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Part Number:

0330001002

Status:

Active

Overview:

[mx150_sealed_connector_system](#)

Description:

MX150™ Male Terminal, Tin (Sn) 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

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

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



Series

image - Reference only

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

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

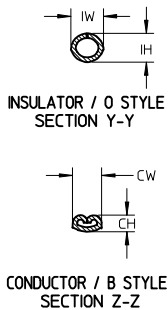
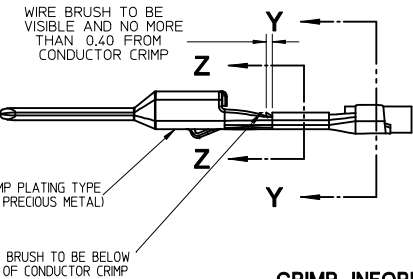
Global

Description	Product #
FineAdjust™ Applicator for MX150™ Terminals - 16 AWG	0639000300
FineAdjust™ Applicator for MX150™ Terminals - 18 AWG	0639000400

FineAdjust™ Applicator for MX150™ Terminals - 20 AWG	<u>0639000500</u>
Hand Crimp Tool, 14-16AWG	<u>0638112400</u>
Hand Crimp Tool, 18-22AWG	<u>0638112600</u>
FineAdjust™ Applicator, 16AWG	<u>0638653100</u>
FineAdjust™ Applicator, 18AWG	<u>0638653200</u>

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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

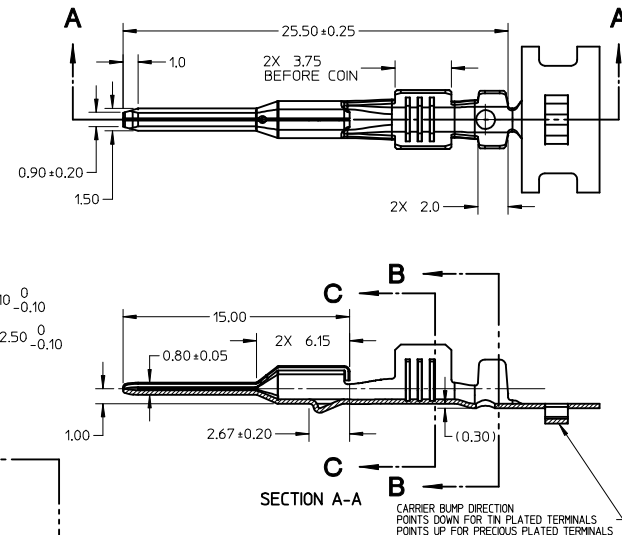
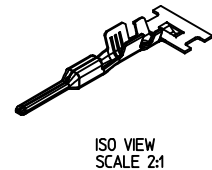
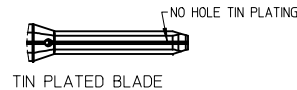
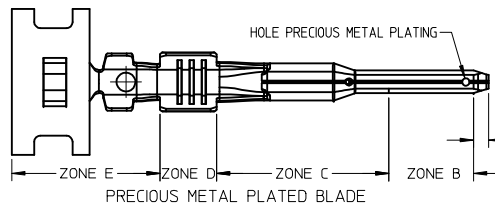
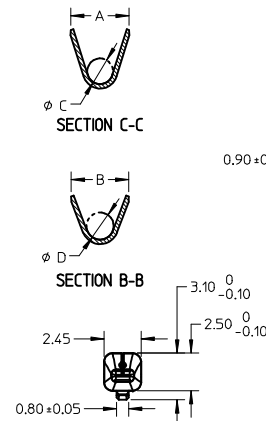
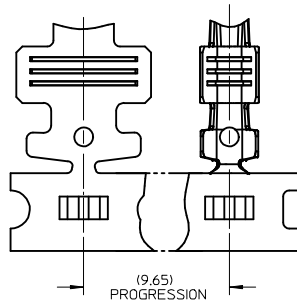
TIN LAYER: ELECTRODEPOSITED 100% TIN, MATTE FINISH
THICKNESS 2.5 - 4.0 MICROMETERS

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: KFERGUSON CHKD: A.DHIR APPR: B.MOSER REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY	DATE	TITLE MX150 15MM BLADE TERMINAL	
			4 PLACES	± ---	± ---	L.PULLIAM	2006/01/31		
			3 PLACES	± ---	± ---	CHECKED BY	DATE		
			2 PLACES	± 0.1	± ---	A.DHIR	2006/02/01		
			1 PLACE	± 0.3	± ---	APPROVED BY	DATE		
			ANGULAR ± 3 °		B.MOSER	2006/02/02			
		MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-33000-001		SHEET NO. 1 OF 5				
C10	REV		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

J

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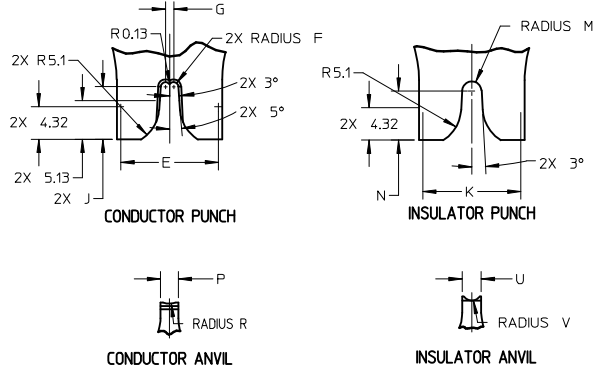
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TABLE 2 - TERMINAL GRIP/CRIMP TOOL DIM. REFERENCE TABLE																						
SUPPLIER B DIRECTION RIGHT PAYOFF	PART NO. D DIRECTION LEFT PAYOFF	FORD PART NO.	PLATING (STAMPING)	WIRE APPLICATION			A +0.30	B +0.30	C +0.30	D +0.30	E +0.005	F +0.005	G +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
					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, 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

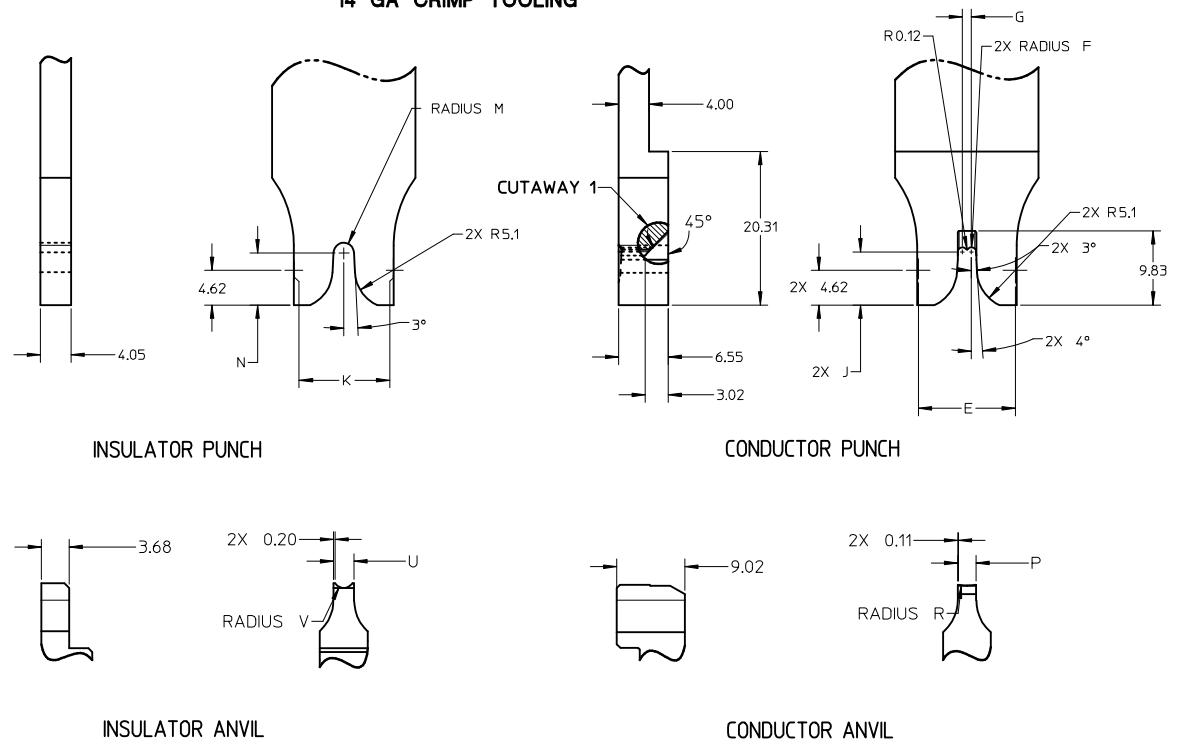
* UNSEALED APPLICATIONS ONLY

TABLE 1 - TERMINAL CRIMP DIMENSIONS REFERENCE TABLE										
SUPPLIER PART NO. 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
				18 awg	MIL-123A	1.35	2.15	2.20	2.60	215
				20 awg	MIL-123A	1.25	2.15	2.00	2.30	157
33000-0002	33000-1002	ZL1T-14421-CA	TIN	14 awg	SAE J1128 (GXL)	1.25	2.15	2.30	2.60	158
				16 awg	MIL-123A	1.15	2.15	1.90	2.10	113
				18 awg	SAE J1128 (GXL)	1.15	2.15	2.00	2.30	105
				20 awg	MIL-123A	1.00	1.60	1.85	1.90	62
33000-0003	33000-1003	ZL1T-14421-BA	TIN	22 awg	MIL-123A	1.60	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
				1.0 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	10 mm ²	MIL-126A1	1.10	1.60	1.80	1.90	82
33000-0003	33000-1003	ZL1T-14421-BA	TIN	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
				16 awg	MIL-135A1	1.65	2.45	2.80	2.80	339
				18 awg	MIL-123A	1.35	2.15	2.20	2.60	215
				20 awg	MIL-123A	1.25	2.15	2.00	2.30	157
33011-1004	33011-0004	ZL1T-14421-FA	GOLD	14 awg	SAE J1128 (GXL)	1.25	2.15	2.30	2.60	158
				16 awg	MIL-123A	1.15	2.15	1.90	2.10	113
				18 awg	SAE J1128 (GXL)	1.15	2.15	2.00	2.30	105
				20 awg	MIL-123A	1.00	1.60	1.85	1.90	62
33011-1006	33011-0006	ZL1T-14421-EA	GOLD	22 awg	JASO D 611 (AVSSI)	1.60	2.45	2.85	2.75	233
33011-1002	33011-0002	ZL1T-14421-GA	GOLD	2.0 mm ²	MIL-126A1	1.40	2.25	2.65	2.80	177
33011-1004	33011-0004	ZL1T-14421-FA	GOLD	1.5 mm ²	MIL-126A1	1.30	2.15	2.00	2.30	162
				1.0 mm ²	MIL-126A1	1.25	2.15	1.95	2.30	145
				0.75 mm ²	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
33011-1006	33011-0006	ZL1T-14421-EA	GOLD	0.5 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-126A1	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	2.85	2.80	339
				16 awg	MIL-123A	1.35	2.15	2.20	2.60	215
				18 awg	MIL-123A	1.25	2.15	2.00	2.30	157
				20 awg	SAE J1128 (GXL)	1.25	2.15	2.30	2.60	158
33011-2002	33011-3002	7U5T-14421-BA	SILVER	14 awg	MIL-123A	1.15	2.15	1.90	2.10	113
				16 awg	SAE J1128 (GXL)	1.15	2.15	2.00	2.30	105
				18 awg	MIL-123A	1.00	1.60	1.85	1.90	62
				20 awg	JASO D 611 (AVSSI)	1.60	2.45	2.85	2.75	233
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
				1.5 mm ²	MIL-126A1	1.40	2.25	2.65	2.80	177
				1.0 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	JASO D 611 (AVSSI)	1.10	1.60	1.80	1.90	82
33011-2001*	33011-3001*	7U5T-14421-AA*	SILVER	0.35 mm ²	WSK-1A348-A2	0.95	1.60	1.85	1.90	100

**CRIMP TOOL INFORMATION
EXCEPT 14 GA**

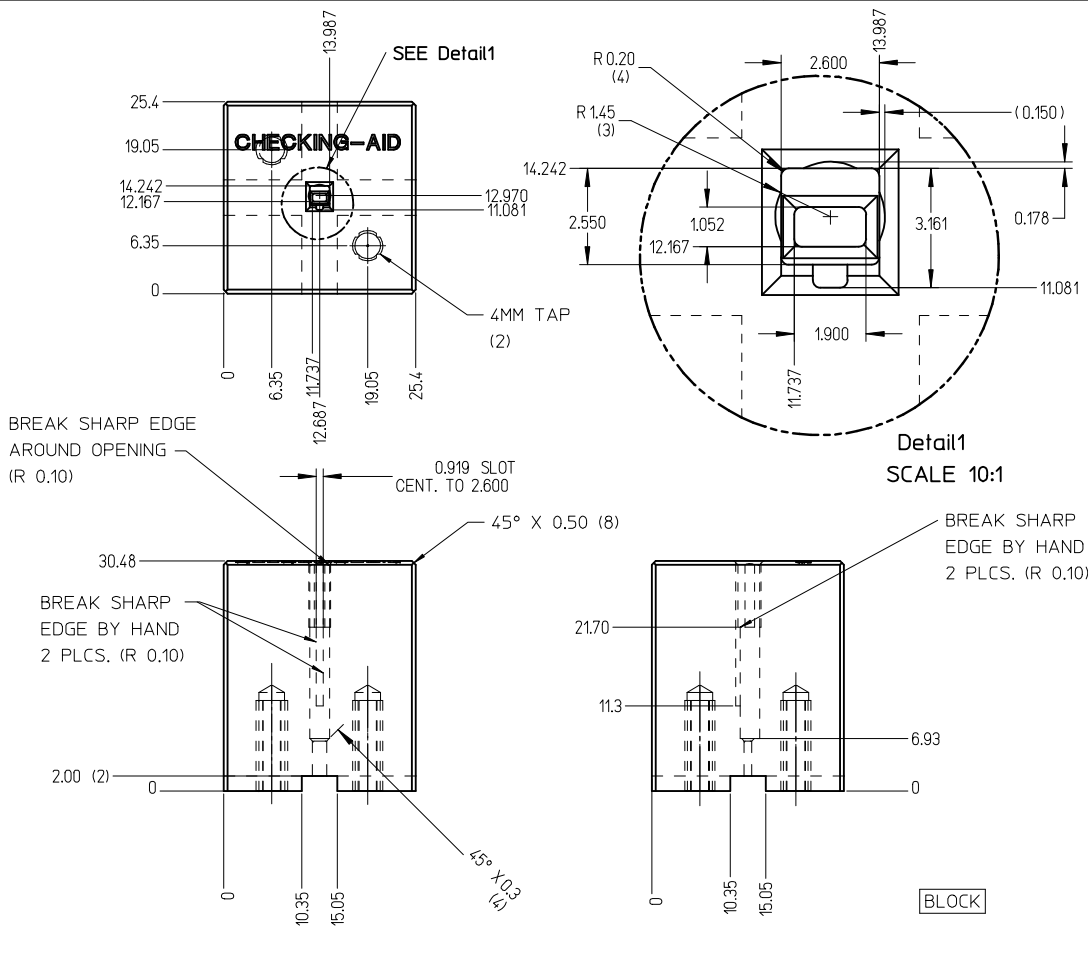


14 GA CRIMP TOOLING

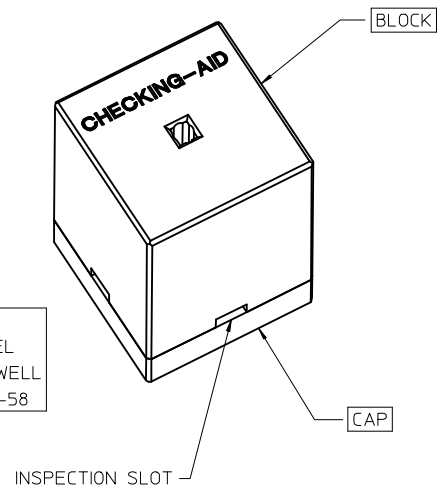


ENTER DESCRIPTION EC NO: UAU2010-0107 2009/08/18 DRWN:KFERGUSON 2009/08/19 CHKD:A.DHIR 2009/08/20 APPR:BMOSER	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 1.5MM BLADE TERMINAL MOLEX 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 °							

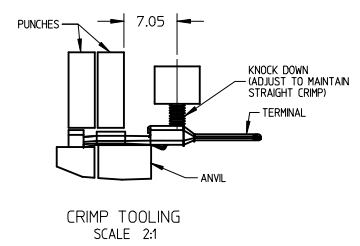
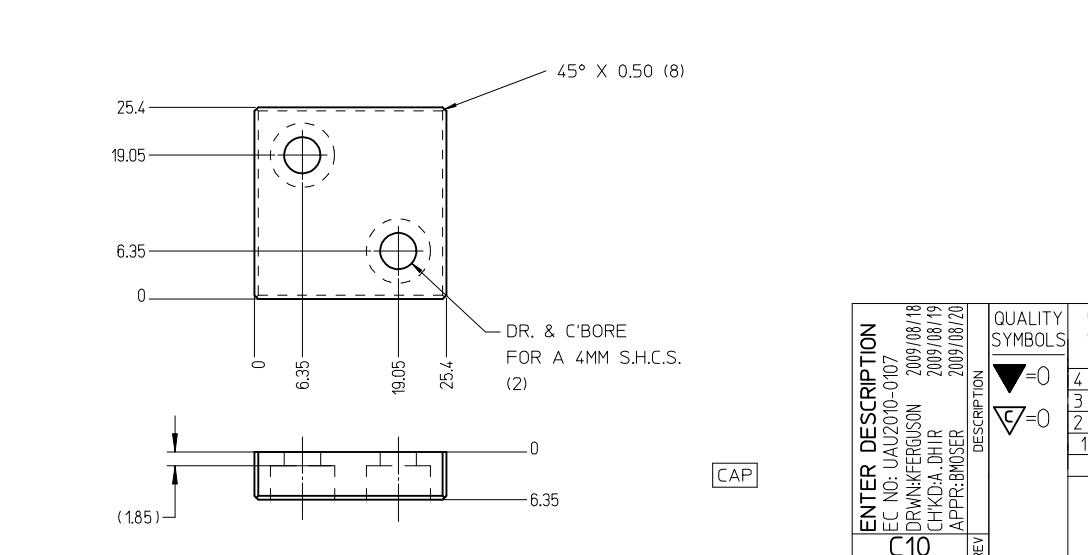
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
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CHECKING-AID
2 PIECE ASM. A2 TOOL STEEL
HARDEN & GRIND TO A ROCKWELL
HARDNESS "C" SCALE OF 56-58

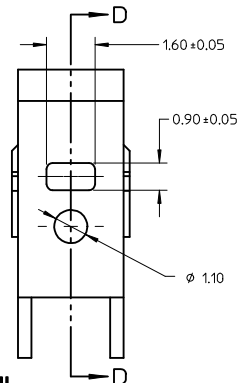
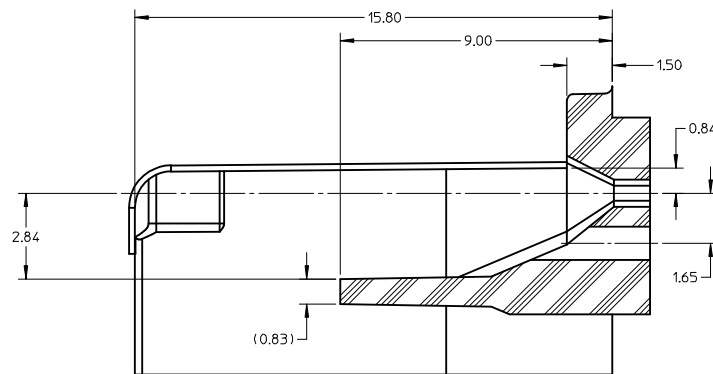
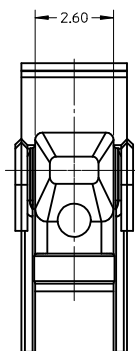


CHECKING AID TOLERANCE	
.XXX	= .005
.XX	= .03
.X	= .3



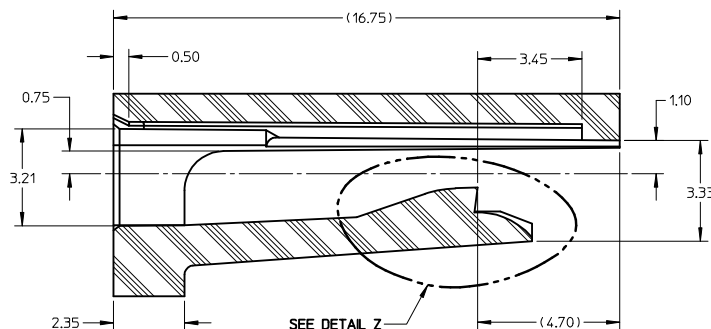
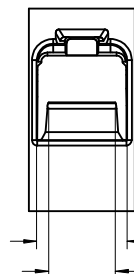
- CRIMP REQUIREMENTS:
1. CRIMP STRAIGHTNESS MUST BE MAINTAINED. USE A KNOCKDOWN TOOL LOCATED AS SHOWN. TERMINAL BOX MUST NOT BE DEFORMED
 2. AFTER CRIMPING, THE TERMINAL AND WIRE MUST FIT FREELY INTO THE CHECKING AID 33000-700. PROPER INSERTION DEPTH IS MET WHEN BLADE TIP STOPS ON CAP. SLOTS PROVIDED 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 DRWN:KFERGUSON 2009/08/18 CHKD:A .DHIR 2009/08/19 APPR:BMOSEY 2009/08/20 C10	DESCRIPTION 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 DATE		TITLE MX150 15MM BLADE TERMINAL				
		4 PLACES	± ---	± ---	L.PULLIAM 2006/01/31						
		3 PLACES	± ---	± ---	CHECKED BY DATE						
		2 PLACES	± 0.1	± ---	A.DHIR 2006/02/01						
		1 PLACE	± 0.3	± ---	APPROVED BY DATE						
		ANGULAR ± 3 °			B.MOSER 2006/02/02		MOLEX MOLEX INCORPORATED				
REV					MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
					SEE TABLE		SD-33000-001		4 OF 5		
			SIZE C			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



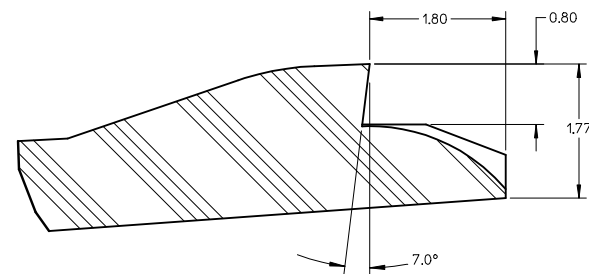
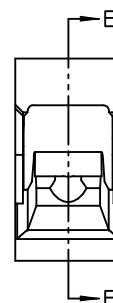
SECTION D-D

TPA/INSERT DETAIL

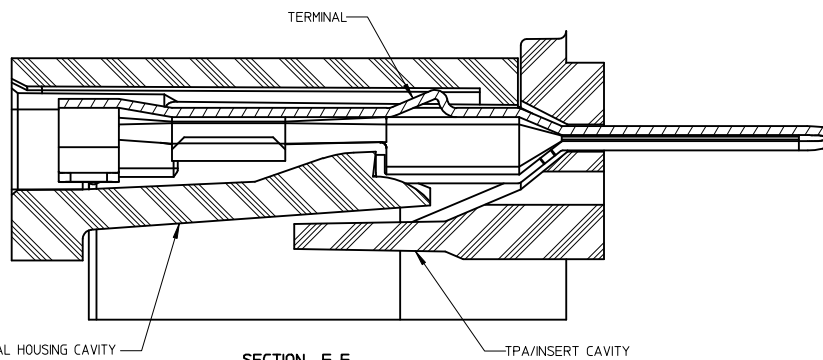
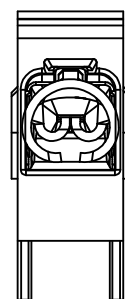


SECTION E-E

HOUSING DETAIL

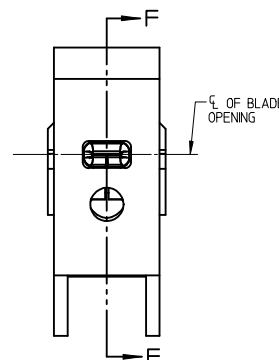


DETAIL Z
SCALE 20:1



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
REV

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	