This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0330113001

Status: Active

Overview: mx150_sealed_connector_system

Description: MX150™ Male Terminal, Silver (Ag) Plating, 22 AWG, Left Reel Payoff, Contact Material Thickness 0.30mm (.012")

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Series image - Reference only

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	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
Not Reviewed
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, 18-22AWG	0638112600
FineAdjust™ Applicator	0639000600

This document was generated on 06/07/2010

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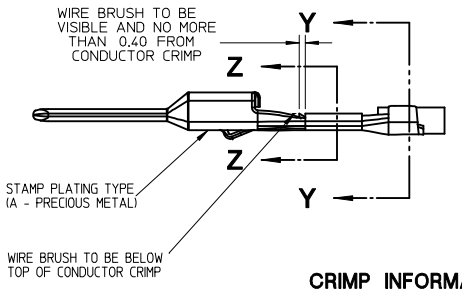
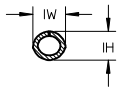
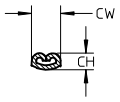


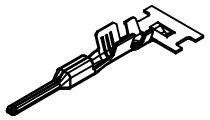
CRIMP INFORMATION



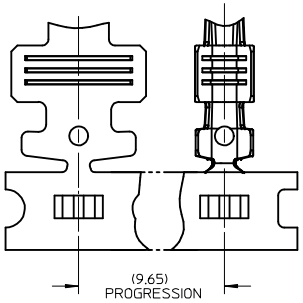
INSULATOR / O STYLE
SECTION Y-Y

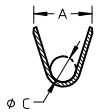


CONDUCTOR / B STYLE
SECTION Z-Z

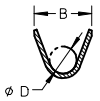


ISO VIEW
SCALE 2:1

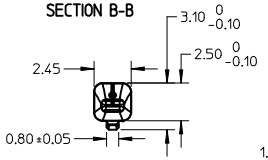


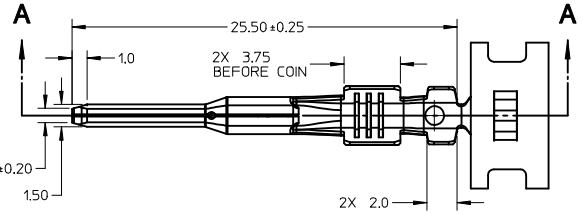


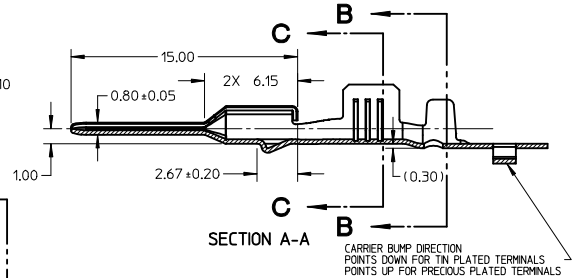
SECTION C-C



SECTION B-B

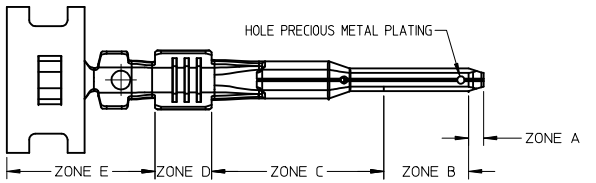




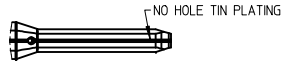


SECTION A-A

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



PRECIOUS METAL PLATED BLADE



TIN PLATED BLADE

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 IMPURITES)
THICKNESS: 1.9 - 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)

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
   PLATING: SEE PLATING NOTES
3. MEETS CRIMP PERFORMANCE SPECIFICATION SAE/USCAR-21 (RELEASED: 08/25/01)
4. MEETS PERFORMANCE STANDARD FOR AUTOMOTIVE ELECTRICAL CONNECTOR SYSTEMS SAE/USCAR-2 REV 3 (APRIL 2001)
5. MEETS FIELD CORRELATED LIFE TEST SAE/USCAR-20 (NOVEMBER 2001)
6. MEETS WIRING COMPONENT DESIGN GUIDLINES SAE/USCAR-12 REV 2 (DECEMBER 2001)
7. MEETS ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) REV 11 (5/2002)
8. REFERENCE PK-31300-516 FOR REEL DIRECTION
9. REFERENCE CS-33000-001 FOR ADDITIONAL CRIMP INFORMATION

ENTER DESCRIPTION
EC NO: UAU2010-0107 2009/08/18
DRWN:KFERGUSON 2009/08/19
CHKD:A.DHIR 2009/08/20
APPR:BMOSER
DESCRIPTION
C10
REV

QUALITY SYMBOLS
▼=0
▽C=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
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	L.PULLIAM	DATE 2006/01/31
CHECKED BY	A.DHIR	DATE 2006/02/01
APPROVED BY	B.MOSER	DATE 2006/02/02

TITLE: MX150 1.5MM BLADE TERMINAL

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-33000-001
SHEET NO.: 1 OF 5

SIZE C

TABLE 2 - TERMINAL GRIP/CRIMP TOOL DIM. REFERENCE TABLE

SUPPLIER PART NO. B DIRECTION RIGHT PAYOFF	SUPPLIER PART NO. D DIRECTION LEFT PAYOFF	FORD PART NO.	PLATING (STAMPING)	WIRE APPLICATION SAE (awg)	WIRE APPLICATION WIRE SPECIFICATION	WIRE APPLICATION METRIC (mm²)	WIRE APPLICATION WIRE SPECIFICATION	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
33000-0001	33000-1001	2LIT-14421-DA	TIN	14	M1L-123A/M1L-135A1	2.0, 1.5	M1L-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	2LIT-14421-CA	TIN	16	M1L-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	M1L-123A	1.0, 0.75	M1L-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
					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
				20	M1L-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
					SAE J1128 (GXL)			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
33000-0003	33000-1003	2LIT-14421-BA	TIN	22	M1L-123A	0.5	M1L-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*	2LIT-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	M1L-126A1	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
33000-0024*	33000-1024*	4L2T-14421-AA*	TIN	-		0.35 + 0.50	M1L-126A1	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
33011-1002	33011-0002	2LIT-14421-GA	GOLD	14	M1L-123A/M1L-135A1	2.0, 1.5	M1L-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	2LIT-14421-FA	GOLD	16	M1L-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	M1L-123A	1.0, 0.75	M1L-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
					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
				20	M1L-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
					SAE J1128 (GXL)			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
33011-1006	33011-0006	2LIT-14421-EA	GOLD	22	M1L-123A	0.5	M1L-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*	2LIT-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	M1L-123A/M1L-135A1	2.0, 1.5	M1L-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	M1L-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	M1L-123A	1.0, 0.75	M1L-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
					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
				20	M1L-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
					SAE J1128 (GXL)			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
33011-2001	33011-3001	7U5T-14421-AA	SILVER	22	M1L-123A	0.5	M1L-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	SUPPLIER PART NO. 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	2L1T-14421-DA	TIN	14 awg	M1L-123A	1.65	2.45	2.85	2.75	339
					M1L-135A1	1.65	2.45	2.80	2.80	339
33000-0002	33000-1002	2L1T-14421-CA	TIN	16 awg	M1L-123A	1.35	2.15	2.20	2.60	215
				18 awg	M1L-123A	1.25	2.15	2.00	2.30	157
					SAE J1128 (GXL)	1.25	2.15	2.30	2.60	158
				20 awg	M1L-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	2L1T-14421-BA	TIN	22 awg	M1L-123A	1.00	1.60	1.85	1.90	62
33000-0001	33000-1001	2L1T-14421-DA	TIN	2.0 mm²	JASO D 611 (AVSS)	1.60	2.45	2.85	2.75	233
				1.5 mm²	M1L-126A1	1.40	2.45	2.65	2.80	177
33000-0002	33000-1002	2L1T-14421-CA	TIN	1.0 mm²	M1L-126A1	1.30	2.15	2.00	2.30	162
				0.75 mm²	M1L-126A1	1.25	2.15	1.95	2.30	145
33000-0003	33000-1003	2L1T-14421-BA	TIN	0.5 mm²	M1L-126A1	1.10	1.60	1.80	1.90	82
					JASO D 611 (AVSS)	1.10	1.60	1.85	1.90	100
33000-0003*	33000-1003*	2L1T-14421-BA*	TIN	0.35 mm²	WSK-1A348-A2	0.95	1.60	1.70	1.90	50
33000-0024*	33000-1024*	4L2T-14421-AA*	TIN	0.35 + 0.35	M1L-126A1	TBD	TBD	TBD	TBD	TBD
33000-0024*	33000-1024*	4L2T-14421-AA*	TIN	0.35 + 0.50	M1L-126A1	TBD	TBD	TBD	TBD	TBD
33011-1002	33011-0002	2L1T-14421-GA	GOLD	14 awg	M1L-123A	1.65	2.45	2.85	2.75	339
					M1L-135A1	1.65	2.45	2.80	2.80	339
33011-1004	33011-0004	2L1T-14421-FA	GOLD	16 awg	M1L-123A	1.35	2.15	2.20	2.60	215
				18 awg	M1L-123A	1.25	2.15	2.00	2.30	157
					SAE J1128 (GXL)	1.25	2.15	2.30	2.60	158
				20 awg	M1L-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	2L1T-14421-EA	GOLD	22 awg	M1L-123A	1.00	1.60	1.85	1.90	62
33011-1002	33011-0002	2L1T-14421-GA	GOLD	2.0 mm²	JASO D 611 (AVSS)	1.60	2.45	2.85	2.75	233
				1.5 mm²	M1L-126A1	1.40	2.45	2.65	2.80	177
33011-1004	33011-0004	2L1T-14421-FA	GOLD	1.0 mm²	M1L-126A1	1.30	2.15	2.00	2.30	162
				0.75 mm²	M1L-126A1	1.25	2.15	1.95	2.30	145
33011-1006	33011-0006	2L1T-14421-EA	GOLD	0.5 mm²	M1L-126A1	1.10	1.60	1.80	1.90	82
					JASO D 611 (AVSS)	1.10	1.60	1.85	1.90	100
33011-1006*	33011-0006*	2L1T-14421-EA*	GOLD	0.35 mm²	WSK-1A348-A2	0.95	1.60	1.70	1.90	50
33011-2003	33011-3003	7U5T-14421-CA	SILVER	14 awg	M1L-123A	1.65	2.45	2.85	2.75	339
					M1L-135A1	1.65	2.45	2.80	2.80	339
33011-2002	33011-3002	7U5T-14421-BA	SILVER	16 awg	M1L-123A	1.35	2.15	2.20	2.60	215
				18 awg	M1L-123A	1.25	2.15	2.00	2.30	157
					SAE J1128 (GXL)	1.25	2.15	2.30	2.60	158
				20 awg	M1L-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	M1L-123A	1.00	1.60	1.85	1.90	62
33011-2003	33011-3003	7U5T-14421-CA	SILVER	2.0 mm²	JASO D 611 (AVSS)	1.60	2.45	2.85	2.75	233
				1.5 mm²	M1L-126A1	1.40	2.45	2.65	2.80	177
33011-2002	33011-3002	7U5T-14421-BA	SILVER	1.0 mm²	M1L-126A1	1.30	2.15	2.00	2.30	162
				0.75 mm²	M1L-126A1	1.25	2.15	1.95	2.30	145
33011-2001	33011-3001	7U5T-14421-AA	SILVER	0.5 mm²	M1L-126A1	1.10	1.60	1.80	1.90	82
					JASO D 611 (AVSS)	1.10	1.60	1.85	1.90	100
33011-2001*	33011-3001*	7U5T-14421-AA*	SILVER	0.35 mm²	WSK-1A348-A2	0.95	1.60	1.70	1.90	50

* UNSEALED APPLICATIONS ONLY

ENTER DESCRIPTION
EC NO: UAU2010-0107 2009/08/18
DRWN:KFERGUSON 2009/08/19
CHKD:A.DHIR 2009/08/20
APPR:BMOSER
C10

DESCRIPTION | 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 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: L.PULLIAM DATE: 2006/01/31
CHECKED BY: A.DHIR DATE: 2006/02/01
APPROVED BY: B.MOSER DATE: 2006/02/02
MATERIAL NO.: 9999999999

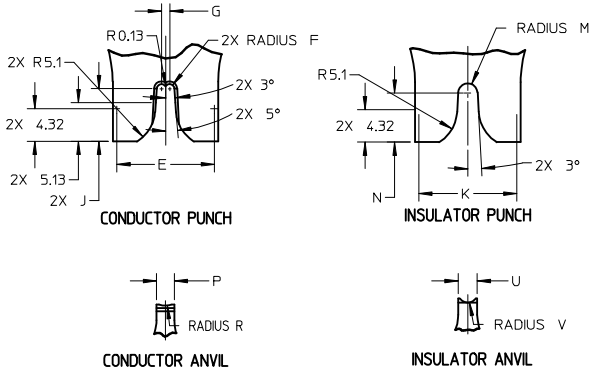
TITLE: MX150 1.5MM BLADE TERMINAL

molex MOLEX INCORPORATED

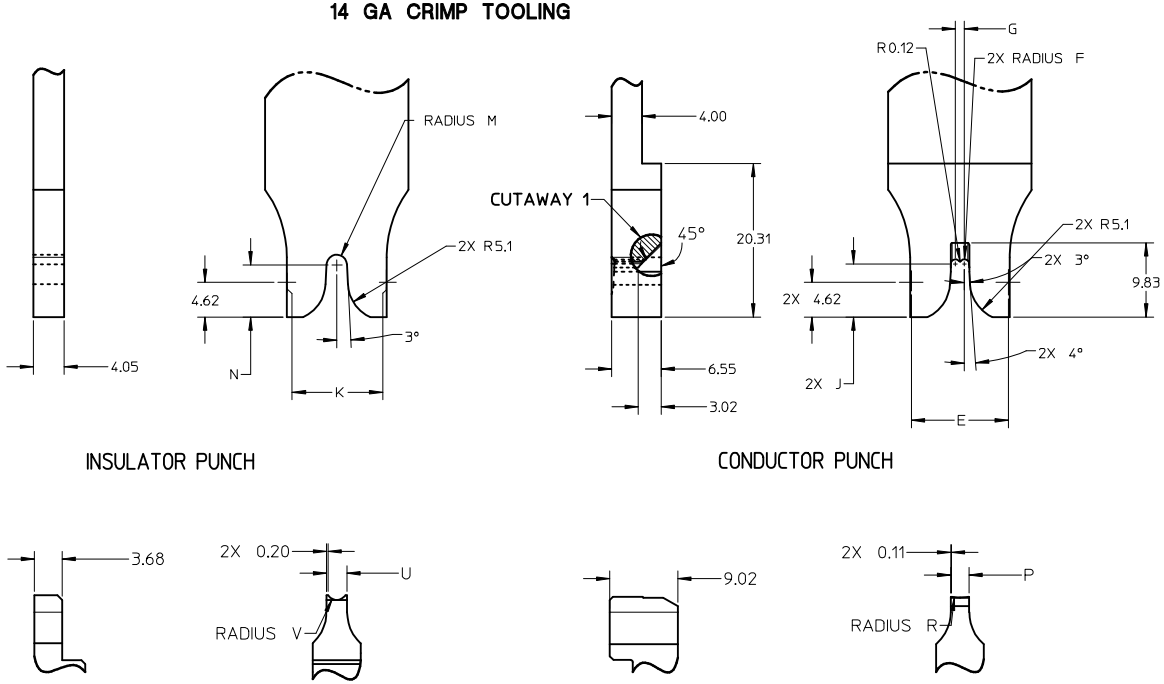
DOCUMENT NO.: SD-33000-001
SHEET NO.: 2 OF 5

SIZE: C

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 2009/08/20
DESCRIPTION
C10
REV

QUALITY SYMBOLS
▼=0
▽(C)=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
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

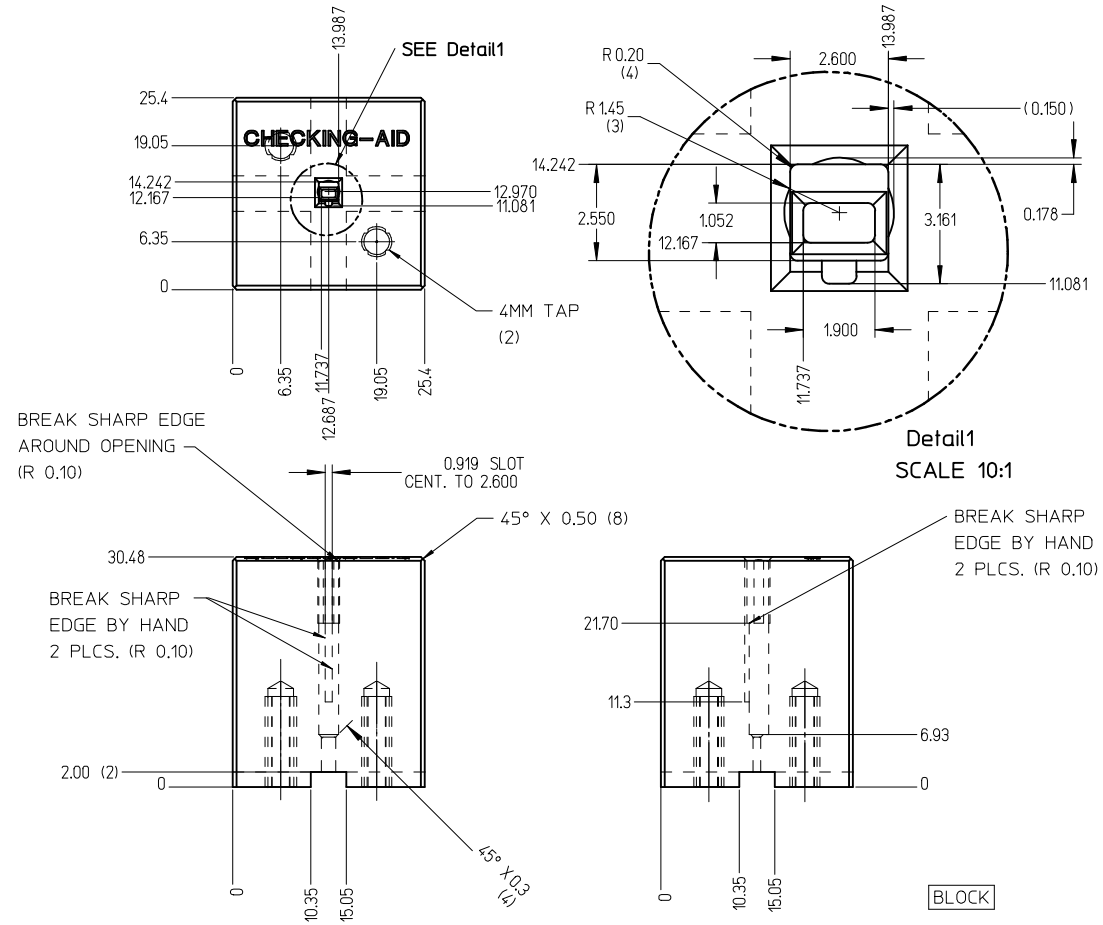
DRAWN BY	L.PULLIAM	DATE 2006/01/31
CHECKED BY	A.DHIR	DATE 2006/02/01
APPROVED BY	B.MOSER	DATE 2006/02/02

TITLE: MX150 1.5MM BLADE TERMINAL

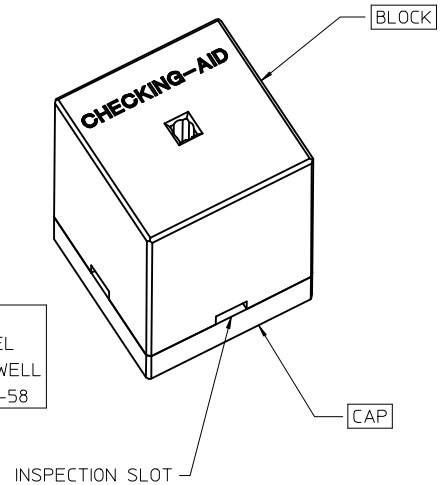
MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-33000-001
SHEET NO.: 3 OF 5

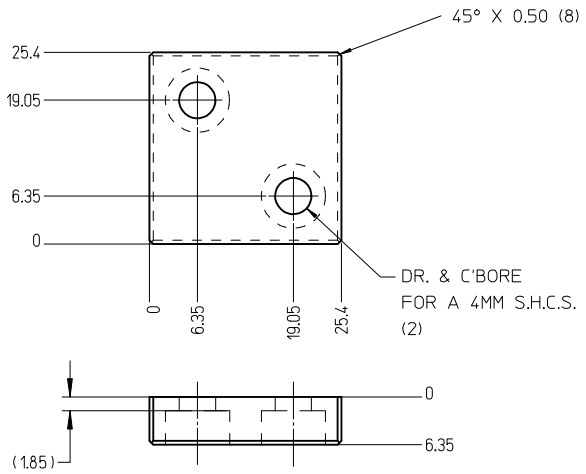
SIZE C

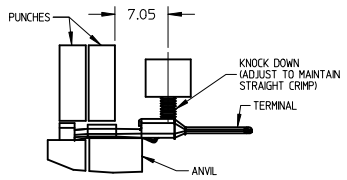


CHECKING-AID
2 PIECE ASM. A2 TOOL STEEL
HARDEN & GRIND TO A ROCKWELL
HARDNESS "C" SCALE OF 56-58



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





CRIMP TOOLING
SCALE 2:1

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
CH'KD:A.DHIR 2009/08/20
APPR:BMOSER
DESCRIPTION
C10
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
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

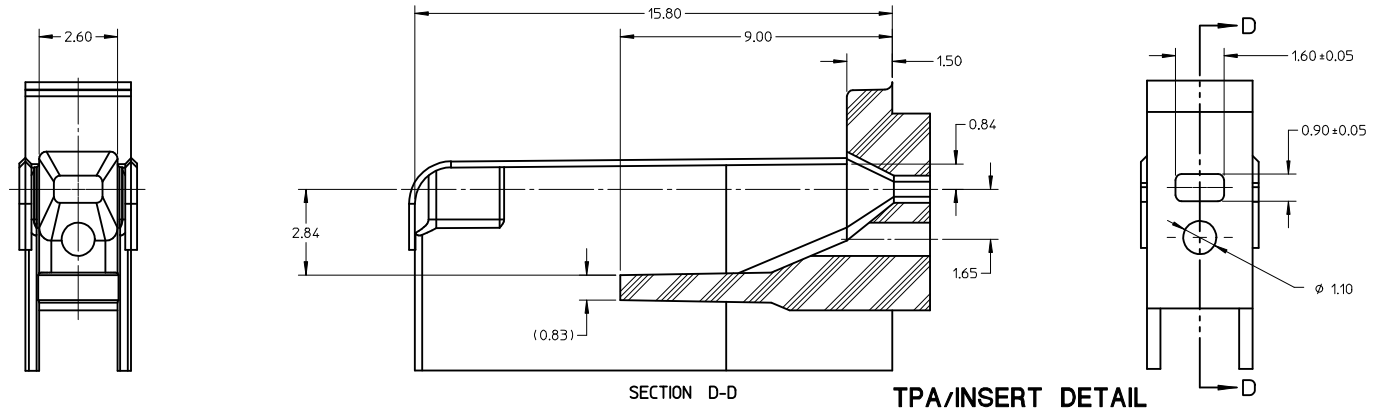
DRAWN BY: L.PULLIAM DATE: 2006/01/31
CHECKED BY: A.DHIR DATE: 2006/02/01
APPROVED BY: B.MOSER DATE: 2006/02/02

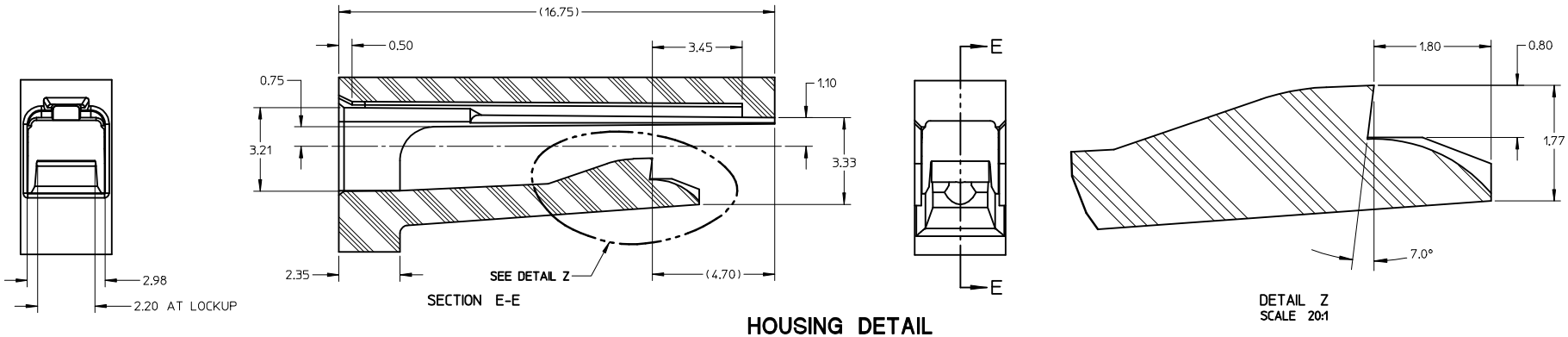
TITLE: MX150 1.5MM BLADE TERMINAL

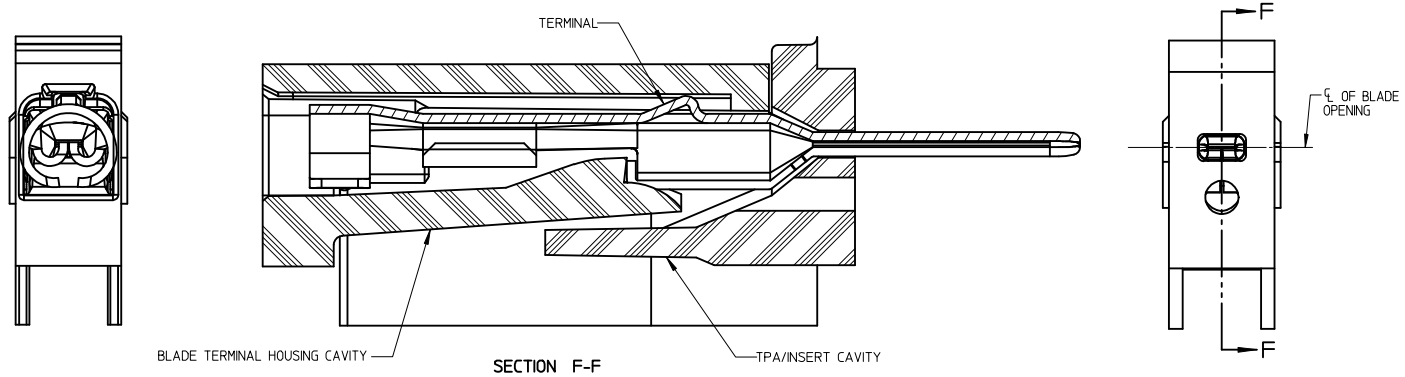
MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-33000-001
SHEET NO.: 4 OF 5

SIZE C







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
DRWN:KFERGUSON 2009/08/19
CHKD:A.DHIR 2009/08/20
APPR:BMOSER
DESCRIPTION
C10
REV

QUALITY SYMBOLS
▼=0
▽C=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
SCALE: 8:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

	DRAWN BY	DATE
	L.PULLIAM	2006/01/31
CHECKED BY		DATE
	A.DHIR	2006/02/01
APPROVED BY		DATE
	B.MOSER	2006/02/02

TITLE: MX150 1.5MM BLADE TERMINAL

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-33000-001
SHEET NO.: 5 OF 5
SIZE: C