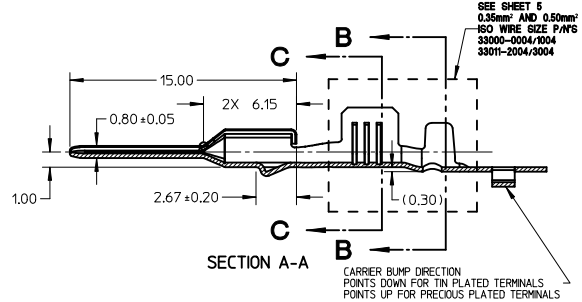
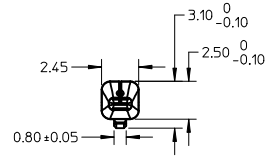
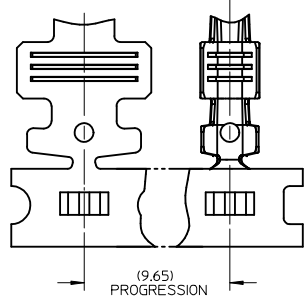
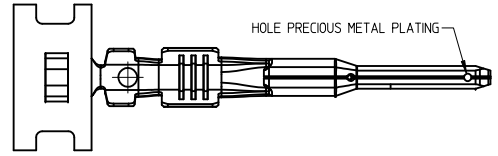


ISO VIEW
SCALE 2:1

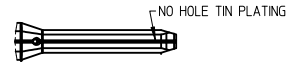


GENERAL NOTES: (UNLESS OTHERWISE SPECIFIED)

- 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
- TIN PLATED TERMINAL FINISH:
OVERALL UNDERPLATE ELECTRODEPOSITED NICKEL
OVERALL ELECTRODEPOSITED REFLOW TIN
- GOLD PLATED TERMINAL FINISH:
OVERALL UNDERPLATE ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL
CONTACT AREA - ELECTRODEPOSITED GOLD
GRIP AREA - ELECTRODEPOSITED 100% TIN MATTE FINISH
- 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
- 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 AS-33000-001 FOR CRIMP INFORMATION



PRECIOUS METAL PLATED BLADE



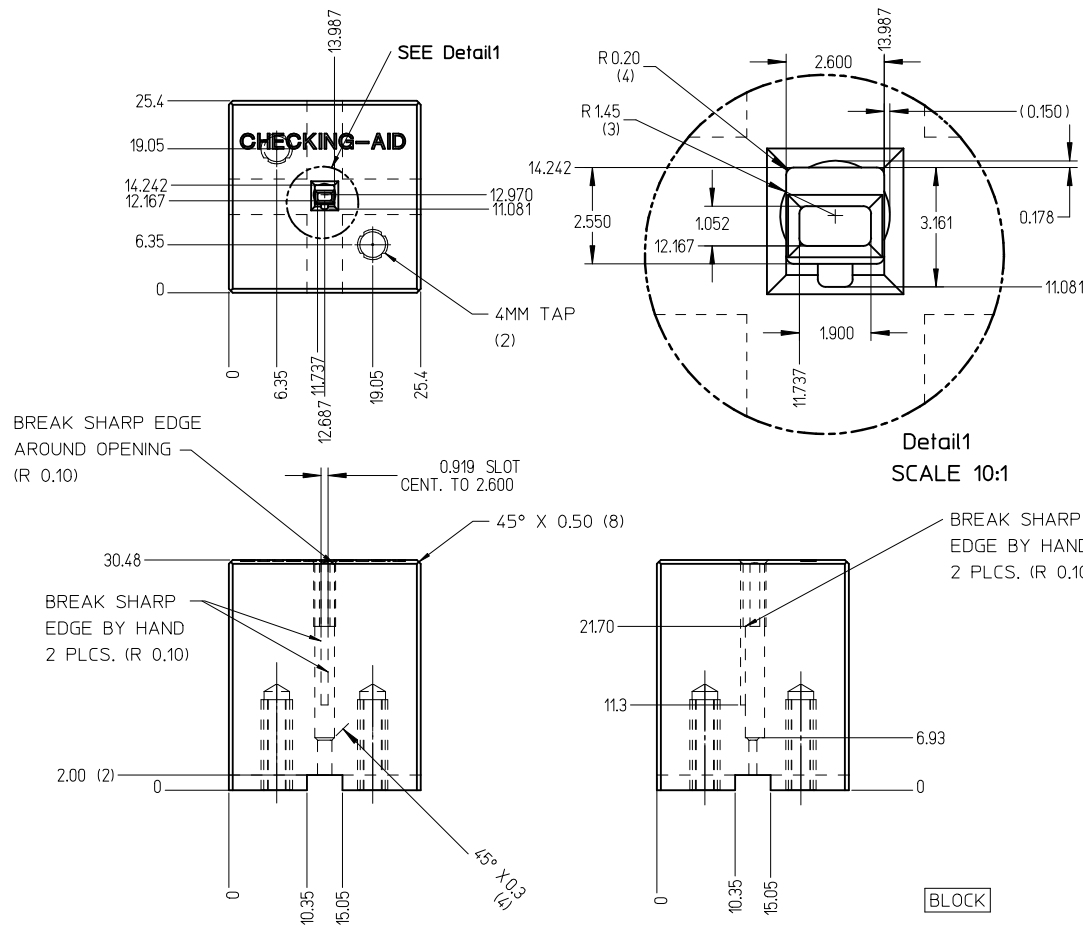
TIN PLATED BLADE

| | | |
|--|-------------|-----------------|
| ENTER DESCRIPTION EC NO: UAU2011-0559 DRWN:YEN05 2011/01/12 CHKD: APPR:BMOSER 2011/01/20 | DESCRIPTION | QUALITY SYMBOLS |
| | DESCRIPTION | ▽=0 |
| | DESCRIPTION | ▽=0 |
| | DESCRIPTION | ▽=0 |

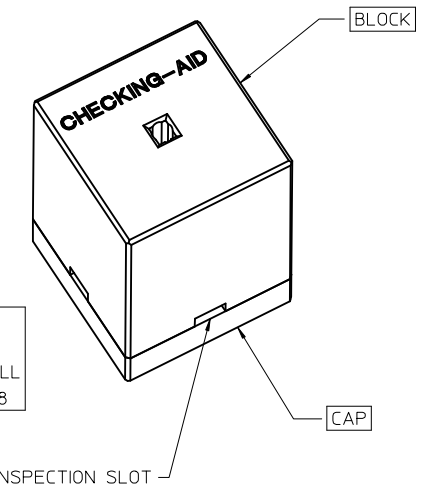
| | |
|--|---------|
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| mm | INCH |
| 4 PLACES ± 0.1 | ± 0.004 |
| 3 PLACES ± 0.1 | ± 0.004 |
| 2 PLACES ± 0.1 | ± 0.004 |
| 1 PLACE ± 0.3 | ± 0.012 |
| ANGULAR ± 3° | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |

| | |
|----------------------------|--------------------|
| DIMENSION STYLE MM ONLY | |
| 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 | |
| SIZE C | |

| | | |
|---|------------------------|------------------------|
| SCALE 4:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
| TITLE MX150 15MM BLADE TERMINAL | | |
| MOLEX INCORPORATED | | SHEET NO. 1 OF 5 |
| DOCUMENT NO. SD-33000-001 | | |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |

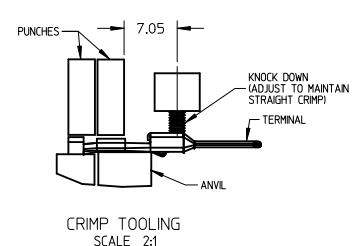
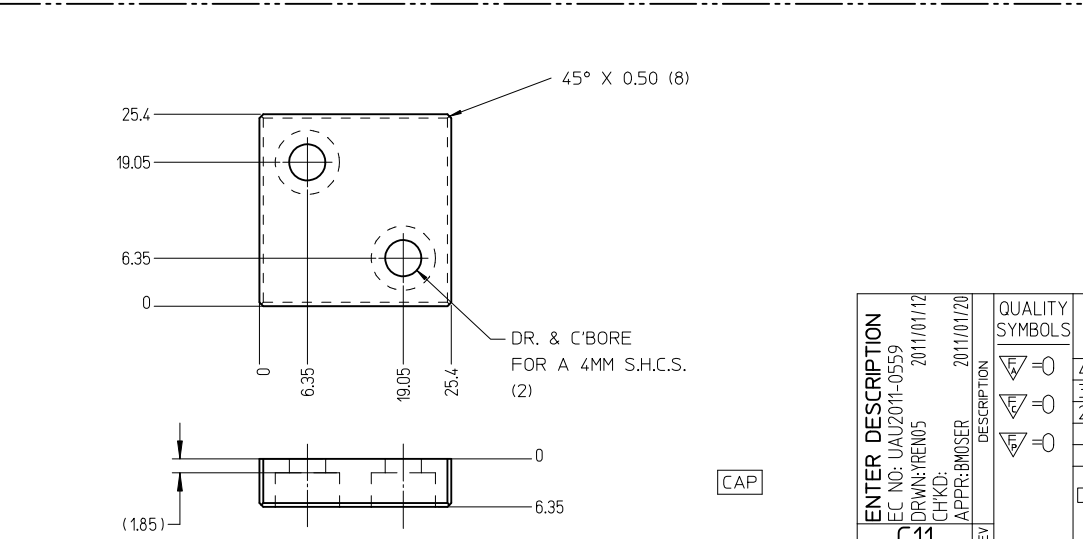


CHECKING-AID
 2 PIECE ASM. A2 TOOL STEEL
 HARDEN & GRIND TO A ROCKWELL
 HARDNESS "C" SCALE OF 56-58



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 STOPPAGE 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 | 2011/01/12 |
| EC NO: UAU2011-0559 | |
| DRWN:YREN05 | 2011/01/12 |
| CHKD: | |
| APPR:BMOSER | 2011/01/20 |
| REV | DESCRIPTION |
| C11 | |

| | |
|-----------------|-----|
| QUALITY SYMBOLS | ▽=0 |
| | ▽=0 |
| | ▽=0 |

GENERAL TOLERANCES (UNLESS SPECIFIED)

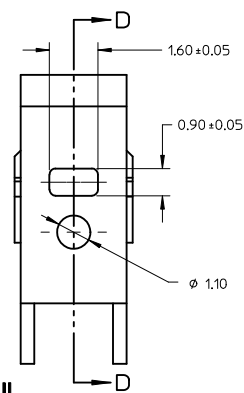
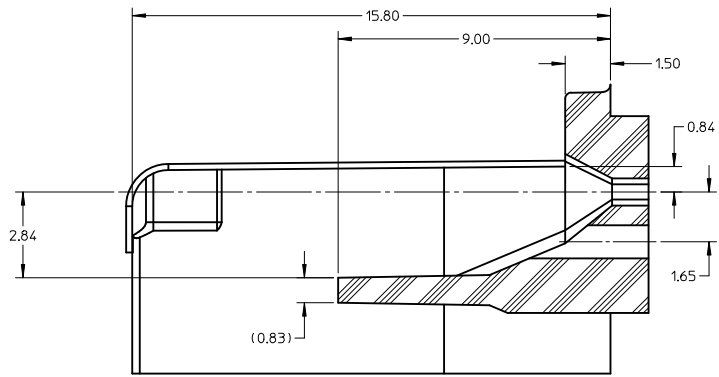
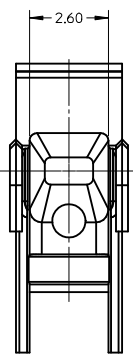
| | mm | INCH |
|----------|--------|---------|
| 4 PLACES | ± .005 | ± .0002 |
| 3 PLACES | ± .001 | ± .0001 |
| 2 PLACES | ± 0.1 | ± .004 |
| 1 PLACE | ± 0.3 | ± .012 |

ANGULAR ± 3°

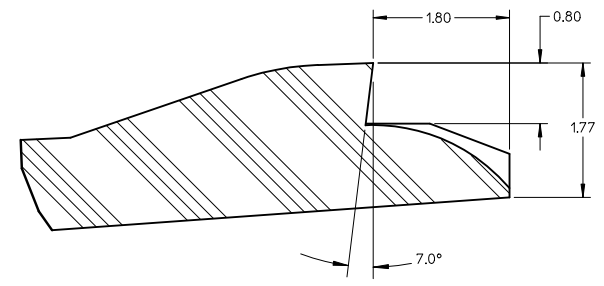
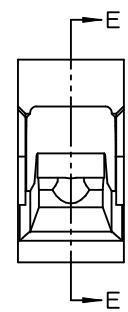
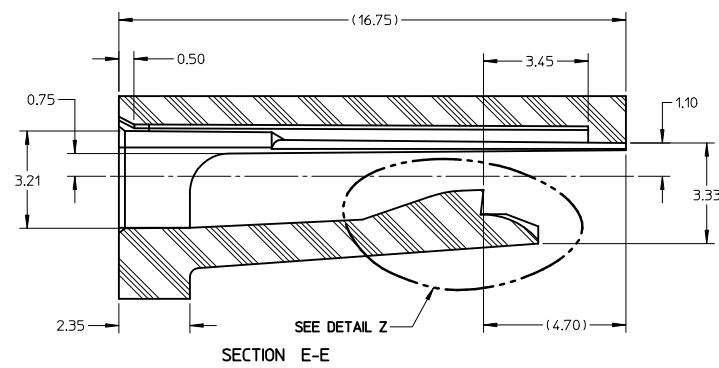
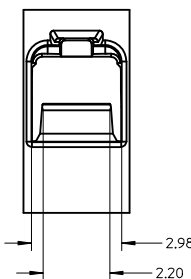
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

| | |
|-----------------|------------|
| 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 | |
| MX150 1.5MM BLADE TERMINAL | |
| MOLEX INCORPORATED | |
| DOCUMENT NO. | SD-33000-001 |
| SHEET NO. | 3 OF 5 |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | |



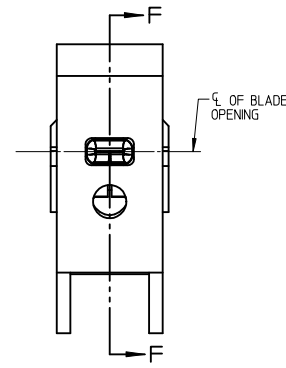
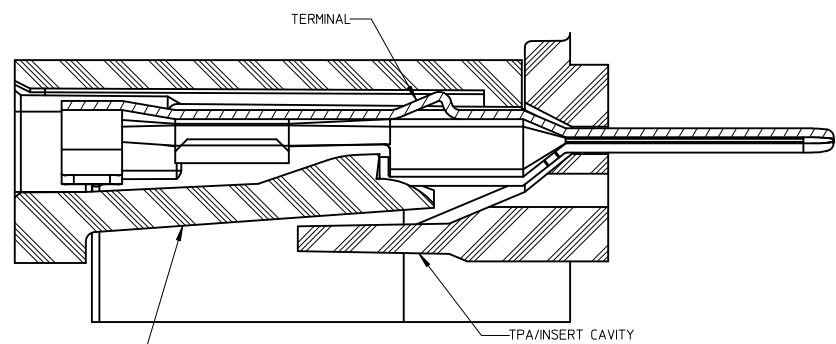
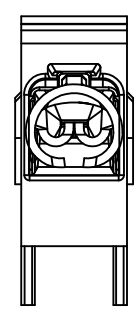
SECTION D-D TPA/INSERT DETAIL



DETAIL Z SCALE 20:1

HOUSING DETAIL

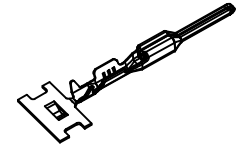
- NOTES: (UNLESS OTHERWISE SPECIFIED)
- TOLERANCES: LINEAR ± 0.10
ANGULAR 3°
 - ALL DRAFT WITHIN TOLERANCE
 - MAX RADI ON ALL CORNERS SHOWN SHARP: 0.10
 - MAX FLASH PERMISSIBLE: 0.1
 - EJECTOR PIN MARKS PERMISSIBLE IF FLUSH TO 0.25 BELOW SURFACE
 - MATERIAL: HOUSING/FINGER SPECIFICATION ENGINEERED FOR 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
 - CAVITY SPEC FOR USE ONLY WITH MOLEX BLADE TERMINAL PART NUMBERS (EXCEPT P/N'S FOR UNSEALED APPLICATIONS) SPECIFIED ELSEWHERE ON THIS DRAWING



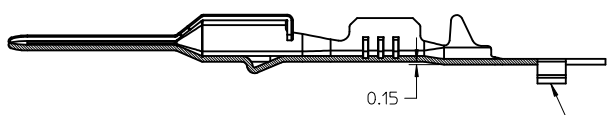
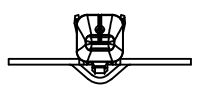
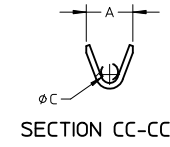
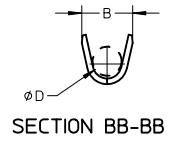
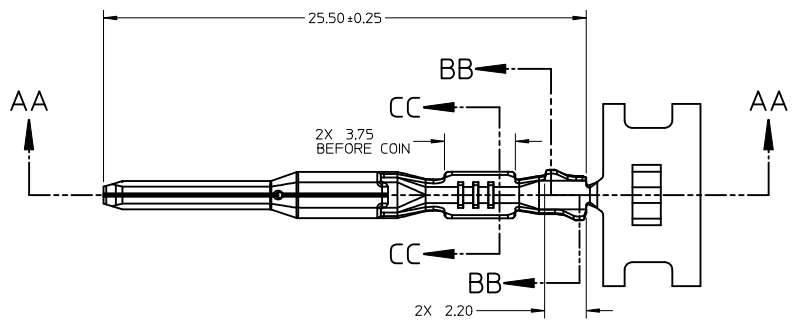
BLADE TERMINAL HOUSING CAVITY SECTION F-F

BLADE CAVITY ASSEMBLY VIEWS

| | | | | | | | | | |
|--|------------------------------------|---|---|---|--|--|--|---------------------------|----------------------------|
| ENTER DESCRIPTION EC NO: UAU2011-0559 DRWNG:REN05 CHKD: APPR:BMOSER 2011/01/12 2011/01/20 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | SCALE METRIC | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | |
| | | 4 PLACES ± 0.1 mm 3 PLACES ± 0.3 mm 2 PLACES ± 0.1 mm 1 PLACE ± 0.3 mm | 4 PLACES ± 0.004 INCH 3 PLACES ± 0.012 INCH 2 PLACES ± 0.004 INCH 1 PLACE ± 0.012 INCH | DRAWN BY L.PULLIAM DATE 2006/01/31 | CHECKED BY A.DHIR DATE 2006/02/01 | TITLE MX150 15MM BLADE TERMINAL | APPROVED BY B.MOSER DATE 2006/02/02 | MOLEX INCORPORATED | SHEET NO. 4 OF 5 |
| | | ANGULAR $\pm 3^\circ$ | | MATERIAL NO. SEE TABLE | DOCUMENT NO. SD-33000-001 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SIZE | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | |



ISO VIEW
SCALE 2:1



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

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

| | | | | | | | | | |
|--|--|--|---|--|--|---------------------------|------------------------------|---------------------|--|
| ENTER DESCRIPTION IEC NO: UAU2011-0559 DRAWN: REN05 2011/01/12 CHKD: APPR: BMOSER REV: C11 | QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) 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 5:1 TITLE MX150 15MM BLADE TERMINAL | DESIGN UNITS METRIC THIRD ANGLE PROJECTION | MATERIAL NO. SEE TABLE | DOCUMENT NO. SD-33000-001 | SHEET NO. 5 OF 5 | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | MOLEX MOLEX INCORPORATED | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |