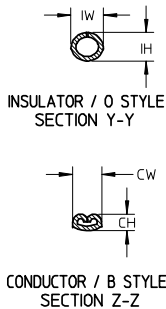
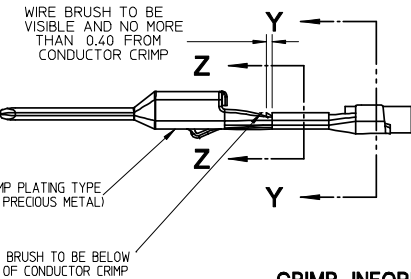


13 12 11 10 9 8 7 6 5 4 3 2 1



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

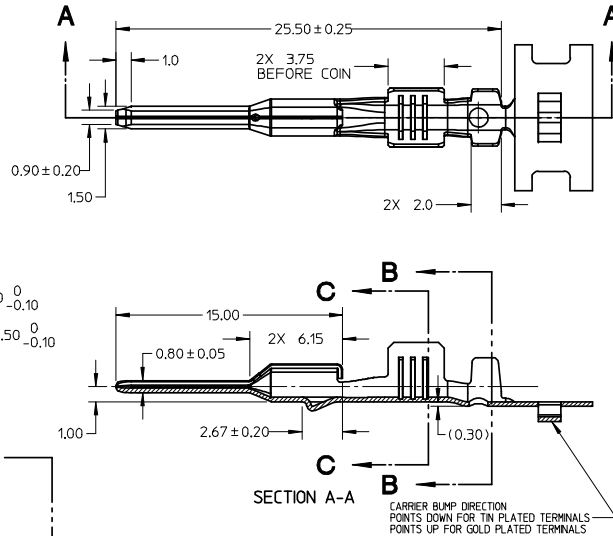
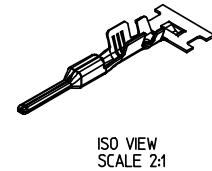
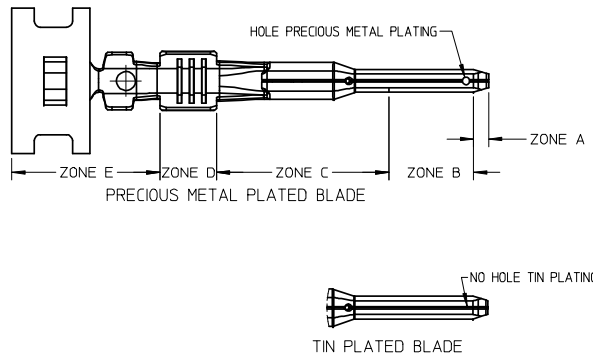
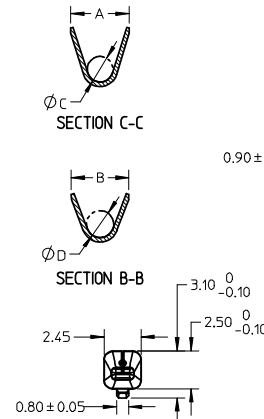
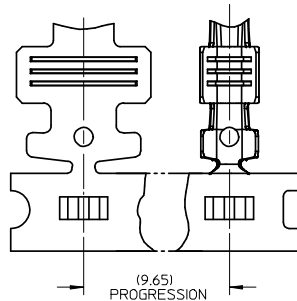
TIN LAYER: ELECTRODEPOSITED 100% TIN, MATTE FINISH THICKNESS 2.5 - 4.0 MICROMETERS

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  $\pm$  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<br>EC NO: UAU2009-0093<br>DRAWN: PULLIAM 2008/07/28<br>CHKD: A. DHIR 2008/07/28<br>APPR: B.MOSER 2008/07/28 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |       | DIMENSION STYLE<br>MM ONLY |                         | SCALE<br>4:1                                                                                                                  | DESIGN UNITS<br>METRIC                                                                                   |  THIRD ANGLE PROJECTION |           |
|                                                                                                                               |             |                                   |                                       | mm    | INCH                       | DRAWN BY<br>L. PULLIAM  | DATE<br>2006/01/31                                                                                                            | TITLE<br>MX150 15MM BLADE<br>TERMINAL                                                                    |                                                                                                              |           |
|                                                                                                                               |             |                                   | 4 PLACES                              | ± --- | ± ---                      | CHECKED BY<br>A. DHIR   | DATE<br>2006/02/01                                                                                                            |                                                                                                          |                                                                                                              |           |
|                                                                                                                               |             |                                   | 3 PLACES                              | ± --- | ± ---                      |                         |                                                                                                                               |                                                                                                          |                                                                                                              |           |
|                                                                                                                               |             |                                   | 2 PLACES                              | ± 0.1 | ± ---                      |                         |                                                                                                                               |                                                                                                          |                                                                                                              |           |
|                                                                                                                               |             |                                   | 1 PLACE                               | ± 0.3 | ± ---                      |                         |                                                                                                                               |                                                                                                          |                                                                                                              |           |
|                                                                                                                               |             |                                   | ANGULAR ± 3 °                         |       |                            | APPROVED BY<br>B. MOSER | DATE<br>2006/02/02                                                                                                            |  MOLEX INCORPORATED |                                                                                                              |           |
|                                                                                                                               |             |                                   |                                       |       |                            | MATERIAL NO.            | DOCUMENT NO.                                                                                                                  |                                                                                                          |                                                                                                              | SHEET NO. |
|                                                                                                                               |             |                                   |                                       |       |                            | SEE TABLE               | SD-33000-001                                                                                                                  |                                                                                                          |                                                                                                              | 1 OF 5    |
|                                                                                                                               |             |                                   |                                       |       |                            | SIZE<br>C               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                          |                                                                                                              |           |

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

| SUPPLIER PART NO.        |                         | 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 |                    |
|--------------------------|-------------------------|----------------|--------------------|------------------|--------------------|-------------|---------------------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------------------|
| B DIRECTION RIGHT PAYOFF | D DIRECTION LEFT PAYOFF |                |                    | SAE (avg)        | WIRE SPECIFICATION | METRIC (mm) |                     |         |         |         |          |          |          |          |          |          |          |          |          |          |          | WIRE SPECIFICATION |
| 33000-0001               | 33000-1001              | 2L1T-14421-DA  | TIN                | 14               | ML-123A/ML-135A1   | 2.0, 15     | ML-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              | 2L1T-14421-CA  | TIN                | 16               | ML-123A            | -           | ML-126A1            | 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               | ML-123A            | 10, 0.75    | ML-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 (IGXL)   | -           |                     | 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               | ML-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 (IGXL)   | -           |                     | 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              | 2L1T-14421-BA  | TIN                | 22               | ML-123A            | 0.5         | ML-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*             | 2L1T-14421-BA* | TIN                | -                |                    | 0.35        | WSK-1A3A8-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*             | 4L21-14421-AA* | TIN                | -                |                    | 0.35 ± 0.35 | ML-126A1            | 1.80    | 1.80    | 1.80    | 1.80     | 1.80     | 1.80     | 1.80     | 1.80     | 1.80     | 1.80     | 1.80     | 1.80     | 1.80     | 1.80     | 1.80               |
| 33000-0024*              | 33000-1024*             | 4L21-14421-AA* | TIN                | -                |                    | 0.35 ± 0.50 | ML-126A1            | 1.80    | 1.80    | 1.80    | 1.80     | 1.80     | 1.80     | 1.80     | 1.80     | 1.80     | 1.80     | 1.80     | 1.80     | 1.80     | 1.80     | 1.80               |
| 33011-1002               | 33011-0002              | 2L1T-14421-GA  | GOLD               | 14               | ML-123A/ML-135A1   | 2.0, 15     | ML-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              | 2L1T-14421-FA  | GOLD               | 16               | ML-123A            | -           | ML-126A1            | 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               | ML-123A            | 10, 0.75    | ML-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 (IGXL)   | -           |                     | 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               | ML-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 (IGXL)   | -           |                     | 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              | 2L1T-14421-EA  | GOLD               | 22               | ML-123A            | 0.5         | ML-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*             | 2L1T-14421-EA* | GOLD               | -                |                    | 0.35        | WSK-1A3A8-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               | ML-123A/ML-135A1   | 2.0, 15     | ML-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               | ML-123A            | -           | ML-126A1            | 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               | ML-123A            | 10, 0.75    | ML-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 (IGXL)   | -           |                     | 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               | ML-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 (IGXL)   | -           |                     | 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               | ML-123A            | 0.5         | ML-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-1A3A8-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.           |                            | FORD<br>PART NO. | PLATING | WIRE SIZE            | WIRE<br>SPECIFICATION | CONDUCTOR<br>CH (SET 1-2)<br>0.010 in | CONDUCTOR<br>CW (SET 3-4)<br>0.010 in | INSULATOR<br>IH (SET 1-Y)<br>0.010 in | INSULATOR<br>IW (SET 1-Y)<br>0.010 in | WIRE FULL<br>FORCE (IN) |
|-----------------------------|----------------------------|------------------|---------|----------------------|-----------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|-------------------------|
| B DIRECTION<br>RIGHT PAYOFF | D DIRECTION<br>LEFT PAYOFF |                  |         |                      |                       |                                       |                                       |                                       |                                       |                         |
| 33000-0001                  | 33000-1001                 | 2L1T-14421-DA    | TIN     | 14 awg               | ML-123A               | 1.65                                  | 2.45                                  | 2.85                                  | 2.75                                  | 339                     |
|                             |                            |                  |         |                      | ML-135A1              | 1.65                                  | 2.45                                  | 2.80                                  | 2.80                                  | 339                     |
|                             |                            |                  |         |                      | ML-123A               | 1.35                                  | 2.15                                  | 2.20                                  | 2.60                                  | 215                     |
| 33000-0002                  | 33000-1002                 | 2L1T-14421-CA    | TIN     | 18 awg               | SAE J1228 (GXL)       | 1.25                                  | 2.15                                  | 2.30                                  | 2.60                                  | 158                     |
|                             |                            |                  |         |                      | ML-123A               | 1.15                                  | 2.15                                  | 1.90                                  | 2.10                                  | 113                     |
|                             |                            |                  |         |                      | SAE J1228 (GXL)       | 1.15                                  | 2.15                                  | 2.00                                  | 2.30                                  | 105                     |
| 33000-0003                  | 33000-1003                 | 2L1T-14421-BA    | TIN     | 22 awg               | ML-123A               | 1.00                                  | 1.60                                  | 1.85                                  | 1.90                                  | 62                      |
| 33000-0001                  | 33000-1001                 | 2L1T-14421-DA    | TIN     | 18 awg               | JASO D 611 (AVSSI)    | 1.60                                  | 2.45                                  | 2.85                                  | 2.75                                  | 339                     |
|                             |                            |                  |         |                      | ML-126A1              | 1.40                                  | 2.25                                  | 2.65                                  | 2.80                                  | 177                     |
|                             |                            |                  |         |                      | 10 mm <sup>2</sup>    | ML-126A1                              | 1.30                                  | 2.15                                  | 2.00                                  | 2.30                    |
| 33000-0002                  | 33000-1002                 | 2L1T-14421-CA    | TIN     | 0.75 mm <sup>2</sup> | ML-126A1              | 1.25                                  | 2.15                                  | 1.95                                  | 2.30                                  | 145                     |
|                             |                            |                  |         |                      | ML-126A1              | 1.10                                  | 1.60                                  | 1.80                                  | 1.90                                  | 82                      |
|                             |                            |                  |         |                      | JASO D 611 (AVSSI)    | 1.00                                  | 1.60                                  | 1.85                                  | 1.90                                  | 100                     |
| 33000-0003                  | 33000-1003                 | 2L1T-14421-BA    | TIN     | 0.5 mm <sup>2</sup>  | ML-126A1              | 1.10                                  | 1.60                                  | 1.80                                  | 1.90                                  | 82                      |
| 33000-0003                  | 33000-1003                 | 2L1T-14421-BA*   | TIN     | 0.35 mm <sup>2</sup> | WSK-1A348-A2          | 0.95                                  | 1.60                                  | 1.70                                  | 1.90                                  | 50                      |
| 33000-0024                  | 33000-1024                 | 4L2T-14421-AA*   | TIN     | 0.35 + 0.35          | ML-126A1              | 1.80                                  | 1.80                                  | 1.80                                  | 1.80                                  | 180                     |
| 33000-0024                  | 33000-1024                 | 4L2T-14421-AA*   | TIN     | 0.35 + 0.50          | ML-126A1              | 1.80                                  | 1.80                                  | 1.80                                  | 1.80                                  | 180                     |
| 33011-1002                  | 33011-0002                 | 2L1T-14421-GA    | GOLD    | 14 awg               | ML-123A               | 1.65                                  | 2.45                                  | 2.85                                  | 2.75                                  | 339                     |
|                             |                            |                  |         |                      | ML-135A1              | 1.65                                  | 2.45                                  | 2.80                                  | 2.80                                  | 339                     |
|                             |                            |                  |         |                      | ML-123A               | 1.35                                  | 2.15                                  | 2.20                                  | 2.60                                  | 215                     |
| 33011-1004                  | 33011-0004                 | 2L1T-14421-FA    | GOLD    | 18 awg               | SAE J1228 (GXL)       | 1.25                                  | 2.15                                  | 2.30                                  | 2.60                                  | 158                     |
|                             |                            |                  |         |                      | ML-123A               | 1.15                                  | 2.15                                  | 1.90                                  | 2.10                                  | 113                     |
|                             |                            |                  |         |                      | SAE J1228 (GXL)       | 1.15                                  | 2.15                                  | 2.00                                  | 2.30                                  | 105                     |
| 33011-1006                  | 33011-0006                 | 2L1T-14421-EA    | GOLD    | 22 awg               | ML-123A               | 1.00                                  | 1.60                                  | 1.85                                  | 1.90                                  | 62                      |
| 33011-1002                  | 33011-0002                 | 2L1T-14421-GA    | GOLD    | 18 awg               | JASO D 611 (AVSSI)    | 1.60                                  | 2.45                                  | 2.85                                  | 2.75                                  | 339                     |
|                             |                            |                  |         |                      | ML-126A1              | 1.40                                  | 2.25                                  | 2.65                                  | 2.80                                  | 177                     |
|                             |                            |                  |         |                      | 10 mm <sup>2</sup>    | ML-126A1                              | 1.30                                  | 2.15                                  | 2.00                                  | 2.30                    |
| 33011-1004                  | 33011-0004                 | 2L1T-14421-FA    | GOLD    | 0.75 mm <sup>2</sup> | ML-126A1              | 1.25                                  | 2.15                                  | 1.95                                  | 2.30                                  | 145                     |
|                             |                            |                  |         |                      | ML-126A1              | 1.10                                  | 1.60                                  | 1.80                                  | 1.90                                  | 82                      |
|                             |                            |                  |         |                      | JASO D 611 (AVSSI)    | 1.00                                  | 1.60                                  | 1.85                                  | 1.90                                  | 100                     |
| 33011-1006                  | 33011-0006                 | 2L1T-14421-EA    | GOLD    | 0.5 mm <sup>2</sup>  | ML-126A1              | 1.10                                  | 1.60                                  | 1.80                                  | 1.90                                  | 82                      |
| 33011-1006                  | 33011-0006                 | 2L1T-14421-EA*   | GOLD    | 0.35 mm <sup>2</sup> | WSK-1A348-A2          | 0.95                                  | 1.60                                  | 1.75                                  | 1.90                                  | 50                      |
| 33011-2003                  | 33011-0003                 | 7U5T-14421-CA    | SILVER  | 14 awg               | ML-123A               | 1.65                                  | 2.45                                  | 2.80                                  | 2.75                                  | 339                     |
|                             |                            |                  |         |                      | ML-135A1              | 1.65                                  | 2.45                                  | 2.80                                  | 2.80                                  | 339                     |
|                             |                            |                  |         |                      | ML-123A               | 1.35                                  | 2.15                                  | 2.20                                  | 2.60                                  | 215                     |
| 33011-2002                  | 33011-0002                 | 7U5T-14421-BA    | SILVER  | 18 awg               | SAE J1228 (GXL)       | 1.25                                  | 2.15                                  | 2.30                                  | 2.60                                  | 158                     |
|                             |                            |                  |         |                      | ML-123A               | 1.15                                  | 2.15                                  | 1.90                                  | 2.10                                  | 113                     |
|                             |                            |                  |         |                      | SAE J1228 (GXL)       | 1.15                                  | 2.15                                  | 2.00                                  | 2.30                                  | 105                     |
| 33011-2001                  | 33011-0001                 | 7U5T-14421-AA    | SILVER  | 22 awg               | ML-123A               | 1.00                                  | 1.60                                  | 1.85                                  | 1.90                                  | 62                      |
| 33011-2003                  | 33011-0003                 | 7U5T-14421-CA    | SILVER  | 18 awg               | JASO D 611 (AVSSI)    | 1.60                                  | 2.45                                  | 2.85                                  | 2.75                                  | 339                     |
|                             |                            |                  |         |                      | ML-126A1              | 1.40                                  | 2.25                                  | 2.65                                  | 2.80                                  | 177                     |
|                             |                            |                  |         |                      | 10 mm <sup>2</sup>    | ML-126A1                              | 1.30                                  | 2.15                                  | 2.00                                  | 2.30                    |
| 33011-2002                  | 33011-0002                 | 7U5T-14421-BA    | SILVER  | 0.75 mm <sup>2</sup> | ML-126A1              | 1.25                                  | 2.15                                  | 1.95                                  | 2.30                                  | 145                     |
|                             |                            |                  |         |                      | ML-126A1              | 1.10                                  | 1.60                                  | 1.80                                  | 1.90                                  | 82                      |
|                             |                            |                  |         |                      | JASO D 611 (AVSSI)    | 1.00                                  | 1.60                                  | 1.85                                  | 1.90                                  | 100                     |
| 33011-2001                  | 33011-0001                 | 7U5T-14421-AA    | SILVER  | 0.5 mm <sup>2</sup>  | ML-126A1              | 1.10                                  | 1.60                                  | 1.80                                  | 1.90                                  | 82                      |
| 33011-2001                  | 33011-0001                 | 7U5T-14421-AA*   | SILVER  | 0.35 mm <sup>2</sup> | WSK-1A348-A2          | 0.95                                  | 1.60                                  | 1.70                                  | 1.90                                  | 50                      |

\* UNSEALED APPLICATIONS ONLY

| ENTER DESCRIPTION   | 2008/07/28 | 2008/07/28 | 2008/07/28 |
|---------------------|------------|------------|------------|
| EC NO: UAU2009-0093 |            |            |            |
| DRWN: L PULLIAM     |            |            |            |
| CH'KD: A. DHIR      |            |            |            |
| APPR: RMOSER        |            |            |            |

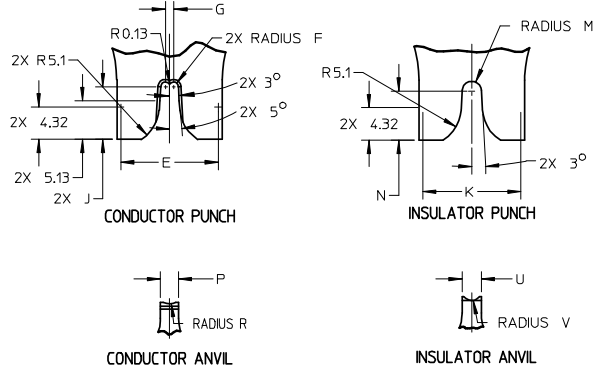
| REV | DESCRIPTION | QUALITY SYMBOLS                                                                                                                                                                        |
|-----|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |             |  = 0<br> = 0 |

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

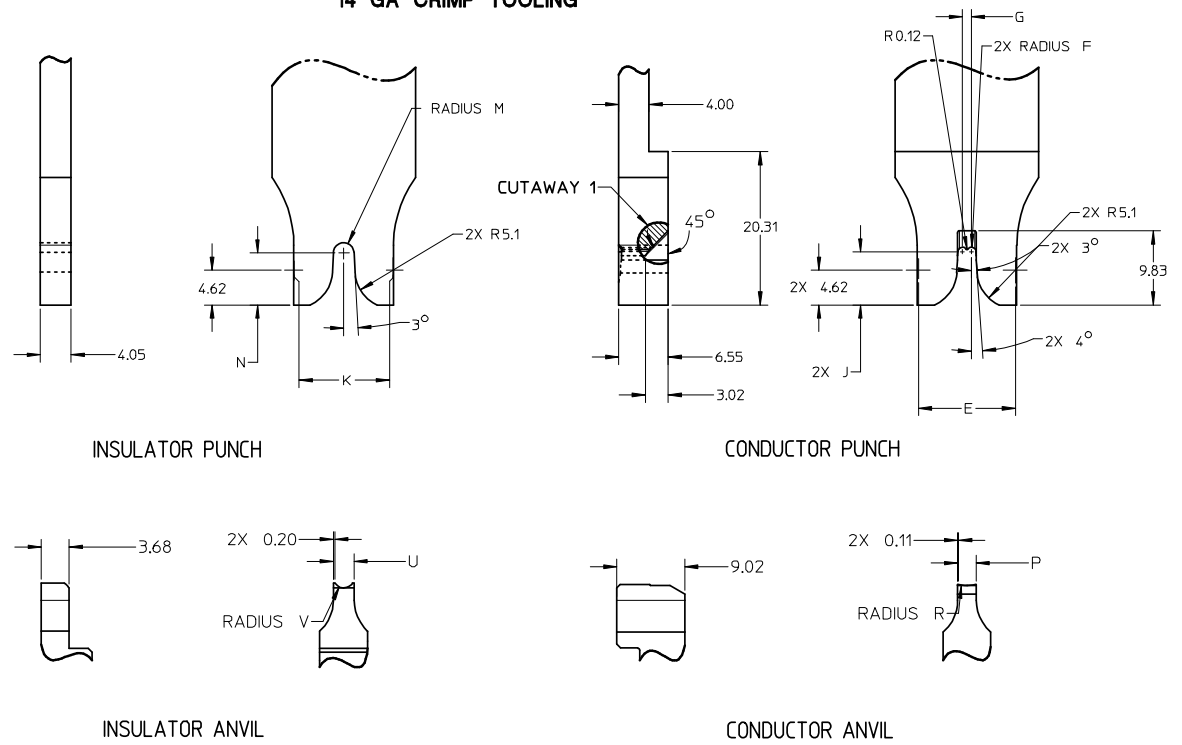
|                 |                                      |
|-----------------|--------------------------------------|
| DIMENSION STYLE |                                      |
| MM ONLY         |                                      |
| DRAWN BY        | DATE                                 |
| L. PULLIAM      | 2006/01/3                            |
| CHECKED BY      | DATE                                 |
| A. DHIR         | 2006/02/0                            |
| APPROVED BY     | DATE                                 |
| B. MOSER        | 2006/02/0                            |
| MATERIAL NO.    |                                      |
| 9999999999      |                                      |
| SIZE            | THIS DRAWING NOT<br>INCORPORATED AND |

|                                                                                                |                                                                                                          |                                                                                                                 |
|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| SCALE<br>1:1                                                                                   | DESIGN UNITS<br>METRIC                                                                                   |  THIRD ANGLE<br>PROJECTION |
| TITLE                                                                                          | MX150 15MM BLADE<br>TERMINAL                                                                             |                                                                                                                 |
| 1                                                                                              |                                                                                                          |                                                                                                                 |
| 1                                                                                              |                                                                                                          |                                                                                                                 |
| 2                                                                                              |  MOLEX INCORPORATED |                                                                                                                 |
| DOCUMENT NO.                                                                                   | SD-33000-001                                                                                             | SHEET NO.<br>2 OF 5                                                                                             |
| THIS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                          |                                                                                                                 |

**CRIMP TOOL INFORMATION  
EXCEPT 14 GA**

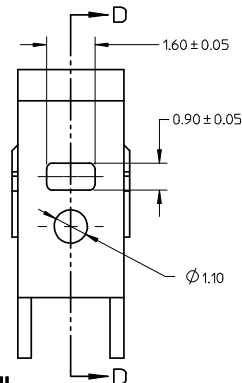
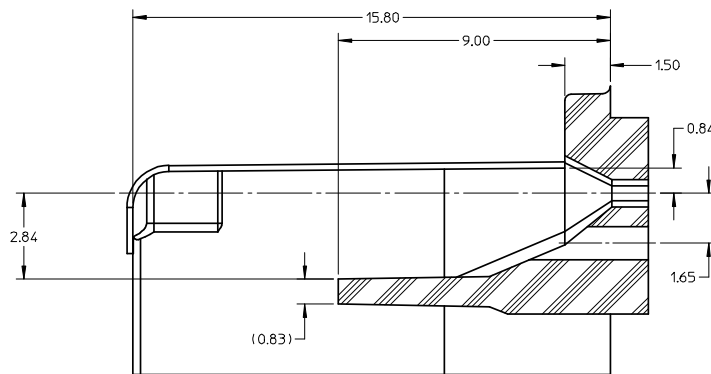
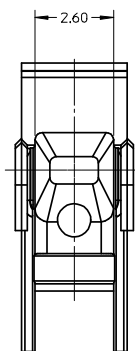


**14 GA CRIMP TOOLING**



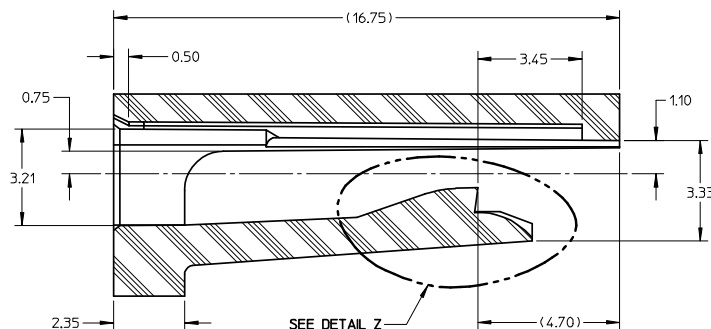
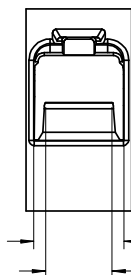
|                                                                                                                                     |                                      |                                              |       |                                          |                                                                                                                               |                                      |                               |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------|-------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------|
| <b>ENTER DESCRIPTION</b><br>EC NO: UAU2009-0093<br>DRAWN: PULLIAM 2008/07/28<br>CHKD: A.DHIR 2008/07/28<br>APPR: B.MOSER 2008/07/28 | <b>QUALITY SYMBOLS</b><br>▽=0<br>▽=0 | <b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b> |       | <b>DIMENSION STYLE</b><br><b>MM ONLY</b> | <b>SCALE</b><br><b>2:1</b>                                                                                                    | <b>DESIGN UNITS</b><br><b>METRIC</b> | <b>THIRD ANGLE PROJECTION</b> |
|                                                                                                                                     |                                      | mm                                           | INCH  | DRAWN BY: L.PULLIAM<br>DATE: 2006/01/31  | <b>TITLE</b><br><b>MX150 1.5MM BLADE TERMINAL</b>                                                                             |                                      |                               |
|                                                                                                                                     |                                      | 4 PLACES ± ---                               | ± --- | CHECKED BY: A.DHIR<br>DATE: 2006/02/01   |                                                                                                                               |                                      |                               |
|                                                                                                                                     |                                      | 3 PLACES ± ---                               | ± --- | APPROVED BY: B.MOSER<br>DATE: 2006/02/02 |                                                                                                                               |                                      |                               |
| <b>REV</b><br>C9                                                                                                                    | <b>DESCRIPTION</b>                   | 2 PLACES ± 0.1<br>1 PLACE ± 0.3              |       | MATERIAL NO.<br><b>SEE TABLE</b>         | <b>MOLEX INCORPORATED</b><br>DOCUMENT NO. SD-33000-001                                                                        |                                      |                               |
|                                                                                                                                     |                                      | ANGULAR ± 3 °                                |       | SIZE C                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                      |                               |





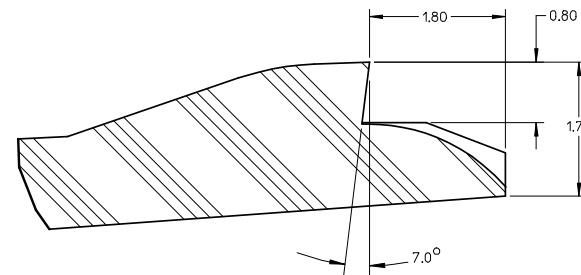
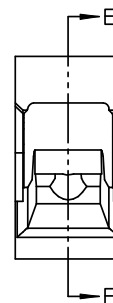
SECTION D-D

TPA/INSERT DETAIL

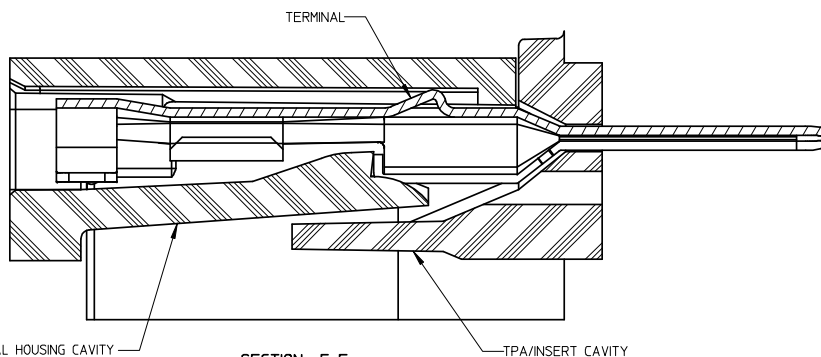
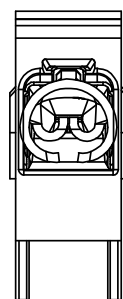


SECTION E-E

HOUSING DETAIL

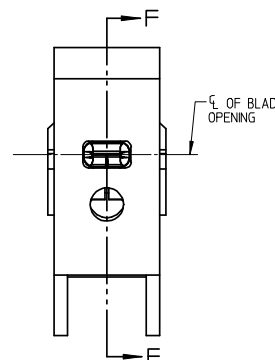


DETAIL Z  
SCALE 20:1



SECTION F-F

BLADE CAVITY ASSEMBLY VIEWS



NOTES: (UNLESS OTHERWISE SPECIFIED)

1. TOLERANCES: LINEAR  $\pm 0.10$   
ANGULAR  $3^\circ$
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: UAU2009-0093  
DRAWN: PULLIAM 2008/07/28  
CHKD: A.DHIR 2008/07/28  
APPR: BMOSE 2008/07/28

QUALITY SYMBOLS  
▽=0  
▽=0

| GENERAL TOLERANCES (UNLESS SPECIFIED) |             |
|---------------------------------------|-------------|
| mm                                    | INCH        |
| 4 PLACES $\pm 0.1$                    | $\pm 0.004$ |
| 3 PLACES $\pm 0.1$                    | $\pm 0.004$ |
| 2 PLACES $\pm 0.1$                    | $\pm 0.004$ |
| 1 PLACE $\pm 0.3$                     | $\pm 0.012$ |
| ANGULAR $\pm 3^\circ$                 |             |

| DIMENSION STYLE<br>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<br>8:1                                                                                                                  | DESIGN UNITS<br>METRIC       |  THIRD ANGLE<br>PROJECTION |
| TITLE                                                                                                                         | MX150 15MM BLADE<br>TERMINAL |                                                                                                                 |
| MOLEX INCORPORATED                                                                                                            |                              |                                                                                                                 |
| DOCUMENT NO.<br>SD-33000-001                                                                                                  | SHEET NO.<br>5 OF 5          |                                                                                                                 |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                              |                                                                                                                 |