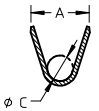
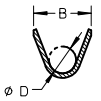
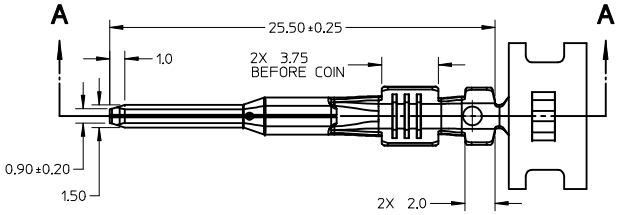
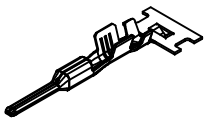


SECTION C-C

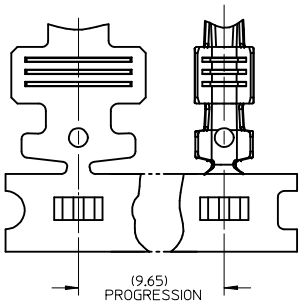


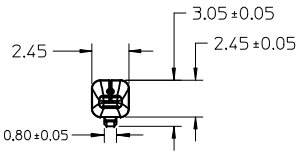
SECTION B-B

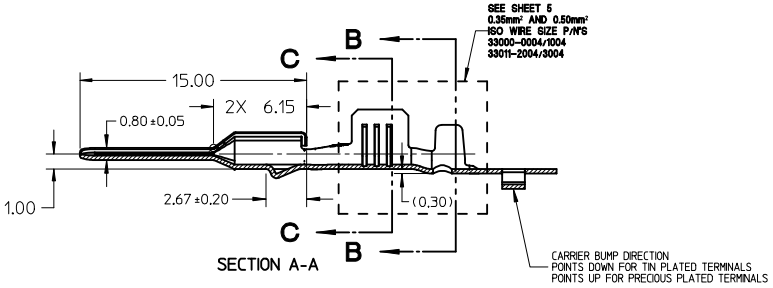




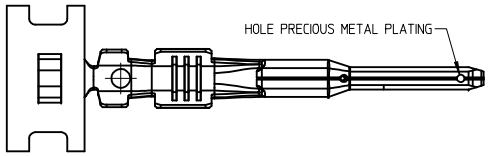
ISO VIEW
SCALE 2:1







SECTION A-A



PRECIOUS METAL PLATED BLADE

TIN PLATED BLADE

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
3. TIN PLATED TERMINAL FINISH:
   OVERALL UNDERPLATE ELECTRODEPOSITED NICKEL
   OVERALL ELECTRODEPOSITED REFLOW TIN
4. GOLD PLATED TERMINAL FINISH
   OVERALL UNDERPLATE ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL
   CONTACT AREA - ELECTRODEPOSITED GOLD
   GRIP AREA - ELECTRODEPOSITED 100% TIN MATTE FINISH
5. 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
6. MEETS CRIMP PERFORMANCE SPECIFICATION SAE/USCAR-21 (8/2001)
7. MEETS PERFORMANCE STANDARD FOR AUTOMOTIVE ELECTRICAL CONNECTOR SYSTEMS SAE/USCAR-2 REV 3 (APRIL 2001)
8. MEETS FIELD CORRELATED LIFE TEST SAE/USCAR-20 (11/2001)
9. MEETS WIRING COMPONENT DESIGN GUIDLINES SAE/USCAR-12 REV 2 (12/2001)
10. MEETS ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) REV 11 (5/2002)
11. REFERENCE PK-31300-516 FOR REEL DIRECTION
12. REFERENCE AS-33000-001 FOR CRIMP INFORMATION

ENTER DESCRIPTION
EC NO: UAU2014-0473
DRWN:BJENNINGS01 2013/10/07
CH'KD:
APPR:BMOSER 2014/01/03
DESCRIPTION
D
REV

QUALITY SYMBOLS
=0
=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: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

FAMILY	GENDER	SEALING	PLATING	PART NUMBER	PAYOFF DIRECTION	GRIP CODE	WIRE SIZES*	A ±0.30	B ±0.30	C ±0.30	D ±0.30	SPECIAL CHARACTERISTICS
MX150	BLADE	MAT SEAL UNSEALED	Sn	33000-0001	RIGHT (B)	14	14AWG 1.50-2.00mm²	3.9	3.8	1.7	1.6	HIGH PERFORMANCE Sn
				33000-1001	LEFT (D)							
				33000-0002	RIGHT (B)	18	20/18/16AWG 0.75-1.00mm²	3.3	3.1	1.3	1.4	
				33000-1002	LEFT (D)							
				33000-0003	RIGHT (B)	22	22AWG	2.5	2.6	0.9	1.0	
				33000-1003	LEFT (D)							
				33000-0004	RIGHT (B)	M3	0.35-0.50mm²	2.5	2.7	0.9	1.54 ±0.1	
				33000-1004	LEFT (D)							
			Au	33011-1002	RIGHT (B)	14	14AWG 1.50-2.00mm²	3.9	3.8	1.7	1.6	HIGH PERFORMANCE Au
				33011-0002	LEFT (D)							
				33011-1004	RIGHT (B)	18	20/18/16AWG 0.75-1.00mm²	3.3	3.1	1.3	1.4	
				33011-0004	LEFT (D)							
				33011-1006	RIGHT (B)	22	22AWG	2.5	2.6	0.9	1.0	
				33011-0006	LEFT (D)							
				33011-1008	RIGHT (B)	M3	0.35-0.50mm²	2.5	2.7	0.9	1.54 ±0.1	
				33011-0008	LEFT (D)							
			Ag	33011-2003	RIGHT (B)	14	14AWG 1.50-2.00mm²	3.9	3.8	1.7	1.6	HIGH PERFORMANCE Ag
				33011-3003	LEFT (D)							
				33011-2002	RIGHT (B)	18	20/18/16AWG 0.75-1.00mm²	3.3	3.1	1.3	1.4	
				33011-3002	LEFT (D)							
				33011-2001	RIGHT (B)	22	22AWG	2.5	2.6	0.9	1.0	
				33011-3001	LEFT (D)							
				33011-2004	RIGHT (B)	M3	0.35-0.50mm²	2.5	2.7	0.9	1.54 ±0.1	
				33011-3004	LEFT (D)							

* REFERENCE AS-33000-001 FOR SPECIFIC WIRE TYPES

ENTER DESCRIPTION
EC NO: UAU2014-0473
DRWN:BJENNINGS01 2013/10/07
CHKD:
APPR:BMOSER 2014/01/03
DESCRIPTION
REV
D

QUALITY SYMBOLS
F1 =0
F2 =0
F3 =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:
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

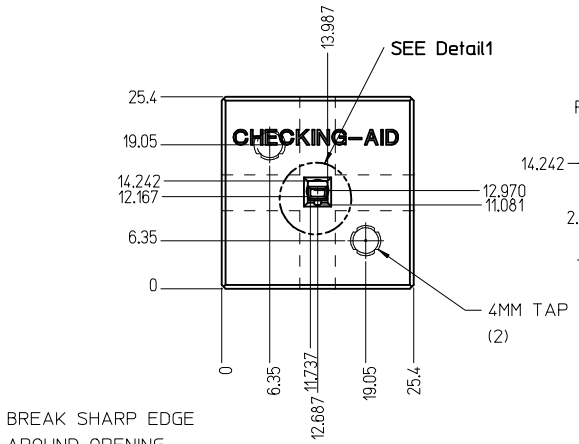
DRAWN BY: L.PULLIAM DATE: 2006/01/31
CHECKED BY: A.DHIR DATE: 2006/02/01
APPROVED BY: B.MOSER DATE: 2006/02/02
MATERIAL NO.: SEE TABLE

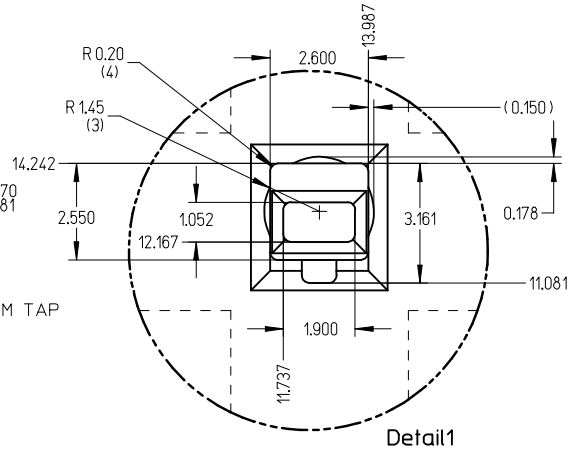
TITLE: MX150 1.5MM BLADE TERMINAL

molex MOLEX INCORPORATED

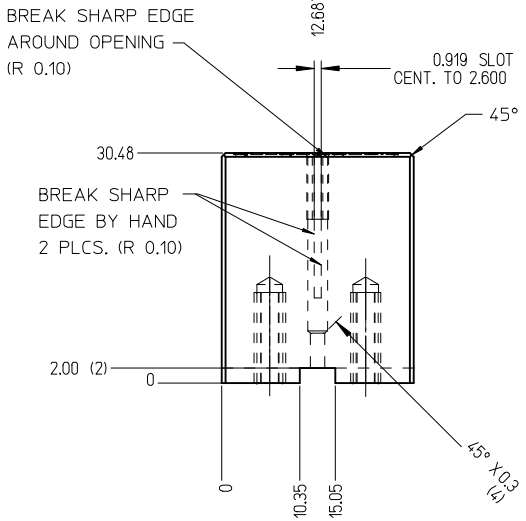
DOCUMENT NO.: SD-33000-001
SHEET NO.: 2 OF 5

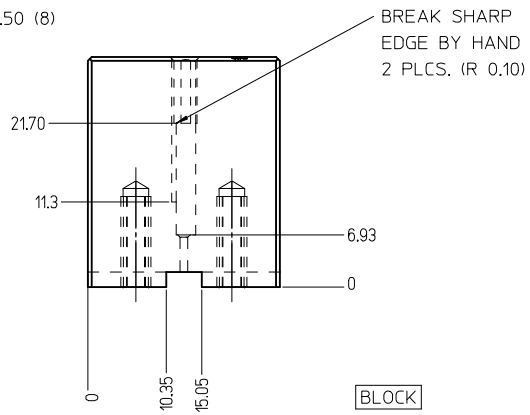
SIZE: C





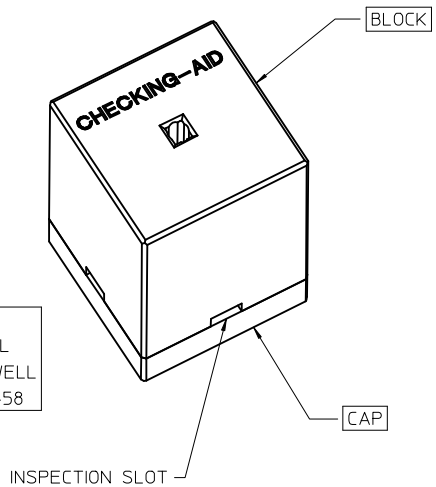
Detail1
SCALE 10:1



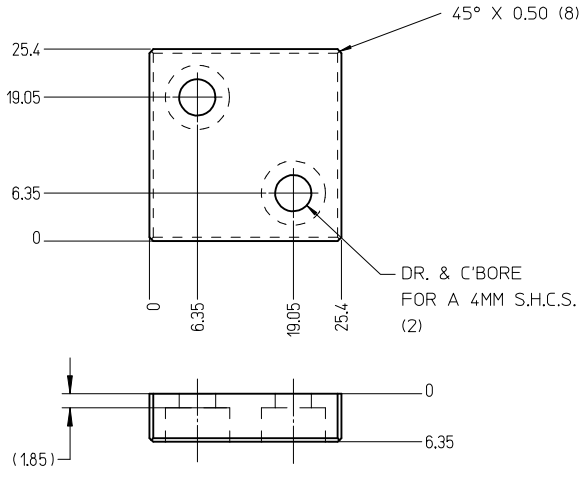


BLOCK

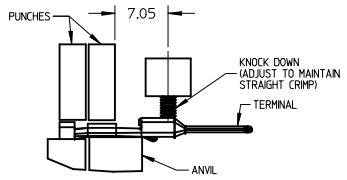
CHECKING-AID
2 PIECE ASM. A2 TOOL STEEL
HARDEN & GRIND TO A ROCKWELL
HARDNESS "C" SCALE OF 56-58



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



CAP



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: UAU2014-0473
DRWN:BJENNINGS01 2013/10/07
CHK'D:
APPR:BMOSER 2014/01/03
DESCRIPTION
REV
D

QUALITY SYMBOLS
E =0
P =0
S =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: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

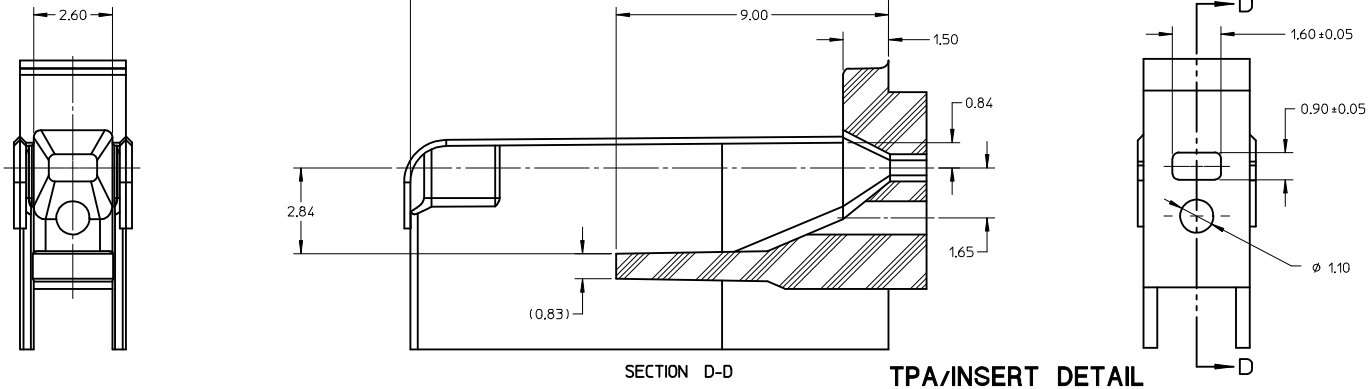
DRAWN BY: L.PULLIAM DATE: 2006/01/31
CHECKED BY: A.DHIR DATE: 2006/02/01
APPROVED BY: B.MOSER DATE: 2006/02/02
MATERIAL NO.: SEE TABLE

TITLE: MX150 1.5MM BLADE TERMINAL

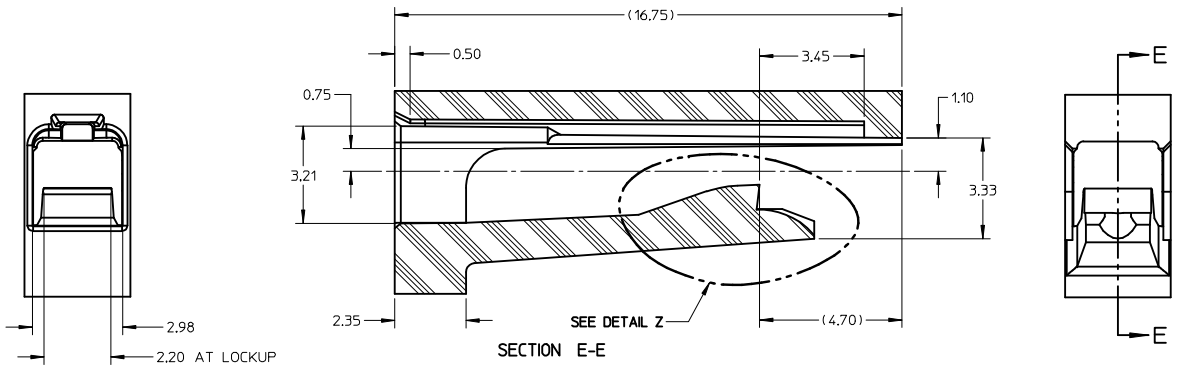
molex MOLEX INCORPORATED

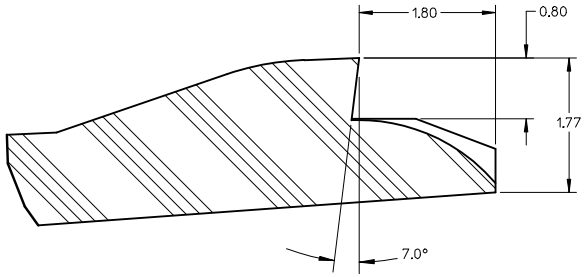
DOCUMENT NO.: SD-33000-001
SHEET NO.: 3 OF 5

SIZE: C



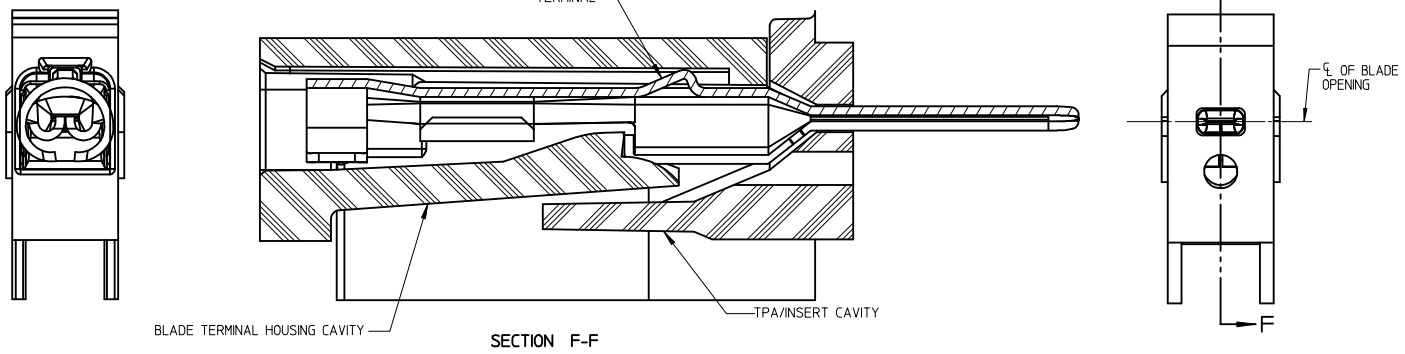
TPA/INSERT DETAIL





DETAIL Z
SCALE 20:1

HOUSING DETAIL



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: UAU2014-0473 2014/01/03
DRWN:BJENNINGS01 2013/10/07
CH'KD:
APPR:BMOSER
DESCRIPTION
D
REV

QUALITY SYMBOLS
F =0
F =0
F =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
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

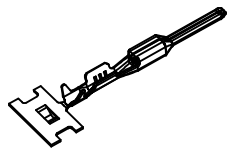
DRAWN BY: L.PULLIAM DATE: 2006/01/31
CHECKED BY: A.DHIR DATE: 2006/02/01
APPROVED BY: B.MOSER DATE: 2006/02/02
MATERIAL NO.: SEE TABLE

TITLE: MX150 1.5MM BLADE TERMINAL

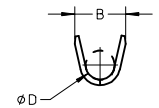
molex MOLEX INCORPORATED

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

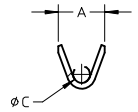
SIZE: C



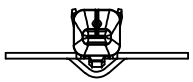
ISO VIEW
SCALE 2:1

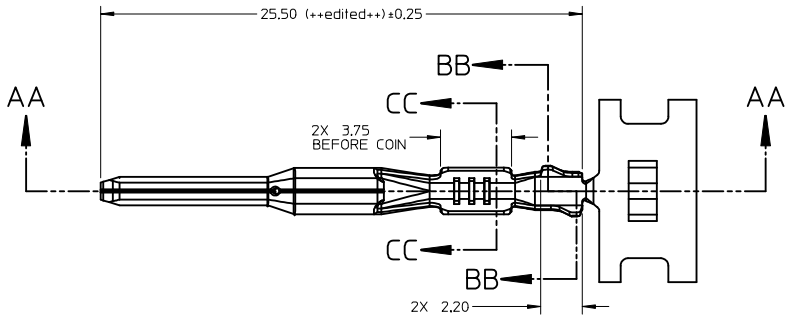


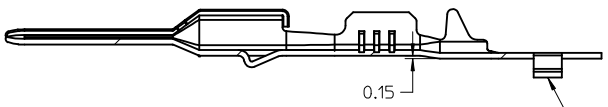
SECTION BB-BB



SECTION CC-CC







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

SECTION AA-AA

P/N'S 33000-0004/1004
33011-2004/3004

ENTER DESCRIPTION
EC NO: UAU2014-0473
DRWN:BJENNINGS01 2013/10/07
CHKD:
APPR:BMOSER 2014/01/03
DESCRIPTION
REV
D

QUALITY SYMBOLS
F =0
E =0
P =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: 5:1
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.: SEE TABLE

TITLE: MX150 1.5MM BLADE TERMINAL

MOLEX INCORPORATED

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

SIZE: C

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Molex:

33000-0002 (Cut Strip) 33000-1002 (Cut Strip) 33000-1002 (Mouser Reel) 33000-0002 (Mouser Reel) 33000-0001 (Cut Strip) 33000-0001 (Mouser Reel) 33000-0003 (Mouser Reel) 33000-1001 (Mouser Reel) 33000-0003 (Cut Strip) 33000-1001 (Cut Strip) 33000-1003 (Loose Piece) 33000-0002 (Loose Piece) 33000-1001 (Loose Piece) 33000-0003 (Loose Piece) 33000-0001 (Loose Piece) 33000-1002 (Loose Piece)