



| CKT | A             | B             |
|-----|---------------|---------------|
| 4   | 18.81 / .740  | 4.20 / .165   |
| 6   | 23.01 / .906  | 8.40 / .331   |
| 8   | 27.21 / 1.071 | 12.60 / .496  |
| 10  | 31.41 / 1.237 | 16.80 / .661  |
| 12  | 35.61 / 1.402 | 21.00 / .827  |
| 14  | 39.81 / 1.567 | 25.20 / .992  |
| 16  | 44.01 / 1.733 | 29.40 / 1.157 |
| 18  | 48.21 / 1.898 | 33.60 / 1.323 |
| 20  | 52.41 / 2.063 | 37.80 / 1.488 |
| 22  | 56.61 / 2.229 | 42.00 / 1.654 |
| 24  | 60.81 / 2.394 | 46.20 / 1.819 |

- NOTES:
- MATERIAL:  
HOUSING: NYLON, GLASS FILLED, UL94V-0, COLOR: BLACK  
TERMINAL: PHOSPHOR BRONZE
  - FINISH: SEE SHEET 2
  - PRODUCT SPECIFICATION: PS-43879-001
  - PACKAGING: PK-43879-001
  - THIS PART MATES WITH RECEPTACLE NUMBERS 5557 AND 42474
  - THIS PART MATES WITH HEADER NUMBER 42385
  - PART ALLOWS FOR 1.27/.050 MAX. MIS-ALIGNMENT WITH MATING HOUSING IN ANY DIRECTION
  - DRILLED HOLE DIAMETER IS EQUIVALENT TO 5/64 INCH STANDARD DRILL BIT
  - CONNECTOR ASSEMBLIES ARE NOT DESIGNED TO BE MATED AND UNMATED WHILE CIRCUITS ARE LIVE
  - PART IS NOT DESIGNED FOR CURRENT SHARING
  - PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002

PCB LAYOUT: COMPONENT SIDE  
RECOMMENDED MINIMUM PCB THICKNESS:  $\frac{2.24}{.088}$

|       |     |
|-------|-----|
| 2     | K   |
| 1     | K2  |
| SHEET | REV |

|                           |                                                                                                                             |                               |                                                                                                                               |                       |                          |                             |                |                              |                        |                                                 |  |  |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------|-----------------------------|----------------|------------------------------|------------------------|-------------------------------------------------|--|--|
| UPDT PCB TAIL LENGT<br>K2 | EC NO: UCP2008-2722<br>2008/05/07<br>DRWN: J.BELL<br>2008/05/28<br>CHKD: AELHAG<br>2008/05/28<br>APPR: FSM/TH<br>2008/05/28 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                         |                       | DIMENSION STYLE<br>MM/IN |                             | SCALE<br>---   | DESIGN UNITS<br>METRIC       | THIRD ANGLE PROJECTION |                                                 |  |  |
|                           |                                                                                                                             |                               | 4 PLACES ± --- ± ---                                                                                                          | 3 PLACES ± --- ± .010 | 2 PLACES ± 0.25 ± .014   | 1 PLACE ± 0.35 ± ---        | ANGULAR ± 1/2° | DRAWN BY<br>MANLAPAZ         | DATE<br>1998/04/08     | TITLE<br>MINI-FIT JR<br>BMI/CPI HEADER ASSEMBLY |  |  |
|                           |                                                                                                                             |                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                    |                       |                          | MATERIAL NO.<br>SEE SHEET 2 |                | DOCUMENT NO.<br>SD-43879-021 |                        | SHEET NO.<br>1 OF 2                             |  |  |
|                           |                                                                                                                             |                               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                       |                          |                             |                |                              |                        |                                                 |  |  |

| FINISH: 1<br>TIN OVER NICKEL |              | FINISH: 2<br>GOLD & TIN/LEAD OVER NICKEL |              | FINISH: 3<br>TIN/LEAD OVER NICKEL |              | FINISH: 4<br>GOLD & TIN OVER NICKEL |              | FINISH: 5<br>GOLD & TIN/LEAD OVER NICKEL |              |
|------------------------------|--------------|------------------------------------------|--------------|-----------------------------------|--------------|-------------------------------------|--------------|------------------------------------------|--------------|
| CKTS                         | MATERIAL NO. | CKTS                                     | MATERIAL NO. | CKTS                              | MATERIAL NO. | CKTS                                | MATERIAL NO. | CKTS                                     | MATERIAL NO. |
| 04                           | 43879-0022   | 04                                       | 43879-0033   | 04                                | 43879-0044   | 04                                  | 43879-0055   | 04                                       | 43879-0066   |
| 06                           | 43879-0023   | 06                                       | 43879-0034   | 06                                | 43879-0045   | 06                                  | 43879-0056   | 06                                       | 43879-0067   |
| 08                           | NOT TOOLED   | 08                                       | NOT TOOLED   | 08                                | NOT TOOLED   | 08                                  | NOT TOOLED   | 08                                       | NOT TOOLED   |
| 10                           | 43879-0025   | 10                                       | 43879-0036   | 10                                | 43879-0047   | 10                                  | 43879-0058   | 10                                       | 43879-0069   |
| 12                           | NOT TOOLED   | 12                                       | NOT TOOLED   | 12                                | NOT TOOLED   | 12                                  | NOT TOOLED   | 12                                       | NOT TOOLED   |
| 14                           | 43879-0027   | 14                                       | 43879-0038   | 14                                | 43879-0049   | 14                                  | 43879-0060   | 14                                       | 43879-0071   |
| 16                           | NOT TOOLED   | 16                                       | NOT TOOLED   | 16                                | NOT TOOLED   | 16                                  | NOT TOOLED   | 16                                       | NOT TOOLED   |
| 18                           | 43879-0029   | 18                                       | 43879-0040   | 18                                | 43879-0051   | 18                                  | 43879-0062   | 18                                       | 43879-0073   |
| 20                           | NOT TOOLED   | 20                                       | NOT TOOLED   | 20                                | NOT TOOLED   | 20                                  | NOT TOOLED   | 20                                       | NOT TOOLED   |
| 22                           | NOT TOOLED   | 22                                       | NOT TOOLED   | 22                                | NOT TOOLED   | 22                                  | NOT TOOLED   | 22                                       | NOT TOOLED   |
| 24                           | 43879-0032   | 24                                       | 43879-0043   | 24                                | 43879-0054   | 24                                  | 43879-0065   | 24                                       | 43879-0076   |

FINISH:

1 - 0.00254/.000100 MIN. BRIGHT TIN OVER 0.00127/.000050 MIN. NICKEL OVERALL.

2 - 0.00076/.000030 MIN. GOLD IN CONTACT AREA, 0.00254/.000100 MIN. 90/10 MATTE TIN/LEAD IN TAIL AREA, OVER 0.00127/.000050 MIN. NICKEL OVERALL.

3 - 0.00254/.000100 MIN. 90/10 BRIGHT TIN/LEAD OVER 0.00127/.000050 MIN. NICKEL OVERALL.

4 - 0.00076/.000030 MIN. GOLD IN CONTACT AREA, 0.00254/.000100 MIN. MATTE TIN IN TAIL AREA, OVER 0.00127/.000050 MIN. NICKEL OVERALL.

5 - 0.00076/.000030 MIN. GOLD IN CONTACT AREA, 0.00076-0.00178/.000030-.000070 90/10 MATTE TIN/LEAD IN TAIL AREA, OVER 0.00127/.000050 MIN. NICKEL OVERALL.

| SEE SHEET ONE<br>EC NO: UCP2007-2985<br>DRWN:LSCHMIDT 2007/06/15<br>CHKD:JBELL 2007/06/18<br>APPR:FSMTH 2007/06/20 | QUALITY SYMBOLS                                                                                                               | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                                                                                                                                                                                                                                       | DIMENSION STYLE | SCALE                                  | DESIGN UNITS | THIRD ANGLE PROJECTION |       |       |          |       |        |          |        |        |         |        |       |       |     |        |  |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------|--------------|------------------------|-------|-------|----------|-------|--------|----------|--------|--------|---------|--------|-------|-------|-----|--------|--|
|                                                                                                                    | ▽=0<br>▽=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>± .014</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.35</td> <td>± ---</td> </tr> </tbody> </table> |                 | mm                                     | INCH         | 4 PLACES               | ± --- | ± --- | 3 PLACES | ± --- | ± .010 | 2 PLACES | ± 0.25 | ± .014 | 1 PLACE | ± 0.35 | ± --- | MM/IN | --- | METRIC |  |
|                                                                                                                    |                                                                                                                               | mm                                                                                                                                                                                                                                                                                                                                                          | INCH            |                                        |              |                        |       |       |          |       |        |          |        |        |         |        |       |       |     |        |  |
|                                                                                                                    | 4 PLACES                                                                                                                      | ± ---                                                                                                                                                                                                                                                                                                                                                       | ± ---           |                                        |              |                        |       |       |          |       |        |          |        |        |         |        |       |       |     |        |  |
| 3 PLACES                                                                                                           | ± ---                                                                                                                         | ± .010                                                                                                                                                                                                                                                                                                                                                      |                 |                                        |              |                        |       |       |          |       |        |          |        |        |         |        |       |       |     |        |  |
| 2 PLACES                                                                                                           | ± 0.25                                                                                                                        | ± .014                                                                                                                                                                                                                                                                                                                                                      |                 |                                        |              |                        |       |       |          |       |        |          |        |        |         |        |       |       |     |        |  |
| 1 PLACE                                                                                                            | ± 0.35                                                                                                                        | ± ---                                                                                                                                                                                                                                                                                                                                                       |                 |                                        |              |                        |       |       |          |       |        |          |        |        |         |        |       |       |     |        |  |
| DESCRIPTION                                                                                                        | DRAWN BY                                                                                                                      | DATE                                                                                                                                                                                                                                                                                                                                                        | TITLE           | MINI-FIT JR<br>BMI/CPI HEADER ASSEMBLY |              |                        |       |       |          |       |        |          |        |        |         |        |       |       |     |        |  |
| REV                                                                                                                | CHECKED BY                                                                                                                    | DATE                                                                                                                                                                                                                                                                                                                                                        | APPROVED BY     |                                        |              |                        |       |       |          |       |        |          |        |        |         |        |       |       |     |        |  |
|                                                                                                                    | EDGLEY                                                                                                                        | 1998/04/08                                                                                                                                                                                                                                                                                                                                                  | 1998/04/08      | Molex MOLEX INCORPORATED               |              |                        |       |       |          |       |        |          |        |        |         |        |       |       |     |        |  |
|                                                                                                                    | MATERIAL NO.                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                             | DOCUMENT NO.    | SHEET NO.                              |              |                        |       |       |          |       |        |          |        |        |         |        |       |       |     |        |  |
|                                                                                                                    | SEE CHART                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                             | SD-43879-021    | 2 OF 2                                 |              |                        |       |       |          |       |        |          |        |        |         |        |       |       |     |        |  |
|                                                                                                                    | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                          |                                                                                                                                                                                                                                                                                                                                                             |                 |                                        |              |                        |       |       |          |       |        |          |        |        |         |        |       |       |     |        |  |
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