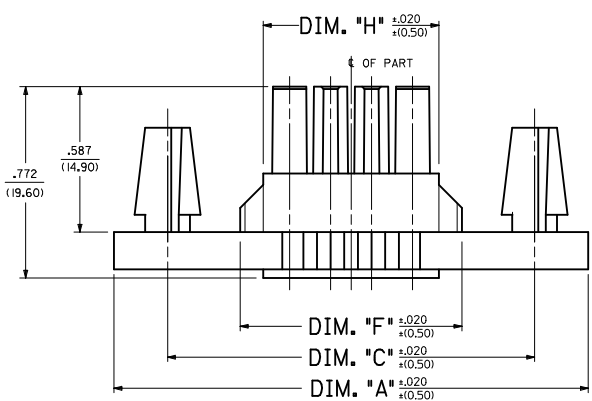
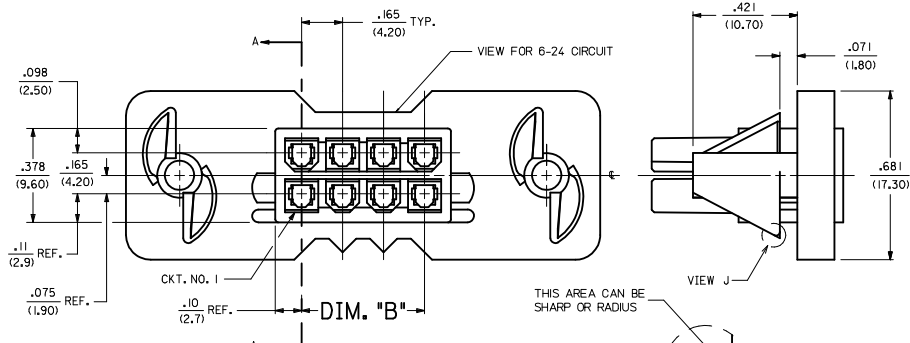
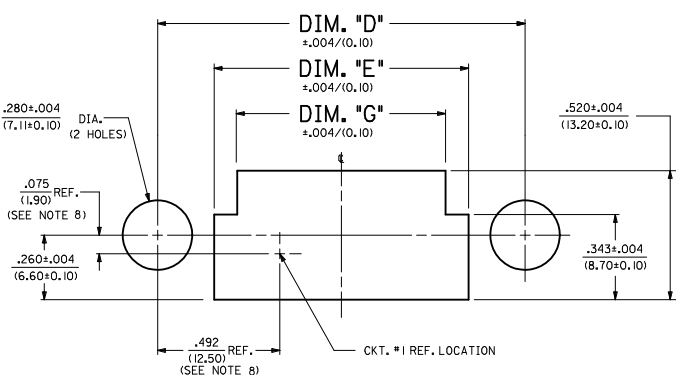


SECTION "A-A"  
TERMINAL ORIENTATION

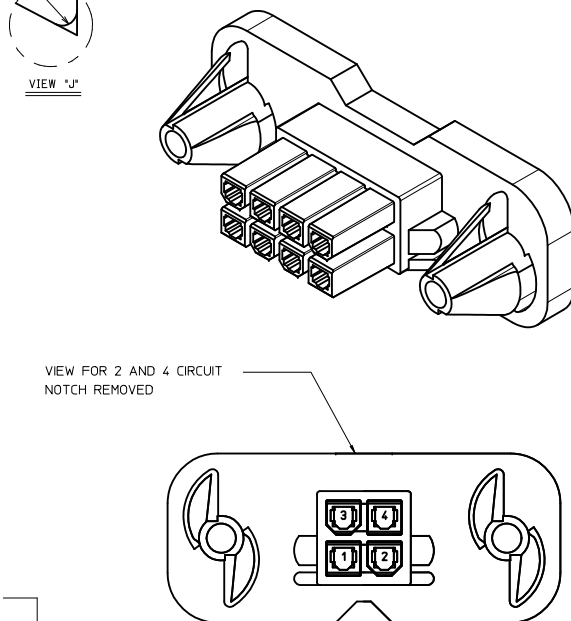


2-8 & 12-24 CIRCUIT HEADER  
(SEE SHEET 2 FOR 10 CIRCUIT HEADER DESIGN)



RECOMMENDED PANEL CUT-OUT FOR .050±0.12 (1.27±0.30) THICK PANEL  
(SEE NOTE 10)

LEGEND:  
42474 - \*\* \* I  
BASE NUMBER  
CIRCUIT SIZE  
(02-24)  
MATERIAL  
(SEE NOTE 1.)



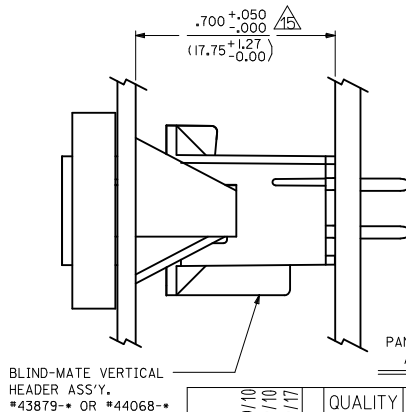
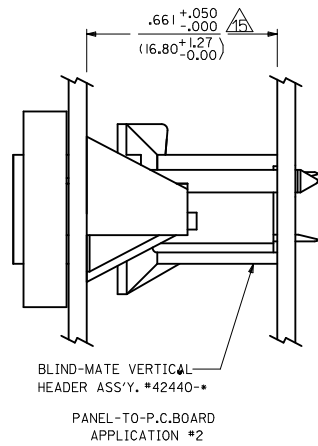
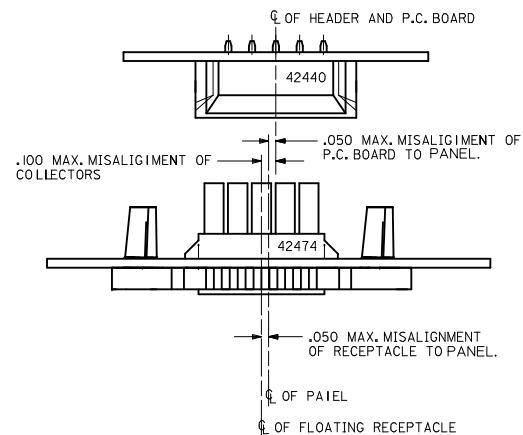
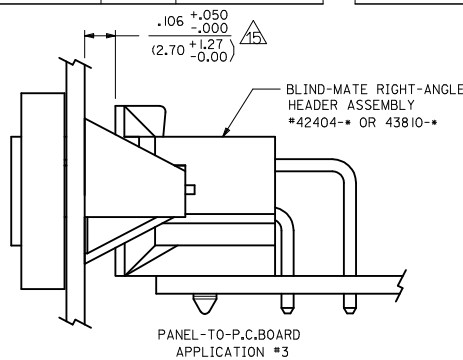
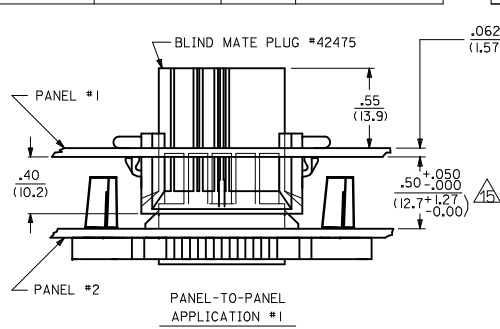
VIEW FOR 2 AND 4 CIRCUIT  
NOTCH REMOVED

| CKT. SIZE | DIM. 'A'         | DIM. 'B'       | DIM. 'C'        | DIM. 'D'        | DIM. 'E'         | DIM. 'F'          | DIM. 'G'         | DIM. 'H'         |
|-----------|------------------|----------------|-----------------|-----------------|------------------|-------------------|------------------|------------------|
| 2         | .1417<br>(36.00) | N/A            | .984<br>(25.00) | .984<br>(25.00) | .528<br>(13.40)  | .398<br>(10.10)   | .343<br>(8.70)   | .213<br>(5.40)   |
| 4         | .1583<br>(40.20) | .165<br>(4.20) | .150<br>(38.10) | .150<br>(38.10) | .693<br>(17.60)  | .563<br>(14.30)   | .508<br>(12.90)  | .378<br>(9.60)   |
| 6         | .1749<br>(44.40) | .181<br>(4.60) | .165<br>(41.80) | .165<br>(41.80) | .898<br>(22.80)  | .728<br>(18.50)   | .673<br>(17.10)  | .543<br>(13.80)  |
| 8         | .1913<br>(48.60) | .196<br>(5.00) | .180<br>(45.70) | .180<br>(45.70) | 1.024<br>(26.00) | .894<br>(22.70)   | .839<br>(21.30)  | .709<br>(18.00)  |
| 10        | .2078<br>(52.80) | .208<br>(5.30) | .195<br>(49.80) | .195<br>(49.80) | 1.149<br>(29.20) | .1.029<br>(26.20) | .974<br>(24.80)  | .844<br>(21.50)  |
| 12        | .2244<br>(57.00) | .227<br>(5.80) | .210<br>(53.30) | .210<br>(53.30) | 1.274<br>(32.40) | 1.124<br>(28.70)  | 1.069<br>(27.20) | .939<br>(23.90)  |
| 14        | .2409<br>(61.20) | .243<br>(6.20) | .225<br>(57.10) | .225<br>(57.10) | 1.399<br>(35.50) | 1.249<br>(31.70)  | 1.194<br>(30.30) | 1.064<br>(27.00) |
| 16        | .2575<br>(65.40) | .260<br>(6.60) | .240<br>(61.00) | .240<br>(61.00) | 1.524<br>(38.70) | 1.374<br>(34.90)  | 1.319<br>(33.50) | 1.189<br>(30.20) |
| 18        | .2740<br>(69.60) | .277<br>(7.00) | .255<br>(64.80) | .255<br>(64.80) | 1.649<br>(41.90) | 1.499<br>(38.10)  | 1.444<br>(36.70) | 1.314<br>(33.40) |
| 20        | .2906<br>(73.80) | .293<br>(7.40) | .270<br>(68.60) | .270<br>(68.60) | 1.774<br>(45.20) | 1.624<br>(41.40)  | 1.569<br>(40.00) | 1.439<br>(36.50) |
| 22        | .3071<br>(78.00) | .310<br>(7.90) | .285<br>(72.90) | .285<br>(72.90) | 1.899<br>(48.20) | 1.749<br>(44.50)  | 1.694<br>(43.10) | 1.564<br>(39.70) |
| 24        | .3237<br>(82.20) | .326<br>(8.30) | .300<br>(76.20) | .300<br>(76.20) | 2.024<br>(51.40) | 1.874<br>(47.70)  | 1.819<br>(46.30) | 1.689<br>(42.90) |

- NOTES:
- MATERIAL:  
\*1 = NYLON 6/6, 94V-2, COLOR: NATURAL.  
\*2 = NYLON 6/6, 94V-0, COLOR: NATURAL.  
\*3 = NYLON 6/6, 94V-2, COLOR: BLACK.  
\*4 = NYLON 6/6, 94V-0, COLOR: BLACK.
  - FINISH: NOT APPLICABLE.
  - PRODUCT SPECIFICATION: PS-5556-002
  - PACKAGING: PK-42474-001
  - PART MATES WITH MINI-FIT B.M.I. PLUG #42475, AND HEADERS 42404, 42440, 43810, 44068 & 43879.
  - PART TO BE USED WITH MOLEX FEMALE TERMINAL #5556.
  - THIS CONNECTOR ALLOWS FOR .050 (1.27) MAX. MISALIGNMENT IN ANY DIRECTION.
  - THIS DIMENSION TO BE USED FOR ALIGNMENT OF THE MATING CONNECTOR.
  - CONNECTOR ASSEMBLIES ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
  - THIS PART IS INTENDED FOR ONE PANEL INSERTION ONLY. REMOVAL AND RE-INSERTION CAN DAMAGE THE MOUNTING SPIRALS.
  - PANEL SHOULD BE PUNCHED IN THE DIRECTION OF CONNECTOR INSERTION.
  - BOTH SPIRALS SHOULD BE INSERTED INTO THE PANEL AT THE SAME TIME. ROCKING THE PART INTO PLACE MAY CAUSE SPIRAL DAMAGE.
  - THIS PART IS NOT INTENDED TO PROVIDE ANY ALIGNMENT OF CUSTOMER COMPONENTS OR MODULES, SUCH AS POWER SUPPLIES AND CHASSIS.
  - IF THIS PRODUCT IS STORED IN AN ENVIRONMENT WITH A RELATIVE HUMIDITY OF LESS THAN 50%, MOISTURE MUST BE ADDED. REFER TO TECHNICAL ADVISORY AS-45499-001 FOR INSTRUCTIONS.
  - A MAXIMUM TOLERANCE OF .050 (1.27) ALLOWS FOR 2 POINTS OF ELECTRICAL CONTACT. A MAXIMUM TOLERANCE OF .020 (0.51) ALLOWS FOR 4 POINTS OF CONTACT.
  - WIRES ARE TO BE DRESSED IN SUCH A MANNER TO ALLOW THE TERMINALS TO FLOAT FREELY IN THE POCKET.
  - PART CONFORMS TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

|                                                                                                                     |                                      |                                         |                                                            |       |                                                                                                                                            |                    |                                                                                            |                        |                           |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------|------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------|------------------------|---------------------------|
| UPDATED TOLERANCE<br>EC NO: UCP2017-0682<br>DRAWN: JAGUAR<br>CHKD: BELL<br>2010/09/10<br>2010/09/17<br>APPROVED: SH | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | DESCRIPTION<br>2010/09/10<br>2010/09/17 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |       | DIMENSION STYLE<br>IN/MM                                                                                                                   |                    | SCALE<br>1:1                                                                               | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |
|                                                                                                                     |                                      |                                         | mm INCH                                                    |       | DRAWN BY<br>GEP                                                                                                                            | DATE<br>1989/08/24 | TITLE<br>PANEL-MOUNT RECEPTACLE<br>BLIND MATE<br>MINI-FIT JR. SERIES<br>MOLEX INCORPORATED |                        |                           |
|                                                                                                                     |                                      |                                         | 4 PLACES ±                                                 | ±     | CHECKED BY                                                                                                                                 | DATE               |                                                                                            |                        |                           |
|                                                                                                                     |                                      |                                         | 3 PLACES ±                                                 | ±.015 | RJF                                                                                                                                        | 1989/08/24         |                                                                                            |                        |                           |
|                                                                                                                     |                                      |                                         | 2 PLACES ±0.38                                             | ±     | APPROVED BY                                                                                                                                | DATE               |                                                                                            |                        |                           |
|                                                                                                                     |                                      |                                         | 1 PLACE ±                                                  | ±     | RAS                                                                                                                                        | 1989/08/24         |                                                                                            |                        |                           |
|                                                                                                                     |                                      |                                         | ANGULAR ±1/2°                                              |       | MATERIAL NO.<br>SEE SHEET 2                                                                                                                |                    | DOCUMENT NO.<br>SD-42474-****                                                              | SHEET NO.<br>1 OF 2    |                           |
|                                                                                                                     |                                      |                                         | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SIZE<br>D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                                                            |                        |                           |
|                                                                                                                     |                                      |                                         | REV                                                        |       |                                                                                                                                            |                    |                                                                                            |                        |                           |

| 13 |                | 12             |              | 11                        |            | 10 |            | 9              |                | 8            |                           | 7 |  | 6          |                | 5            |                           | 4     |  | 3          |                | 2            |                           | 1 |  |  |
|----|----------------|----------------|--------------|---------------------------|------------|----|------------|----------------|----------------|--------------|---------------------------|---|--|------------|----------------|--------------|---------------------------|-------|--|------------|----------------|--------------|---------------------------|---|--|--|
| J  | PART<br>NUMBER | ENG.<br>NUMBER | CKT.<br>SIZE | MATERIAL<br>(SEE NOTE 1.) |            |    |            | PART<br>NUMBER | ENG.<br>NUMBER | CKT.<br>SIZE | MATERIAL<br>(SEE NOTE 1.) |   |  |            | ITEM<br>NUMBER | CKT.<br>SIZE | MATERIAL<br>(SEE NOTE 1.) |       |  |            | ITEM<br>NUMBER | CKT.<br>SIZE | MATERIAL<br>(SEE NOTE 1.) |   |  |  |
|    | NOT TOOLED     | 42474-0211     | 2            | 94V-2                     | NOT TOOLED |    |            | 42474-0221     | 2              | 94V-0        | NOT TOOLED                | 2 |  |            | 94V-2          | NOT TOOLED   | 2                         | 94V-0 |  |            |                |              |                           |   |  |  |
|    | I5-06-0040     | 42474-0411     | 4            | 94V-2                     |            |    | I5-06-0041 | 42474-0421     | 4              | 94V-0        |                           |   |  | 42474-0431 | 4              | 94V-2        |                           |       |  | 42474-0441 | 4              | 94V-0        |                           |   |  |  |
|    | I5-06-0060     | 42474-0611     | 6            | 94V-2                     |            |    | I5-06-0061 | 42474-0621     | 6              | 94V-0        |                           |   |  | 42474-0631 | 6              | 94V-2        |                           |       |  | 42474-0641 | 6              | 94V-0        |                           |   |  |  |
|    | I5-06-0080     | 42474-0811     | 8            | 94V-2                     |            |    | I5-06-0081 | 42474-0821     | 8              | 94V-0        |                           |   |  | 42474-0831 | 8              | 94V-2        |                           |       |  | NOT TOOLED | 8              | 94V-0        |                           |   |  |  |
| I  | I5-06-0100     | 42474-1011     | 10           | 94V-2                     |            |    | I5-06-0101 | 42474-1021     | 10             | 94V-0        |                           |   |  | 42474-1031 | 10             | 94V-2        |                           |       |  | 42474-1041 | 10             | 94V-0        |                           |   |  |  |
|    | NOT TOOLED     | 42474-1211     | 12           | 94V-2                     |            |    | NOT TOOLED | 42474-1221     | 12             | 94V-0        |                           |   |  | NOT TOOLED | 12             | 94V-2        |                           |       |  | NOT TOOLED | 12             | 94V-0        |                           |   |  |  |
|    | I5-06-0140     | 42474-1411     | 14           | 94V-2                     |            |    | I5-06-0141 | 42474-1421     | 14             | 94V-0        |                           |   |  | 42474-1431 | 14             | 94V-2        |                           |       |  | 42474-1441 | 14             | 94V-0        |                           |   |  |  |
|    | NOT TOOLED     | 42474-1611     | 16           | 94V-2                     |            |    | NOT TOOLED | 42474-1621     | 16             | 94V-0        |                           |   |  | NOT TOOLED | 16             | 94V-2        |                           |       |  | NOT TOOLED | 16             | 94V-0        |                           |   |  |  |
| H  | I5-06-0180     | 42474-1811     | 18           | 94V-2                     |            |    | I5-06-0181 | 42474-1821     | 18             | 94V-0        |                           |   |  | 42474-1831 | 18             | 94V-2        |                           |       |  | 42474-1841 | 18             | 94V-0        |                           |   |  |  |
|    | NOT TOOLED     | 42474-2011     | 20           | 94V-2                     |            |    | NOT TOOLED | 42474-2021     | 20             | 94V-0        |                           |   |  | NOT TOOLED | 20             | 94V-2        |                           |       |  | NOT TOOLED | 20             | 94V-0        |                           |   |  |  |
|    | NOT TOOLED     | 42474-2211     | 22           | 94V-2                     |            |    | NOT TOOLED | 42474-2221     | 22             | 94V-0        |                           |   |  | NOT TOOLED | 22             | 94V-2        |                           |       |  | NOT TOOLED | 22             | 94V-0        |                           |   |  |  |
|    | I5-06-0240     | 42474-2411     | 24           | 94V-2                     |            |    | I5-06-0241 | 42474-2421     | 24             | 94V-0        |                           |   |  | 42474-2431 | 24             | 94V-2        |                           |       |  | 42474-2441 | 24             | 94V-0        |                           |   |  |  |



|                                                                                           |            |            |            |                                       |                                                                                                                                                                                                                            |                                                                                                                                                                     |                                                                                                                                                   |                                                  |                     |
|-------------------------------------------------------------------------------------------|------------|------------|------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------|
| <b>SEE SHEET 1</b><br>EC NO: UCP2011-0682<br>DRAWN: JAGUILAR<br>CHKO:JBELL<br>APPR:FSM TH | 2010/09/10 | 2010/09/10 | 2010/09/17 | QUALITY SYMBOLS<br>DESCRIPTION<br>REV | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± .015<br>2 PLACES ± 0.38 ± ---<br>1 PLACE ± --- ± ---<br>ANGULAR ±1/2°<br>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | DIMENSION STYLE<br>IN/MM<br>DRAWN BY DATE<br>GEP 1989/08/24<br>CHECKED BY DATE<br>RJF 1989/08/24<br>APPROVED BY DATE<br>RAS 1989/08/24<br>MATERIAL NO.<br>SEE CHART | SCALE<br>1:1<br>TITLE<br>PANEL-MOUNT RECEPTACLE<br>BLIND MATE<br>MINI-FIT JR. SERIES<br>MOLEX MOLEX INCORPORATED<br>DOCUMENT NO.<br>SD-42474-**** | DESIGN UNITS<br>METRIC<br>THIRD ANGLE PROJECTION | SHEET NO.<br>2 OF 2 |
|                                                                                           |            |            |            |                                       |                                                                                                                                                                                                                            |                                                                                                                                                                     |                                                                                                                                                   |                                                  |                     |
|                                                                                           |            |            |            |                                       |                                                                                                                                                                                                                            |                                                                                                                                                                     |                                                                                                                                                   |                                                  |                     |
|                                                                                           |            |            |            |                                       |                                                                                                                                                                                                                            |                                                                                                                                                                     |                                                                                                                                                   |                                                  |                     |
|                                                                                           |            |            |            |                                       |                                                                                                                                                                                                                            |                                                                                                                                                                     |                                                                                                                                                   |                                                  |                     |