

NOTES:

1. MATERIALS:

HOUSING: GLASS-FILLED LIQUID CRYSTAL POLYMER (LCP), UL94 V-0, COLOR: BLACK  
TAIL ALIGNER: GLASS-FILLED LIQUID CRYSTAL POLYMER (LCP),  
TERMINAL: PHOSPHOR BRONZE  
BRACKET: BRASS  
SHELL: STEEL  
INSERT: BRASS

2. FINISHES:

TERMINAL: 0.05-0.25 MICROMETERS GOLD FLASH IN CRITICAL AREA  
OVER 0.75 MICROMETERS MINIMUM PALLADIUM NICKEL IN  
CRITICAL AREA. 1.87 MICROMETERS MINIMUM TIN IN  
SOLDER TAIL AREA OVER A NICKEL UNDERPLATE.  
SHIELD: 3.8 MICROMETERS MINIMUM BRIGHT TIN OVER NICKEL.  
INSERT: 2.54 MICROMETERS MINIMUM NICKEL.

3. PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-71425-9999.

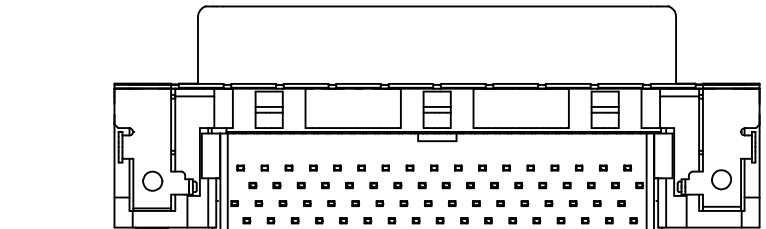
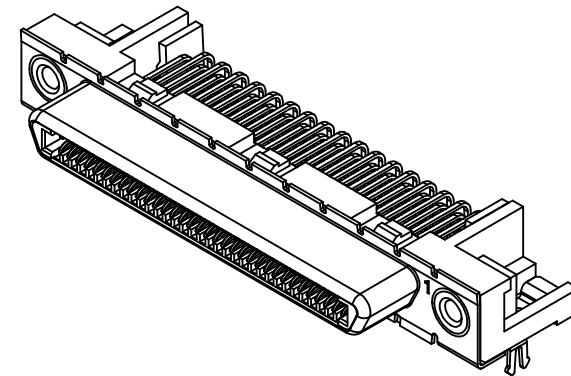
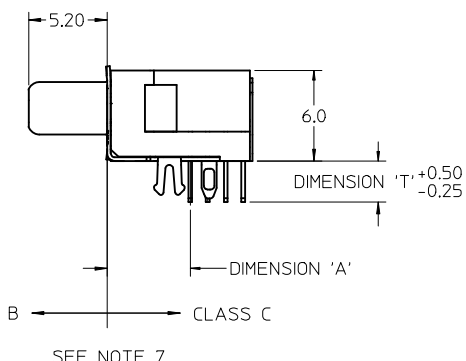
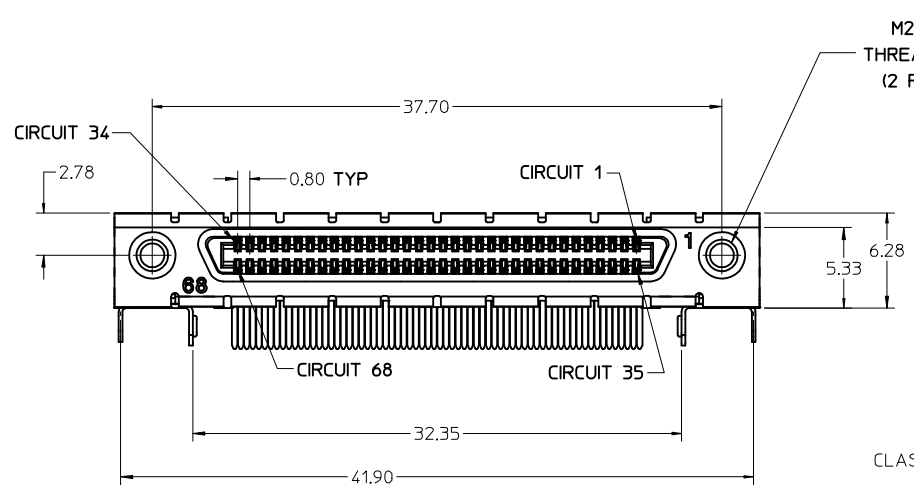
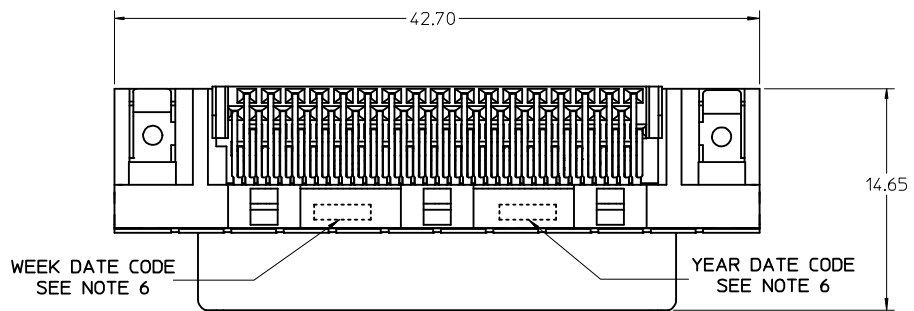
4. PACKAGED PER PK-71430-0101.

5. APPLICABLE STANDARDS: EIA-3652 AND SFF-8441.

6. DATE CODE: YR/WK PER EIA-476-A.

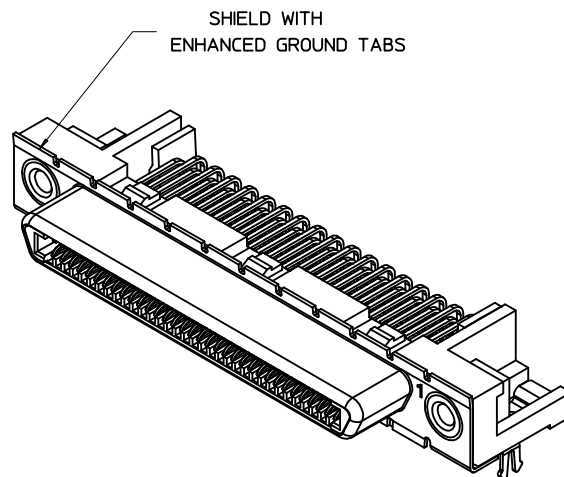
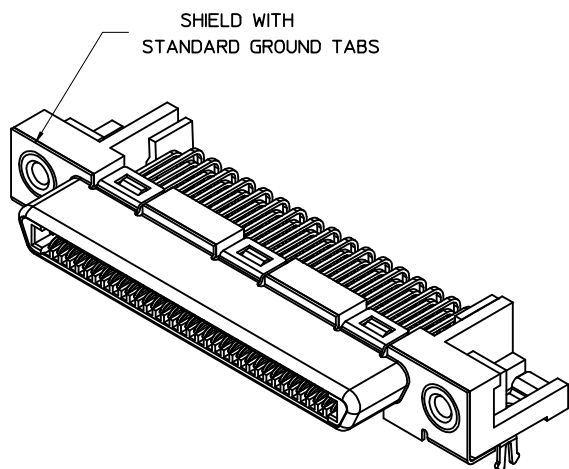
7. PRODUCT COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002.  
SEE SIDE VIEW FOR SURFACE CLASSIFICATIONS.

8. TORQUE TO INSTALL SCREWLOCKS INTO THREADED INSERTS:  
0.34 Nm MAXIMUM.



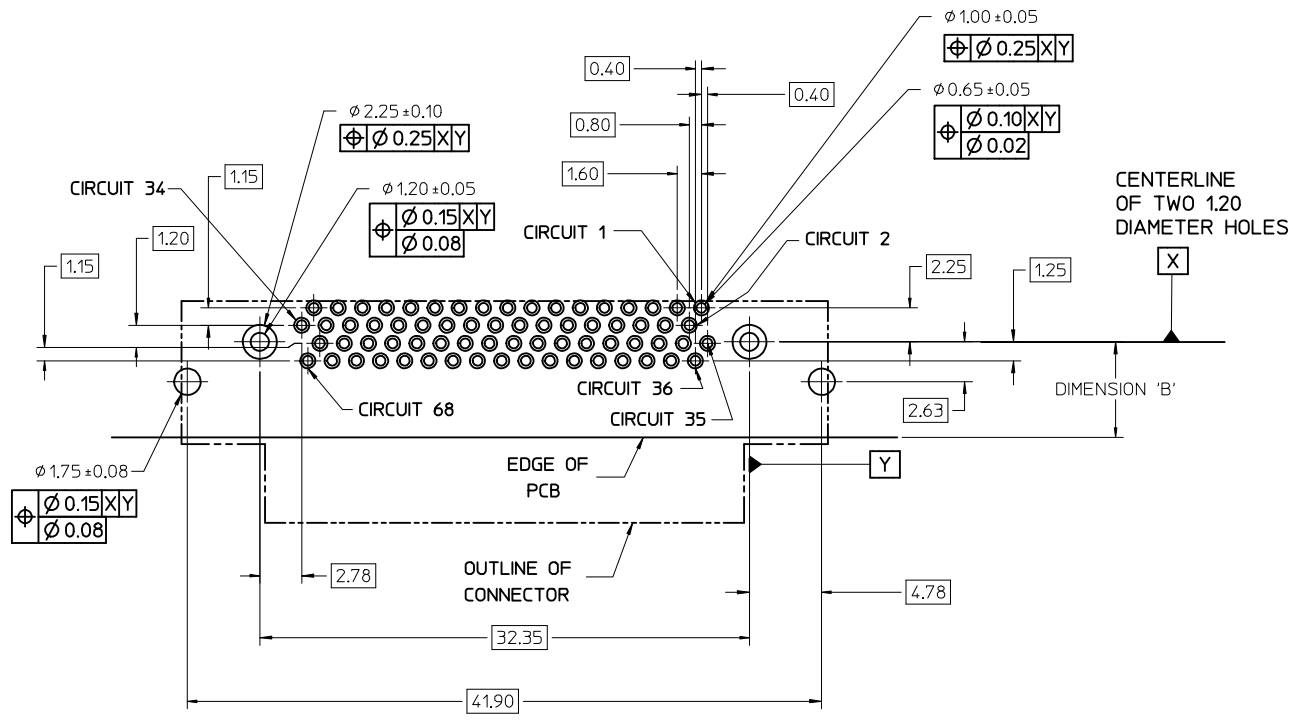
| <b>FIX TAIL TOLERANCE</b><br>EC NO: UCP2012-3896<br>DRWN:BBARKER 2012/05/29<br>CHKD:MMOLFE<br>APPR:SMILLER 2012/08/31 | QUALITY SYMBOLS<br>                | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                                                                                                                                                                                                                                                             |                            | DIMENSION STYLE<br><b>MM ONLY</b>                                                                                             | SCALE<br><b>4:1</b> | DESIGN UNITS<br><b>METRIC</b> | THIRD ANGLE PROJECTION |         |          |        |         |          |        |        |         |        |        |         |   |   |                                |                                  |                                   |                                   |  |  |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------|------------------------|---------|----------|--------|---------|----------|--------|--------|---------|--------|--------|---------|---|---|--------------------------------|----------------------------------|-----------------------------------|-----------------------------------|--|--|
|                                                                                                                       |                                    | <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± .005</td> <td>± .0004</td> </tr> <tr> <td>3 PLACES</td> <td>± .008</td> <td>± .0005</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.13</td> <td>± .005</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± .010</td> </tr> <tr> <td>0 PLACE</td> <td>±</td> <td>±</td> </tr> </table> |                            | mm                                                                                                                            | INCH                | 4 PLACES                      | ± .005                 | ± .0004 | 3 PLACES | ± .008 | ± .0005 | 2 PLACES | ± 0.13 | ± .005 | 1 PLACE | ± 0.25 | ± .010 | 0 PLACE | ± | ± | DRAWN BY<br>KSTILES 11/14/2002 | CHECKED BY<br>KSTILES 11/15/2002 | APPROVED BY<br>MBNAKIS 11/22/2002 | <b>VHDCI RIGHT ANGLE ASSEMBLY</b> |  |  |
|                                                                                                                       |                                    |                                                                                                                                                                                                                                                                                                                                                                                   | mm                         | INCH                                                                                                                          |                     |                               |                        |         |          |        |         |          |        |        |         |        |        |         |   |   |                                |                                  |                                   |                                   |  |  |
|                                                                                                                       |                                    | 4 PLACES                                                                                                                                                                                                                                                                                                                                                                          | ± .005                     | ± .0004                                                                                                                       |                     |                               |                        |         |          |        |         |          |        |        |         |        |        |         |   |   |                                |                                  |                                   |                                   |  |  |
| 3 PLACES                                                                                                              | ± .008                             | ± .0005                                                                                                                                                                                                                                                                                                                                                                           |                            |                                                                                                                               |                     |                               |                        |         |          |        |         |          |        |        |         |        |        |         |   |   |                                |                                  |                                   |                                   |  |  |
| 2 PLACES                                                                                                              | ± 0.13                             | ± .005                                                                                                                                                                                                                                                                                                                                                                            |                            |                                                                                                                               |                     |                               |                        |         |          |        |         |          |        |        |         |        |        |         |   |   |                                |                                  |                                   |                                   |  |  |
| 1 PLACE                                                                                                               | ± 0.25                             | ± .010                                                                                                                                                                                                                                                                                                                                                                            |                            |                                                                                                                               |                     |                               |                        |         |          |        |         |          |        |        |         |        |        |         |   |   |                                |                                  |                                   |                                   |  |  |
| 0 PLACE                                                                                                               | ±                                  | ±                                                                                                                                                                                                                                                                                                                                                                                 |                            |                                                                                                                               |                     |                               |                        |         |          |        |         |          |        |        |         |        |        |         |   |   |                                |                                  |                                   |                                   |  |  |
| ANGULAR ±1/2°<br>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                 | MATERIAL NO.<br><b>SEE SHEET 2</b> | DOCUMENT NO.<br><b>SD-71430-015</b>                                                                                                                                                                                                                                                                                                                                               | SHEET NO.<br><b>1 OF 3</b> |                                                                                                                               |                     |                               |                        |         |          |        |         |          |        |        |         |        |        |         |   |   |                                |                                  |                                   |                                   |  |  |
| REV: N                                                                                                                |                                    |                                                                                                                                                                                                                                                                                                                                                                                   |                            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                     |                               |                        |         |          |        |         |          |        |        |         |        |        |         |   |   |                                |                                  |                                   |                                   |  |  |

| PCB THICKNESS | PART NUMBER | TAIL LENGTH *T* (SEE FIGURE FOR TOLERANCE) | ENHANCED GROUND TABS | SCREWLOCKS    | TAIL LOC. *A* | HOLE LOCATION *B* |
|---------------|-------------|--------------------------------------------|----------------------|---------------|---------------|-------------------|
| 1.60          | 71430-0101  | 2.08                                       | NO                   | NONE          | 5.5           | 6.50 MAXIMUM      |
| 1.60          | 71430-0007  | 2.08                                       | NO                   | LOOSE IN BAGS |               |                   |
| 1.60          | 71430-0005  | 2.08                                       | YES                  | NONE          |               |                   |
| 1.60          | 71430-0008  | 2.08                                       | YES                  | LOOSE IN BAGS |               |                   |
| 2.36          | 71430-0268  | 2.71                                       | NO                   | NONE          |               |                   |
| 2.36          | 71430-0006  | 2.71                                       | NO                   | INSTALLED     |               |                   |
| 2.36          | 71430-0004  | 2.71                                       | YES                  | NONE          |               |                   |
| 2.36          | 71430-0009  | 2.71                                       | YES                  | INSTALLED     |               |                   |
| 2.36          | 71430-0016  | 2.71                                       | NO                   | LOOSE IN BAGS |               |                   |
| 2.36          | 71430-0019  | 2.71                                       | YES                  | LOOSE IN BAGS |               |                   |
| 2.36          | 71430-0012  | 2.71                                       | YES                  | NONE          | 5.3           | 6.30 MAXIMUM      |
| 1.60          | 71430-0013  | 2.08                                       | YES                  | NONE          |               |                   |



OPTIONAL SCREWLOCK  
PART NUMBER 71433-0002

|                                                                                                         |                                                      |                                                                                                                               |                  |                            |              |                        |
|---------------------------------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------------|--------------|------------------------|
| SEE SHEET 1<br>EC NO: UCP2012-3896<br>DRWN:BBARKER 2012/05/29<br>CHKD:MMOLFE<br>APPR:SMILLER 2012/08/31 | QUALITY SYMBOLS                                      | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                         | DIMENSION STYLE  | SCALE                      | DESIGN UNITS | THIRD ANGLE PROJECTION |
|                                                                                                         | ▽=0                                                  | mm INCH                                                                                                                       | MM ONLY          | 4:1                        | METRIC       |                        |
|                                                                                                         | ▽=0                                                  | 4 PLACES ± --- ± ---                                                                                                          | DRAWN BY DATE    | TITLE                      |              |                        |
|                                                                                                         | ▽=0                                                  | 3 PLACES ± --- ± ---                                                                                                          | CHECKED BY DATE  | VHDCI RIGHT ANGLE ASSEMBLY |              |                        |
|                                                                                                         | 1 PLACE ± 0.13 ± ---                                 | APPROVED BY DATE                                                                                                              | molex            |                            |              |                        |
|                                                                                                         | 0 PLACE ± 0.25 ± ---                                 | MATERIAL NO.                                                                                                                  | DOCUMENT NO.     |                            |              |                        |
|                                                                                                         | ANGULAR ±1/2°                                        | SEE TABLE                                                                                                                     | SD-71430-015     |                            |              |                        |
|                                                                                                         | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | SIZE C                                                                                                                        | SHEET NO. 2 OF 3 |                            |              |                        |
|                                                                                                         |                                                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                  |                            |              |                        |



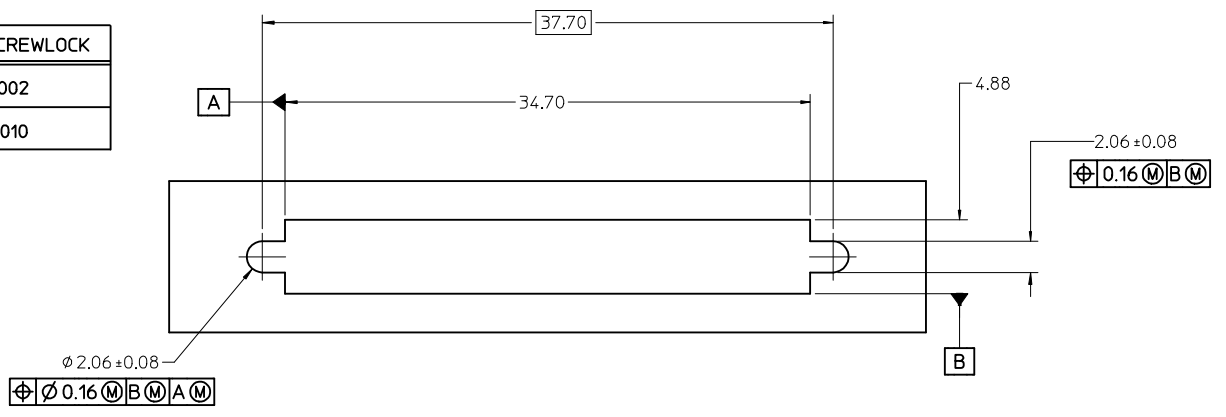
**NOTES:**

1. FOR FULL MATE WITH PLUG, PANEL THICKNESS SHOULD NOT EXCEED 1.0mm.

FUNCTIONAL MATING WITH MOLEX PLUG CAN STILL BE MAINTAINED WITH PANELS AS THICK AS 2.5mm (BUT PLUG AND RECEPTACLE WILL NOT BE FULLY MATED).

**2. GUIDELINES FOR CHOOSING A MOLEX SCREWLOCK:**

| PANEL THICKNESS               | RECOMMENDED SCREWLOCK |
|-------------------------------|-----------------------|
| LESS THAN OR EQUAL TO 1.00 MM | 71433-0002            |
| 1.01 TO 2.15 MM               | 71433-0010            |



|                                                                                                         |                      |                                                      |                                        |                                            |                                                                                                                               |                        |
|---------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------|----------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------|
| SEE SHEET 1<br>EC NO: UCP2012-3896<br>DRWN:BBARKER 2012/05/29<br>CHKD:HWOLFE<br>APPR:SMILLER 2012/08/31 | QUALITY SYMBOLS      | GENERAL TOLERANCES (UNLESS SPECIFIED)                | DIMENSION STYLE<br><b>MM ONLY</b>      | SCALE<br><b>4:1</b>                        | DESIGN UNITS<br><b>METRIC</b>                                                                                                 | THIRD ANGLE PROJECTION |
|                                                                                                         | ▽=0                  | mm INCH                                              | DRAWN BY DATE<br>KSTILES 11/14/2002    | TITLE<br><b>VHDCI RIGHT ANGLE ASSEMBLY</b> |                                                                                                                               |                        |
|                                                                                                         | ▽=0                  | 4 PLACES ± --- ± ---                                 | CHECKED BY DATE<br>KSTILES 11/15/2002  | <b>molex</b>                               |                                                                                                                               |                        |
|                                                                                                         | ▽=0                  | 2 PLACES ± 0.13 ± ---                                | APPROVED BY DATE<br>MBNAKIS 11/22/2002 |                                            |                                                                                                                               |                        |
|                                                                                                         | 1 PLACE ± 0.25 ± --- | MATERIAL NO.                                         | SHEET NO.<br><b>3 OF 3</b>             |                                            |                                                                                                                               |                        |
|                                                                                                         | 0 PLACE ± ±          | ANGULAR ±1/2°                                        | <b>SEE SHEET 2</b>                     |                                            | 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 |                                        |                                            |                                                                                                                               |                        |

NOTES:

1. MATERIALS:

HOUSING: GLASS FILLED LIQUID CRYSTAL POLYMER (LCP),  
UL94 V-0, COLOR:BLACK

TAIL ALIGNER: GLASS FILLED LIQUID CRYSTAL POLYMER (LCP),

TERMINAL: HIGH PERFORMANCE COPPER ALLOY

SHIELD: STEEL

THREADED INSERT: BRASS

2. FINISHES:

TERMINAL: 0.05-0.25 MICROMETERS GOLD FLASH IN CRITICAL AREA  
OVER 0.75 MICROMETERS MINIMUM PALLADIUM NICKEL IN  
CRITICAL AREA. 1.87 MICROMETERS MINIMUM MATTE TIN IN  
SOLDER TAIL AREA. OVERALL NICKEL UNDERPLATE.

BRACKET: 5.0 MICROMETERS MINIMUM BRIGHT TIN OVER A COPPER UNDERPLATE.

SHIELD: 3.8 MICROMETERS MINIMUM BRIGHT TIN OVER 1.3 MICROMETERS  
MINIMUM NICKEL OVER COPPER FLASH (OPTIONAL).

THREADED INSERT: 2.54 MICROMETERS MINIMUM NICKEL.

3. PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-71425-9999.

4. PRODUCT IS PACKAGED PER PK-71430-0101.

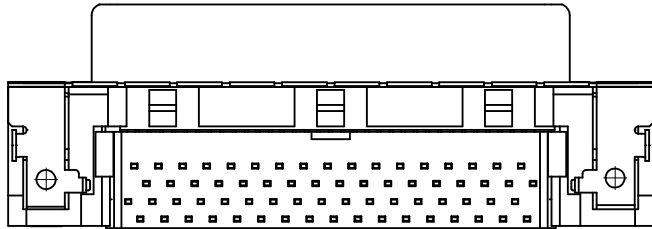
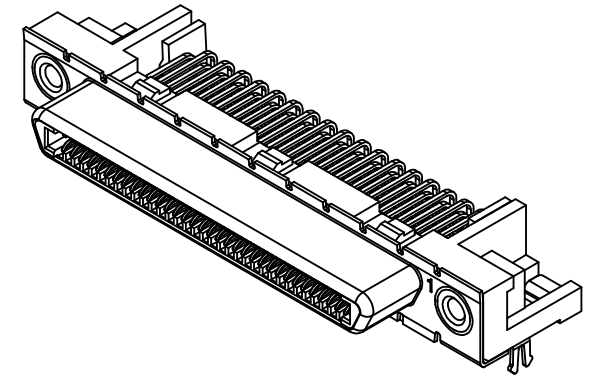
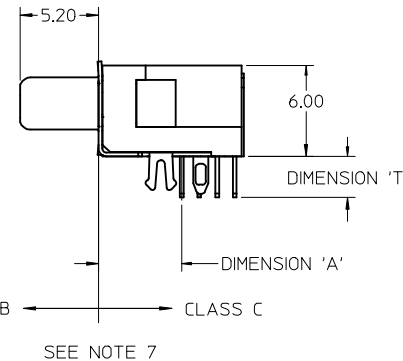
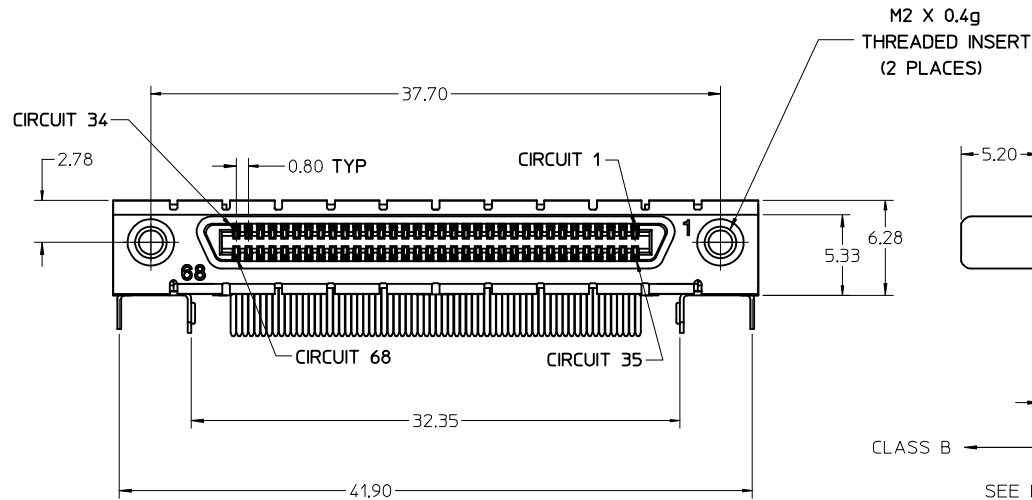
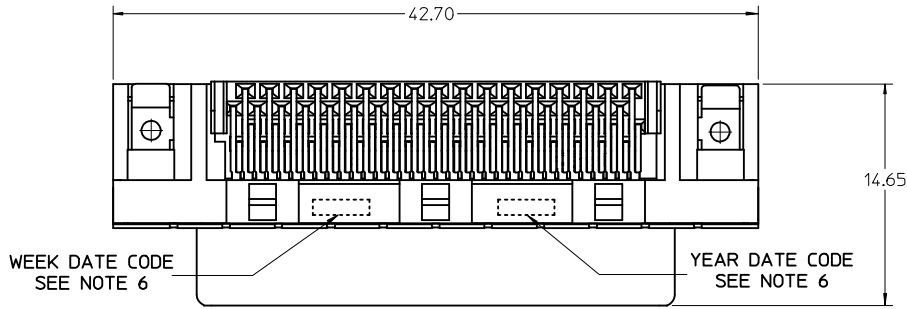
5. APPLICABLE STANDARDS: EIA-3652 AND SFF-8441.

6. DATE CODE: YR/WK PER EIA-476-A.

7. PRODUCT COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002.  
SEE SIDE VIEW FOR SURFACE CLASSIFICATIONS.

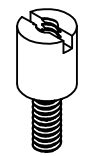
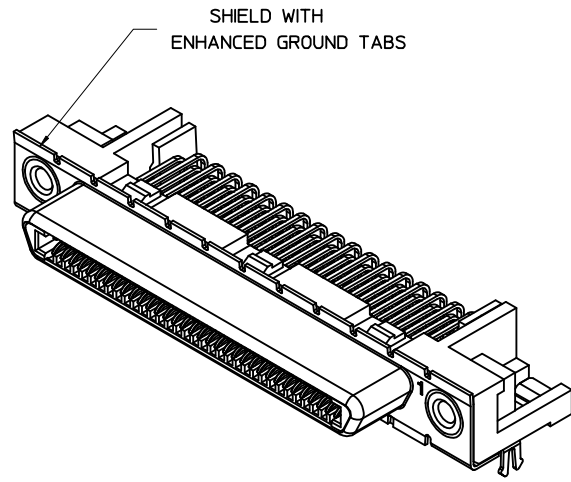
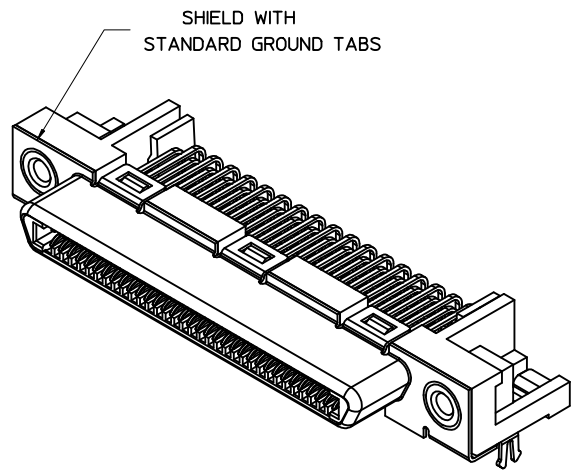
8. TORQUE TO INSTALL SCREWLOCKS INTO THREADED INSERTS:

0.34 Nm MAXIMUM.



|                                                                                                                                       |                                      |                                                      |                      |                                   |                      |                        |                        |                                                                                                                               |                            |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------|----------------------|-----------------------------------|----------------------|------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|
| <b>ADD PART 71430-3020</b><br>EC NO: UCP2015-5280<br>DRWN: TIBARRA 2015/06/12<br>CHKD: BBARKER 2015/06/30<br>APPR: SMILLER 2015/07/20 | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                |                      | DIMENSION STYLE<br><b>MM ONLY</b> |                      | SCALE<br>4:1           | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION                                                                                                        |                            |  |  |
|                                                                                                                                       |                                      | 4 PLACES ± --- ± ---                                 | 3 PLACES ± --- ± --- | 2 PLACES ± 0.13 ± ---             | 1 PLACE ± 0.25 ± --- | 0 PLACE ± ±            | DRAWN BY<br>BBARKER    | DATE<br>2011/02/17                                                                                                            | VHDCl RIGHT ANGLE ASSEMBLY |  |  |
|                                                                                                                                       |                                      | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                      | SEE TABLE                         |                      | APPROVED BY<br>SMILLER |                        | DATE<br>2011/02/25                                                                                                            | molex                      |  |  |
|                                                                                                                                       |                                      | MATERIAL NO.<br>SEE TABLE                            |                      | DOCUMENT NO.<br>SD-71430-3000     |                      | SHEET NO.<br>1 OF 3    |                        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |  |  |

| PCB THICKNESS | PART NUMBER | TAIL LENGTH<br>"T"<br>+0.50/-0.25 | ENHANCED<br>GROUND TABS | SCREWLOCKS<br>(SEE GUIDELINE FOR CHOOSING<br>A SCREWLOCK ON SHEET 3) | TAIL<br>LOCATION<br>"A" | PCB HOLE<br>LOCATION<br>"B" |
|---------------|-------------|-----------------------------------|-------------------------|----------------------------------------------------------------------|-------------------------|-----------------------------|
| 1.60          |             | 2.08                              | NO                      | NONE                                                                 | 5.50                    | 6.50 MAXIMUM                |
| 1.60          |             | 2.08                              | NO                      | 71433-2002 LOOSE IN BAGS                                             |                         |                             |
| 1.60          |             | 2.08                              | YES                     | NONE                                                                 |                         |                             |
| 1.60          |             | 2.08                              | YES                     | 71433-2002 LOOSE IN BAGS                                             |                         |                             |
| 2.36          |             | 2.71                              | NO                      | NONE                                                                 |                         |                             |
| 2.36          |             | 2.71                              | NO                      | 71433-2002 INSTALLED                                                 |                         |                             |
| 2.36          |             | 2.71                              | YES                     | NONE                                                                 |                         |                             |
| 2.36          |             | 2.71                              | YES                     | 71433-2002 INSTALLED                                                 |                         |                             |
| 2.36          |             | 2.71                              | NO                      | 71433-2002 LOOSE IN BAGS                                             |                         |                             |
| 2.36          | 71430-3019  | 2.71                              | YES                     | 71433-2002 LOOSE IN BAGS                                             |                         |                             |
| 2.79          | 71430-3020  | 3.62                              | YES                     | 71433-2002 LOOSE IN BAGS                                             | 5.30                    | 6.30 MAXIMUM                |
| 2.36          |             | 2.71                              | YES                     | NONE                                                                 |                         |                             |
| 1.60          |             | 2.08                              | YES                     | NONE                                                                 |                         |                             |



OPTIONAL SCREWLOCK  
PART NUMBER 71433-2002 SHOWN  
(SEE GUIDELINE FOR CHOOSING  
A SCREWLOCK ON SHEET 3)

|                                                                                                                                  |                        |                                                            |       |                                   |                    |                                                        |                               |                            |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------|-------|-----------------------------------|--------------------|--------------------------------------------------------|-------------------------------|----------------------------|
| <b>SEE SHEET 1</b><br>EC NO: UCP2015-5280<br>DRWN:TIBARRA 2015/06/12<br>CHKD:BBARKER 2015/06/30<br>APPR:SMILLER 2015/07/20       | QUALITY<br>SYMBOLS<br> | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       | DIMENSION STYLE<br><b>MM ONLY</b> |                    | SCALE<br><b>4:1</b>                                    | DESIGN UNITS<br><b>METRIC</b> | THIRD ANGLE<br>PROJECTION  |
|                                                                                                                                  |                        | 4 PLACES ± ---                                             | ± --- | DRAWN BY<br>BBARKER               | DATE<br>2011/02/17 | <b>VHDCI RIGHT ANGLE<br/>         ASSEMBLY</b><br><br> |                               |                            |
|                                                                                                                                  |                        | 3 PLACES ± ---                                             | ± --- | CHECKED BY                        | DATE               |                                                        |                               |                            |
|                                                                                                                                  |                        | 2 PLACES ± 0.13                                            | ± --- | APPROVED BY<br>SMILLER            | DATE<br>2011/02/25 |                                                        |                               |                            |
|                                                                                                                                  |                        | 1 PLACE ± 0.25                                             | ± --- | MATERIAL NO.                      |                    |                                                        |                               |                            |
| 0 PLACE ±                                                                                                                        | ±                      | DOCUMENT NO.                                               |       |                                   |                    |                                                        |                               |                            |
| ANGULAR ±1/2°                                                                                                                    |                        | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | <b>SEE TABLE</b>                  |                    | <b>SD-71430-3000</b>                                   |                               | SHEET NO.<br><b>2 OF 3</b> |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                                                            |       |                                   |                    |                                                        |                               |                            |

