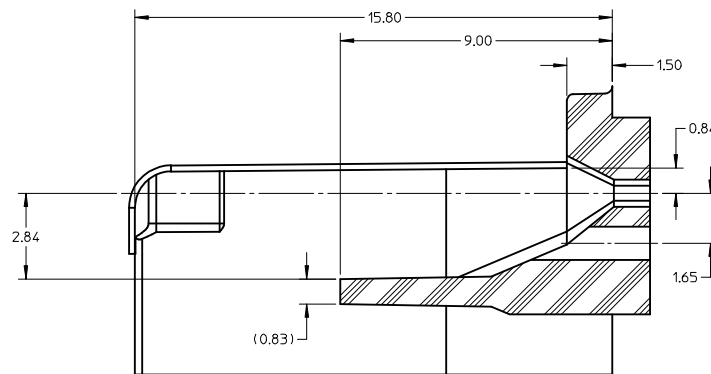
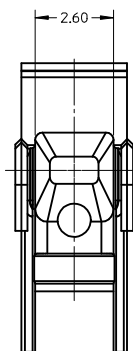


CHECKING AID TOLERANCE	
.XXX	= .005
.XX	= .03
.X	= .3



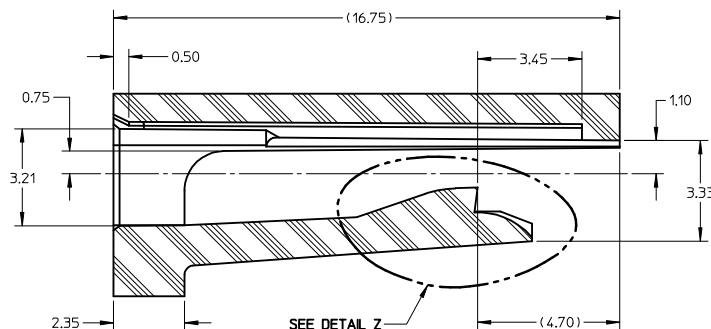
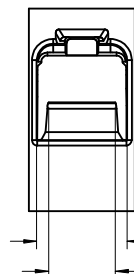
- CRIMP REQUIREMENTS:
1. CRIMP STRAIGHTNESS MUST BE MAINTAINED. USE A KNOCKDOWN TOOL LOCATED AS SHOWN. TERMINAL BOX MUST NOT BE DEFORMED
 2. AFTER CRIMPING, THE TERMINAL AND WIRE MUST FIT FREELY INTO THE CHECKING AID 33000-700. PROPER INSERTION DEPTH IS MET WHEN BLADE TIP STOPS ON CAP. SLOTS PROVIDED TO VISUALLY INSPECT 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		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: UAU2010-0107		DRAWN BY		mm		MM ONLY		2:1		METRIC		TITLE	
2009/08/18		DATE		INCH		L.PULLIAM		2006/01/31		MX150 15MM BLADE TERMINAL		SHEET NO.	
DRWN:KFERGUSON		CHECKED BY		4 PLACES ± ---		A.DHIR		2006/02/01		MOLEX INCORPORATED		4 OF 5	
CHKD:A.DHIR		APPROVED BY		3 PLACES ± ---		B.MOSER		2006/02/02		SD-33000-001			
APPR:BMOSE		MATERIAL NO.		2 PLACES ± 0.1		SEE TABLE							
2009/08/20		SIZE		1 PLACE ± 0.3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
REV		ANGULAR ± 3 °											
C10													



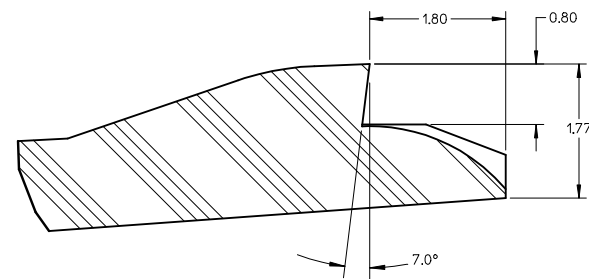
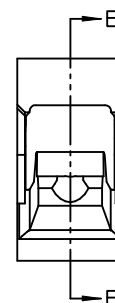
SECTION D-D

TPA/INSERT DETAIL

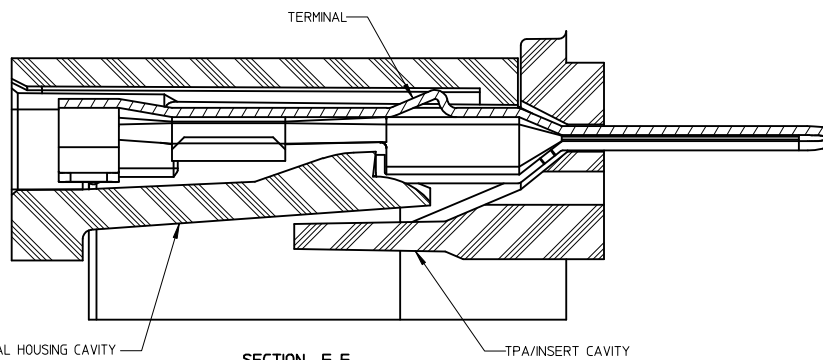
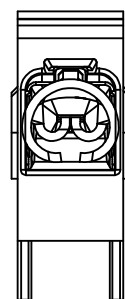


SECTION E-E

HOUSING DETAIL

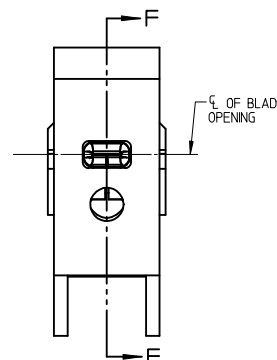


DETAIL Z
SCALE 20:1



SECTION F-F

BLADE CAVITY ASSEMBLY VIEWS



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

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

QUALITY SYMBOLS
▽=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 $\pm 3^\circ$	

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 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
TITLE MX150 15MM BLADE TERMINAL		
MOLEX INCORPORATED		
DOCUMENT NO. SD-33000-001	SHEET NO. 5 OF 5	