

**NOTES :**

- MATERIALS :**  
HOUSING : NYLON, GLASS-FILLED, UL94V-0, COLOR - SEE CHART  
TERMINALS : PHOSPHOR BRONZE, .012/(0.30)  
FITTING NAILS : BRASS ALLOY, .010/(0.25)
- FINISH :**  
TERMINAL PLATING OPTIONS : (SEE TABLE)  
(A) SELECT GOLD IN CONTACT AREA: .000050/(0.00127) MIN.,  
\*SELECT MATTE TIN IN PC TAIL AREA: .000100/(0.00254) MIN.,  
WITH OVERALL NICKEL UNDERPLATE: .000050/(0.00127) MIN.,  
(B) SELECT GOLD IN CONTACT AREA: .000030/(0.00076) MIN.,  
\*SELECT MATTE TIN IN PC TAIL AREA: .000100/(0.00254) MIN.,  
WITH OVERALL NICKEL UNDERPLATE: .000050/(0.00127) MIN.,  
(C) SELECT GOLD IN CONTACT AREA: .000015/(0.00038) MIN.,  
\*SELECT MATTE TIN IN PC TAIL AREA: .000100/(0.00254) MIN.,  
WITH OVERALL NICKEL UNDERPLATE: .000050/(0.00127) MIN.
- FITTING NAILS :**  
\*100 MICROINCHES MATTE TIN OVER 50 MICROINCHES NICKEL UNDERPLATE  
\*THE PRIMARY SHIPPING CARTON WILL BE LABELED "ELV AND RoHS COMPLIANT". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD IN THE PC TAIL AREA.
- PRODUCT SPECIFICATION :** PS-43743-001
- COPLANARITY SPECIFICATIONS :**  
WITH THE MODULAR JACK SITTING ON A LEVEL SURFACE, THE MAXIMUM GAP BETWEEN THE LEVEL SURFACE AND ALL TERMINAL TAILS AND BOTH FITTING NAILS IS .006/(0.15).
- FOR ASSEMBLIES HAVING VOIDED CIRCUITS, THE TAIL PORTION IS CUT AND REMOVED. THE MATING PORTION OF THE TERMINAL REMAINS INTACT. VOIDED CIRCUITS MUST BE THE SAME FOR BOTH PORTS.**
- CONVECTION SOLDERING TECHNOLOGY SHOULD BE USED WHEN GANGING MODULAR JACKS WITH INBOARD NAILS SIDE-BY-SIDE.**
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.**

PC BOARD LAYOUT FOR 8 POSITION HOUSING  
(COMPONENT SIDE OF BOARD)

PC BOARD LAYOUT FOR 6 POSITION HOUSING  
(COMPONENT SIDE OF BOARD)

|   |             |                               |
|---|-------------|-------------------------------|
| REVISED NOTES<br>EC NO: UCP2009-1244<br>DRAWN: KLOSTNER 2008/12/10<br>CHKD: JEBEL 2008/12/10<br>APPR: FBMITH 2008/12/10 | DESCRIPTION | QUALITY SYMBOLS<br>▽=0<br>▽=0 |
| G2  | REV         |                               |

| GENERAL TOLERANCES (UNLESS SPECIFIED)                |        |
|--|--------|
| mm   | INCH   |
| 4 PLACES ± ---                                       | ± ---  |
| 3 PLACES ± ---                                       | ± .010 |
| 2 PLACES ± .25                                       | ± .015 |
| 1 PLACE ± 0.38                                       | ± ---  |
| ANGULAR ± 1/2°                                       |        |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |        |

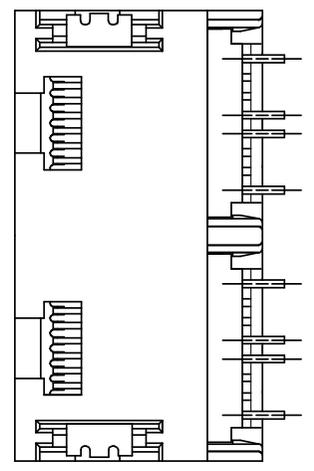
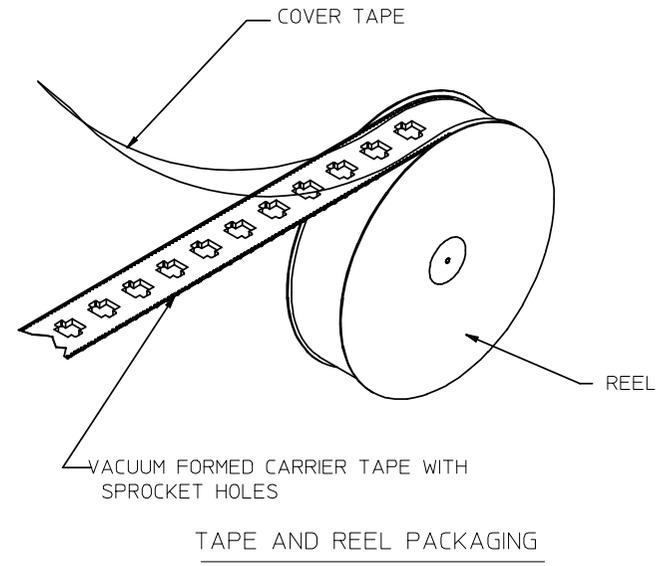
| DIMENSION STYLE |   |
|-----------------|---|
| IN/MM           |   |
| DRAWN BY        | DATE  |
| MUELLER         | 98/06/11  |
| CHECKED BY      | DATE  |
| ROBERTS         | 98/06/16  |
| APPROVED BY     | DATE  |
| EDGLEY          | 98/06/17  |
| MATERIAL NO.    | DOCUMENT NO.  |
| SEE SHT 2       | SD-44193-001  |
| SIZE            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |

|   |              |                        |
|---|--------------|------------------------|
| SCALE   | DESIGN UNITS | THIRD ANGLE PROJECTION |
| 1:1   | INCH         |                        |
| TITLE   |              |                        |
| 4, 6, & 8 CIRCUIT DUAL PORT SMT MODULAR JACK W/ FLUSH MOUNT NAILS |              |                        |
| MOLEX MOLEX INCORPORATED  |              |                        |
| SHEET NO.   | 1 OF 2       |                        |

|   |       |
|---|-------|
| 2 | G1    |
| 1 | G2    |
|   | SHREV |

|   | 13                | 12             | 11           | 10               | 9                         | 8               | 7             | 6 | 5 | 4 | 3 | 2 | 1 |
|---|-------------------|----------------|--------------|------------------|---------------------------|-----------------|---------------|---|---|---|---|---|---|
|   | ASSEMBLY ITEM NO. | CONNECTOR SIZE | CIRCUIT SIZE | TERMINAL PLATING | TAPE & REEL PACKAGING NO. | VOIDED CIRCUITS | HOUSING COLOR |   |   |   |   |   |   |
| J | 44193-0001        | 8              | 4            | A                | PK-70873-7004             | NA              | BLACK         |   |   |   |   |   |   |
|   | 44193-0002        | 8              | 6            | A                | PK-70873-7004             |                 |               |   |   |   |   |   |   |
|   | 44193-0003        | 8              | 8            | A                | PK-70873-7004             |                 |               |   |   |   |   |   |   |
| I | 44193-0004        | 6              | 4            | A                | PK-70873-7003             |                 |               |   |   |   |   |   |   |
|   | 44193-0005        | 6              | 6            | A                | PK-70873-7003             |                 |               |   |   |   |   |   |   |
|   | 44193-0006        | 8              | 4            | B                | PK-70873-7004             |                 |               |   |   |   |   |   |   |
| H | 44193-0007        | 8              | 6            | B                | PK-70873-7004             |                 |               |   |   |   |   |   |   |
|   | 44193-0008        | 8              | 8            | B                | PK-70873-7004             |                 |               |   |   |   |   |   |   |
|   | 44193-0009        | 6              | 4            | B                | PK-70873-7003             |                 |               |   |   |   |   |   |   |
|   | 44193-0010        | 6              | 6            | B                | PK-70873-7003             |                 |               |   |   |   |   |   |   |
| G | 44193-0011        | 8              | 4            | C                | PK-70873-7004             |                 |               |   |   |   |   |   |   |
|   | 44193-0012        | 8              | 6            | C                | PK-70873-7004             |                 |               |   |   |   |   |   |   |
|   | 44193-0013        | 8              | 8            | C                | PK-70873-7004             |                 |               |   |   |   |   |   |   |
|   | 44193-0014        | 6              | 4            | C                | PK-70873-7003             |                 |               |   |   |   |   |   |   |
| F | 44193-0015        | 6              | 6            | C                | PK-70873-7003             |                 |               |   |   |   |   |   |   |
|   | 44193-0016        | 6              | 2            | A                | PK-70873-7003             |                 |               |   |   |   |   |   |   |
|   | 44193-0017        | 6              | 2            | B                | PK-70873-7003             |                 |               |   |   |   |   |   |   |
| E | 44193-0018        | 6              | 2            | C                | PK-70873-7003             |                 |               |   |   |   |   |   |   |

| HOUSING SIZE | CIRCUIT SIZE | DIM. A         |
|--------------|--------------|----------------|
| 6            | 6            | .250<br>(6.35) |
| 6            | 4            | .150<br>(3.81) |
| 6            | 2            | .050<br>(1.27) |
| 8            | 8            | .350<br>(8.89) |
| 8            | 6            | .250<br>(6.35) |
| 8            | 4            | .150<br>(3.81) |



TYPICAL VIEW SHOWING VOIDED CIRCUIT  
(CIRCUITS 2,3,6,7 SHOWN VOIDED)

| <b>OBSOLETE 441930019</b><br>EC NO: UCP2008-1189<br>DRAWN: JBELL 2007/11/30<br>CHKD: LSCHMIDT 2008/02/20<br>APPR: FSMITH 2008/03/04   | QUALITY SYMBOLS          | GENERAL TOLERANCES (UNLESS SPECIFIED)   | DIMENSION STYLE | SCALE                              | DESIGN UNITS | THIRD ANGLE PROJECTION |      |      |          |      |       |          |       |       |         |       |      |               |  |  |  |          |      |         |          |            |      |         |          |             |      |        |          |       |     |      |
|---|--------------------------|---|-----------------|------------------------------------|--------------|------------------------|------|------|----------|------|-------|----------|-------|-------|---------|-------|------|---------------|--|--|--|----------|------|---------|----------|------------|------|---------|----------|-------------|------|--------|----------|-------|-----|------|
|   | $\nabla=0$<br>$\nabla=0$ | <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>3 PLACES</td> <td>±---</td> <td>±.010</td> </tr> <tr> <td>2 PLACES</td> <td>±0.25</td> <td>±.015</td> </tr> <tr> <td>1 PLACE</td> <td>±0.38</td> <td>±---</td> </tr> <tr> <td colspan="3">ANGULAR ±1/2°</td> </tr> </tbody> </table> |                 | mm                                 | INCH         | 4 PLACES               | ±--- | ±--- | 3 PLACES | ±--- | ±.010 | 2 PLACES | ±0.25 | ±.015 | 1 PLACE | ±0.38 | ±--- | ANGULAR ±1/2° |  |  | <table border="1"> <thead> <tr> <th>DRAWN BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>MUELLER</td> <td>98/06/11</td> </tr> <tr> <th>CHECKED BY</th> <th>DATE</th> </tr> <tr> <td>ROBERTS</td> <td>98/06/16</td> </tr> <tr> <th>APPROVED BY</th> <th>DATE</th> </tr> <tr> <td>EDGLEY</td> <td>98/06/17</td> </tr> </tbody> </table> | DRAWN BY | DATE | MUELLER | 98/06/11 | CHECKED BY | DATE | ROBERTS | 98/06/16 | APPROVED BY | DATE | EDGLEY | 98/06/17 | IN/MM | 4:1 | INCH |
|   |                          | mm  | INCH            |                                    |              |                        |      |      |          |      |       |          |       |       |         |       |      |               |  |  |  |          |      |         |          |            |      |         |          |             |      |        |          |       |     |      |
|   | 4 PLACES                 | ±---  | ±---            |                                    |              |                        |      |      |          |      |       |          |       |       |         |       |      |               |  |  |  |          |      |         |          |            |      |         |          |             |      |        |          |       |     |      |
| 3 PLACES  | ±---                     | ±.010   |                 |                                    |              |                        |      |      |          |      |       |          |       |       |         |       |      |               |  |  |  |          |      |         |          |            |      |         |          |             |      |        |          |       |     |      |
| 2 PLACES  | ±0.25                    | ±.015   |                 |                                    |              |                        |      |      |          |      |       |          |       |       |         |       |      |               |  |  |  |          |      |         |          |            |      |         |          |             |      |        |          |       |     |      |
| 1 PLACE   | ±0.38                    | ±---  |                 |                                    |              |                        |      |      |          |      |       |          |       |       |         |       |      |               |  |  |  |          |      |         |          |            |      |         |          |             |      |        |          |       |     |      |
| ANGULAR ±1/2°   |                          |   |                 |                                    |              |                        |      |      |          |      |       |          |       |       |         |       |      |               |  |  |  |          |      |         |          |            |      |         |          |             |      |        |          |       |     |      |
| DRAWN BY  | DATE                     |   |                 |                                    |              |                        |      |      |          |      |       |          |       |       |         |       |      |               |  |  |  |          |      |         |          |            |      |         |          |             |      |        |          |       |     |      |
| MUELLER   | 98/06/11                 |   |                 |                                    |              |                        |      |      |          |      |       |          |       |       |         |       |      |               |  |  |  |          |      |         |          |            |      |         |          |             |      |        |          |       |     |      |
| CHECKED BY  | DATE                     |   |                 |                                    |              |                        |      |      |          |      |       |          |       |       |         |       |      |               |  |  |  |          |      |         |          |            |      |         |          |             |      |        |          |       |     |      |
| ROBERTS   | 98/06/16                 |   |                 |                                    |              |                        |      |      |          |      |       |          |       |       |         |       |      |               |  |  |  |          |      |         |          |            |      |         |          |             |      |        |          |       |     |      |
| APPROVED BY   | DATE                     |   |                 |                                    |              |                        |      |      |          |      |       |          |       |       |         |       |      |               |  |  |  |          |      |         |          |            |      |         |          |             |      |        |          |       |     |      |
| EDGLEY  | 98/06/17                 |   |                 |                                    |              |                        |      |      |          |      |       |          |       |       |         |       |      |               |  |  |  |          |      |         |          |            |      |         |          |             |      |        |          |       |     |      |
| DESCRIPTION   | TITLE                    | 2 PORT SMT. JACK ASSY<br>W/FLUSH MOUNT NAILS  |                 |                                    |              |                        |      |      |          |      |       |          |       |       |         |       |      |               |  |  |  |          |      |         |          |            |      |         |          |             |      |        |          |       |     |      |
| REV   | SIZE                     | MATERIAL NO.  | DOCUMENT NO.    | MOLEX INCORPORATED<br>SD-44193-001 |              |                        |      |      |          |      |       |          |       |       |         |       |      |               |  |  |  |          |      |         |          |            |      |         |          |             |      |        |          |       |     |      |
| G1  | C                        | SEE CHART   |                 | SHEET NO. 2 OF 2                   |              |                        |      |      |          |      |       |          |       |       |         |       |      |               |  |  |  |          |      |         |          |            |      |         |          |             |      |        |          |       |     |      |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS<br>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                          |   |                 |                                    |              |                        |      |      |          |      |       |          |       |       |         |       |      |               |  |  |  |          |      |         |          |            |      |         |          |             |      |        |          |       |     |      |