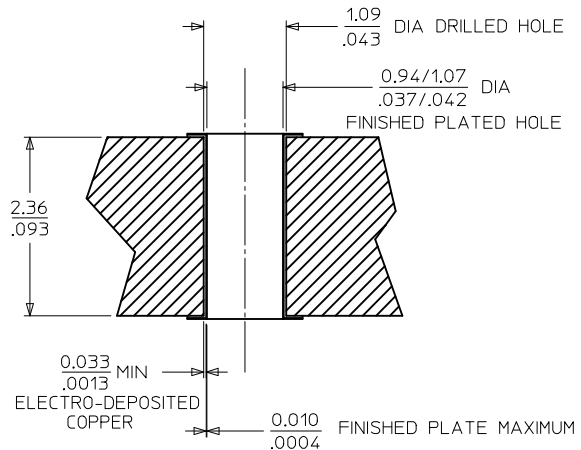
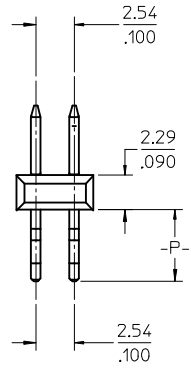
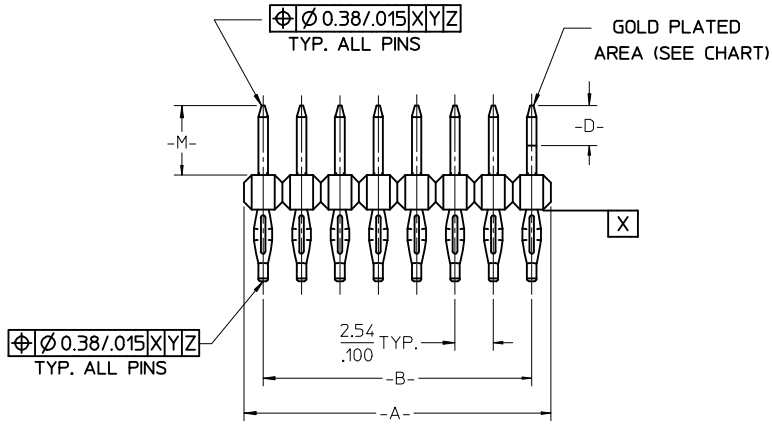
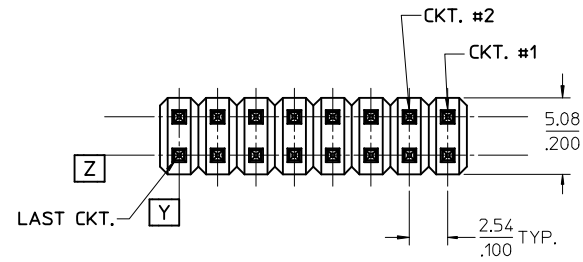


J  
I  
H  
G  
F  
E  
D  
C  
B  
A

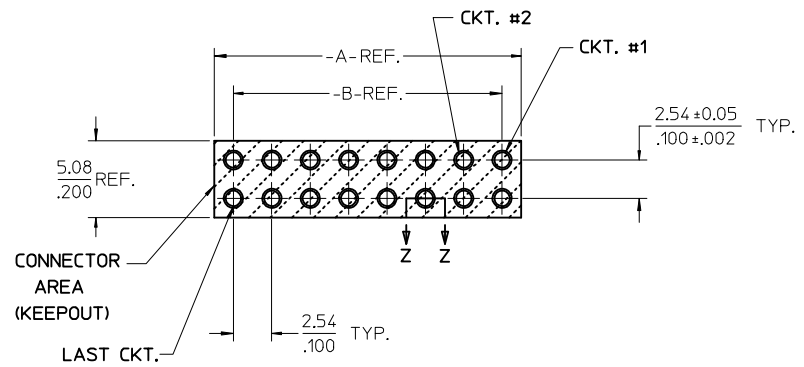
13 12 11 10 9 8 7 6 5 4 3 2 1



SECTION Z-Z  
SCALE: 20/1

- NOTES:
1. MATERIAL:  
INSULATOR: 30 % GLASS FILLED LCP, UL94V-0, COLOR: BLACK.  
TERMINAL: COPPER ALLOY.
  2. FINISH:  
INSULATOR: NONE,  
TERMINAL: PLATING (SEE CHART):  
"A"- SELECT GOLD (0.76 MICROMETERS)/30 MICROINCHES MINIMUM,  
SELECT MATTE TIN (2.54 MICROMETERS)/100 MICROINCHES MINIMUM.  
OVER NICKEL, (FORMERLY TIN LEAD)  
"B"- SELECT GOLD (0.38 MICROMETERS)/15 MICROINCHES MINIMUM,  
SELECT MATTE TIN (2.54 MICROMETERS)/100 MICROINCHES MINIMUM.  
OVER NICKEL, (FORMERLY TIN LEAD)  
"C"- TIN (5.08 MICROMETERS)/200 MICROINCHES MINIMUM OVER NICKEL.  
"D"- SELECT GOLD (1.27 MICROMETERS)/50 MICROINCHES MINIMUM,  
SELECT MATTE TIN (2.54 MICROMETERS)/100 MICROINCHES MINIMUM.  
OVER NICKEL, (FORMERLY TIN LEAD)
  3. PRODUCT SPECIFICATION: PS-75100-001.
  4. PACKAGING SPECIFICATION: PK-70873-0353.
  5. RECOMMENDED PCB THICKNESS: (2.36)/.093 MINIMUM
  6. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002.

THE PRIMARY CARTON WITH A LABEL STATING  
"ELV AND RoHS COMPLIANT" IS LEAD FREE.  
CARTONS WITHOUT THIS LABEL MAY CONTAIN LEAD.



RECOMMENDED PCB LAYOUT  
(COMPONENT SIDE)

| CIRCUIT SIZE | DIM -A-     | DIM -B-    |
|--------------|-------------|------------|
| 4            | 4.83/190    | 2.54/100   |
| 6            | 7.37/290    | 5.08/200   |
| 8            | 9.91/390    | 7.62/300   |
| 10           | 12.45/490   | 10.16/400  |
| 12           | 14.99/590   | 12.70/500  |
| 14           | 17.53/690   | 15.24/600  |
| 16           | 20.07/790   | 17.78/700  |
| 18           | 22.61/890   | 20.32/800  |
| 20           | 25.15/990   | 22.86/900  |
| 22           | 27.69/1090  | 25.40/1000 |
| 24           | 30.23/1190  | 27.94/1100 |
| 26           | 32.77/1290  | 30.48/1200 |
| 28           | 35.31/1390  | 33.02/1300 |
| 30           | 37.85/1490  | 35.56/1400 |
| 32           | 40.39/1590  | 38.10/1500 |
| 34           | 42.93/1690  | 40.64/1600 |
| 36           | 45.47/1790  | 43.18/1700 |
| 38           | 48.01/1890  | 45.72/1800 |
| 40           | 50.55/1990  | 48.26/1900 |
| 42           | 53.09/2090  | 50.80/2000 |
| 44           | 55.63/2190  | 53.34/2100 |
| 46           | 58.17/2290  | 55.88/2200 |
| 48           | 60.71/2390  | 58.42/2300 |
| 50           | 63.25/2490  | 60.96/2400 |
| 52           | 65.79/2590  | 63.50/2500 |
| 54           | 68.33/2690  | 66.04/2600 |
| 56           | 70.87/2790  | 68.58/2700 |
| 58           | 73.41/2890  | 71.12/2800 |
| 60           | 75.95/2990  | 73.66/2900 |
| 62           | 78.49/3090  | 76.20/3000 |
| 64           | 81.03/3190  | 78.74/3100 |
| 66           | 83.57/3290  | 81.28/3200 |
| 68           | 86.11/3390  | 83.82/3300 |
| 70           | 88.65/3490  | 86.36/3400 |
| 72           | 91.19/3590  | 88.90/3500 |
| 74           | 93.73/3690  | 91.44/3600 |
| 76           | 96.27/3790  | 93.98/3700 |
| 78           | 98.81/3890  | 96.52/3800 |
| 80           | 101.35/3990 | 99.06/3900 |

|                                                                                                                             |     |             |                                      |                                       |                |                                                                                                                                  |               |                     |                      |                        |                    |                        |                    |                    |                    |
|-----------------------------------------------------------------------------------------------------------------------------|-----|-------------|--------------------------------------|---------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------|----------------------|------------------------|--------------------|------------------------|--------------------|--------------------|--------------------|
| ADD 50 MICRONCH GOLD<br>EC NO: UCP2014-2991<br>DRWN:RWHIPPLE 2014/01/20<br>CHKD:MP0FF 2014/01/20<br>APPR:SMILLER 2014/01/28 | REV | DESCRIPTION | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |                | DIMENSION STYLE<br>MM/IN                                                                                                         |               | SCALE<br>4:1        | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION |                    |                        |                    |                    |                    |
|                                                                                                                             |     |             |                                      | 4 PLACES ± ---                        | 3 PLACES ± --- | 2 PLACES ± 0.25                                                                                                                  | 1 PLACE ± --- | 0 PLACE ±           | DRAWN BY<br>MARGULIS |                        | DATE<br>2002/03/11 | CHECKED BY<br>MARGULIS | DATE<br>2002/03/11 | APPROVED BY<br>FRY | DATE<br>2002/03/11 |
|                                                                                                                             |     |             |                                      |                                       |                |                                                                                                                                  |               |                     |                      |                        |                    |                        |                    |                    |                    |
|                                                                                                                             |     |             |                                      |                                       |                |                                                                                                                                  |               |                     |                      |                        |                    |                        |                    |                    |                    |
|                                                                                                                             |     |             |                                      |                                       |                |                                                                                                                                  |               |                     |                      |                        |                    |                        |                    |                    |                    |
| ANGULAR ±1/2°                                                                                                               |     |             |                                      | MATERIAL NO.<br>SEE CHART             |                | DOCUMENT NO.<br>SD-75102-001                                                                                                     |               | SHEET NO.<br>1 OF 4 |                      |                        |                    |                        |                    |                    |                    |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                  |     |             |                                      | SIZE<br>C                             |                | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |               |                     |                      |                        |                    |                        |                    |                    |                    |

CGRID 100 HEADER DUAL ROW  
.COMPLIANT PIN

|                  |               |
|------------------|---------------|
| DIM M:           | 6.10/.240     |
| DIM P:           | 4.75/.187     |
| PLATING:         | *A*-30 GOLD   |
| GOLD AREA DIM D: | 5.08/.200     |
| TIN AREA:        | 4.75/.187     |
| VOID CKT:        | NONE          |
| PACKAGING:       | PK-70873-0353 |

| CKT | MATERIAL NO. | CKT | MATERIAL NO. |
|-----|--------------|-----|--------------|
| --  | --           | 42  | 75102-0020   |
| 04  | 75102-0001   | 44  | 75102-0021   |
| 06  | 75102-0002   | 46  | 75102-0022   |
| 08  | 75102-0003   | 48  | 75102-0023   |
| 10  | 75102-0004   | 50  | 75102-0024   |
| 12  | 75102-0005   | 52  | 75102-0025   |
| 14  | 75102-0006   | 54  | 75102-0026   |
| 16  | 75102-0007   | 56  | 75102-0027   |
| 18  | 75102-0008   | 58  | 75102-0028   |
| 20  | 75102-0009   | 60  | 75102-0029   |
| 22  | 75102-0010   | 62  | 75102-0030   |
| 24  | 75102-0011   | 64  | 75102-0031   |
| 26  | 75102-0012   | 66  | 75102-0032   |
| 28  | 75102-0013   | 68  | 75102-0033   |
| 30  | 75102-0014   | 70  | 75102-0034   |
| 32  | 75102-0015   | 72  | 75102-0035   |
| 34  | 75102-0016   | 74  | 75102-0036   |
| 36  | 75102-0017   | 76  | 75102-0037   |
| 38  | 75102-0018   | 78  | 75102-0038   |
| 40  | 75102-0019   | 80  | 75102-0039   |

|                  |               |
|------------------|---------------|
| DIM M:           | 6.10/.240     |
| DIM P:           | 4.75/.187     |
| PLATING:         | *B*-15 GOLD   |
| GOLD AREA DIM D: | 5.08/.200     |
| TIN AREA:        | 4.75/.187     |
| VOID CKT:        | NONE          |
| PACKAGING:       | PK-70873-0353 |

| CKT | MATERIAL NO. | CKT | MATERIAL NO. |
|-----|--------------|-----|--------------|
| --  | --           | 42  | 75102-0059   |
| 04  | 75102-0040   | 44  | 75102-0060   |
| 06  | 75102-0041   | 46  | 75102-0061   |
| 08  | 75102-0042   | 48  | 75102-0062   |
| 10  | 75102-0043   | 50  | 75102-0063   |
| 12  | 75102-0044   | 52  | 75102-0064   |
| 14  | 75102-0045   | 54  | 75102-0065   |
| 16  | 75102-0046   | 56  | 75102-0066   |
| 18  | 75102-0047   | 58  | 75102-0067   |
| 20  | 75102-0048   | 60  | 75102-0068   |
| 22  | 75102-0049   | 62  | 75102-0069   |
| 24  | 75102-0050   | 64  | 75102-0070   |
| 26  | 75102-0051   | 66  | 75102-0071   |
| 28  | 75102-0052   | 68  | 75102-0072   |
| 30  | 75102-0053   | 70  | 75102-0073   |
| 32  | 75102-0054   | 72  | 75102-0074   |
| 34  | 75102-0055   | 74  | 75102-0075   |
| 36  | 75102-0056   | 76  | 75102-0076   |
| 38  | 75102-0057   | 78  | 75102-0077   |
| 40  | 75102-0058   | 80  | 75102-0078   |

|                  |               |
|------------------|---------------|
| DIM M:           | 6.10/.240     |
| DIM P:           | 4.75/.187     |
| PLATING:         | *C*-TIN       |
| GOLD AREA DIM D: | N/A           |
| TIN AREA:        | OVERALL       |
| VOID CKT:        | NONE          |
| PACKAGING:       | PK-70873-0353 |

| CKT | MATERIAL NO. | CKT | MATERIAL NO. |
|-----|--------------|-----|--------------|
| --  | --           | 42  | 75102-0098   |
| 04  | 75102-0079   | 44  | 75102-0099   |
| 06  | 75102-0080   | 46  | 75102-0100   |
| 08  | 75102-0081   | 48  | 75102-0101   |
| 10  | 75102-0082   | 50  | 75102-0102   |
| 12  | 75102-0083   | 52  | 75102-0103   |
| 14  | 75102-0084   | 54  | 75102-0104   |
| 16  | 75102-0085   | 56  | 75102-0105   |
| 18  | 75102-0086   | 58  | 75102-0106   |
| 20  | 75102-0087   | 60  | 75102-0107   |
| 22  | 75102-0088   | 62  | 75102-0108   |
| 24  | 75102-0089   | 64  | 75102-0109   |
| 26  | 75102-0090   | 66  | 75102-0110   |
| 28  | 75102-0091   | 68  | 75102-0111   |
| 30  | 75102-0092   | 70  | 75102-0112   |
| 32  | 75102-0093   | 72  | 75102-0113   |
| 34  | 75102-0094   | 74  | 75102-0114   |
| 36  | 75102-0095   | 76  | 75102-0115   |
| 38  | 75102-0096   | 78  | 75102-0116   |
| 40  | 75102-0097   | 80  | 75102-0117   |

|                                                                                                                               |                                      |                                                                                                                                                                                                                                           |                          |                    |                                                                                       |                        |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------|---------------------------------------------------------------------------------------|------------------------|
| SEE SHEET 1<br>EC NO: UCP2014-2991<br>DRAWN:RWHIPPLE 2014/01/20<br>CHKD:MPOFF 2014/01/20<br>APPR:SMILLER 2014/01/28           | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± .010<br>2 PLACES ± 0.25 ± ---<br>1 PLACE ± --- ± ---<br>0 PLACE ± ±<br>ANGULAR ±1/2°<br>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | DIMENSION STYLE<br>MM/IN | SCALE<br>4:1       | DESIGN UNITS<br>INCH                                                                  | THIRD ANGLE PROJECTION |
|                                                                                                                               |                                      |                                                                                                                                                                                                                                           | DRAWN BY<br>MARGULIS     | DATE<br>2002/03/11 | TITLE<br>NA<br>WITH CPI TERMINALS<br><br><b>molex</b><br>DOCUMENT NO.<br>SD-75102-001 |                        |
|                                                                                                                               |                                      |                                                                                                                                                                                                                                           | CHECKED BY<br>MARGULIS   | DATE<br>2002/03/11 |                                                                                       |                        |
|                                                                                                                               |                                      |                                                                                                                                                                                                                                           | APPROVED BY<br>FRY       | DATE<br>2002/03/11 |                                                                                       |                        |
| MATERIAL NO.<br>SEE CHART                                                                                                     |                                      |                                                                                                                                                                                                                                           | SHEET NO.<br>2 OF 4      |                    |                                                                                       |                        |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                      |                                                                                                                                                                                                                                           |                          |                    |                                                                                       |                        |

CGRID 100 HEADER DUAL ROW  
.COMPLIANT PIN

|                  |              |               |              |
|------------------|--------------|---------------|--------------|
| DIM M:           |              | 6.10/.240     |              |
| DIM P:           |              | 4.75/.187     |              |
| PLATING:         |              | *A*-30 GOLD   |              |
| GOLD AREA DIM D: |              | 5.08/.200     |              |
| TIN AREA:        |              | 4.75/.187     |              |
| VOID CKT:        |              | 37            |              |
| PACKAGING:       |              | PK-70873-0353 |              |
|                  |              |               |              |
| CKT              | MATERIAL NO. | CKT           | MATERIAL NO. |
| --               | --           | 42            | 75102-0020   |
| 04               | --           | 44            | 75102-0021   |
| 06               | --           | 46            | 75102-0022   |
| 08               | --           | 48            | 75102-0023   |
| 10               | --           | 50            | 75102-0024   |
| 12               | --           | 52            | 75102-0025   |
| 14               | --           | 54            | 75102-0026   |
| 16               | --           | 56            | 75102-0027   |
| 18               | --           | 58            | 75102-0028   |
| 20               | --           | 60            | 75102-0029   |
| 22               | --           | 62            | 75102-0030   |
| 24               | --           | 64            | 75102-0031   |
| 26               | --           | 66            | 75102-0032   |
| 28               | --           | 68            | 75102-0033   |
| 30               | --           | 70            | 75102-0034   |
| 32               | --           | 72            | 75102-0035   |
| 34               | --           | 74            | 75102-0036   |
| 36               | --           | 76            | 75102-0037   |
| 38               | 75102-0018   | 78            | 75102-0038   |
| 40               | 75102-0020   | 80            | 75102-0039   |

|                  |              |               |              |
|------------------|--------------|---------------|--------------|
| DIM M:           |              | 6.10/.240     |              |
| DIM P:           |              | 4.75/.187     |              |
| PLATING:         |              | *A*-30 GOLD   |              |
| GOLD AREA DIM D: |              | 5.08/.200     |              |
| TIN AREA:        |              | 4.75/.187     |              |
| VOID CKT:        |              | 28            |              |
| PACKAGING:       |              | PK-70873-0353 |              |
|                  |              |               |              |
| CKT              | MATERIAL NO. | CKT           | MATERIAL NO. |
| --               | --           | 42            | 75102-0147   |
| 04               | --           | 44            | 75102-0148   |
| 06               | --           | 46            | 75102-0149   |
| 08               | --           | 48            | 75102-0150   |
| 10               | --           | 50            | 75102-0151   |
| 12               | --           | 52            | 75102-0152   |
| 14               | --           | 54            | 75102-0153   |
| 16               | --           | 56            | 75102-0154   |
| 18               | --           | 58            | 75102-0155   |
| 20               | --           | 60            | 75102-0156   |
| 22               | --           | 62            | 75102-0157   |
| 24               | --           | 64            | 75102-0158   |
| 26               | --           | 66            | 75102-0159   |
| 28               | 75102-0141   | 68            | 75102-0160   |
| 30               | 75102-0142   | 70            | 75102-0161   |
| 32               | 75102-0143   | 72            | 75102-0162   |
| 34               | 75102-0144   | 74            | 75102-0163   |
| 36               | 75102-0145   | 76            | 75102-0164   |
| 38               | 75102-0119   | 78            | 75102-0165   |
| 40               | 75102-0146   | 80            | 75102-0166   |

|                  |              |               |              |
|------------------|--------------|---------------|--------------|
| DIM M:           |              | 6.10/.240     |              |
| DIM P:           |              | 4.75/.187     |              |
| PLATING:         |              | *A*-30 GOLD   |              |
| GOLD AREA DIM D: |              | 5.08/.200     |              |
| TIN AREA:        |              | 4.75/.187     |              |
| VOID CKT:        |              | 10            |              |
| PACKAGING:       |              | PK-70873-0353 |              |
|                  |              |               |              |
| CKT              | MATERIAL NO. | CKT           | MATERIAL NO. |
| --               | --           | 42            | 75102-0183   |
| 04               | --           | 44            | 75102-0184   |
| 06               | --           | 46            | 75102-0185   |
| 08               | --           | 48            | 75102-0186   |
| 10               | 75102-0167   | 50            | 75102-0187   |
| 12               | 75102-0168   | 52            | 75102-0188   |
| 14               | 75102-0169   | 54            | 75102-0189   |
| 16               | 75102-0170   | 56            | 75102-0190   |
| 18               | 75102-0171   | 58            | 75102-0191   |
| 20               | 75102-0172   | 60            | 75102-0192   |
| 22               | 75102-0173   | 62            | 75102-0193   |
| 24               | 75102-0174   | 64            | 75102-0194   |
| 26               | 75102-0175   | 66            | 75102-0195   |
| 28               | 75102-0176   | 68            | 75102-0196   |
| 30               | 75102-0177   | 70            | 75102-0197   |
| 32               | 75102-0178   | 72            | 75102-0198   |
| 34               | 75102-0179   | 74            | 75102-0199   |
| 36               | 75102-0180   | 76            | 75102-0200   |
| 38               | 75102-0181   | 78            | 75102-0201   |
| 40               | 75102-0182   | 80            | 75102-0202   |

|                                                                                                                          |     |             |                 |                                                      |  |                                                                                                                               |  |                          |              |                        |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------|-----|-------------|-----------------|------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|--------------|------------------------|--|--|--|
| SEE SHEET 1<br>EC NO: UCP2014-2991<br>DRAWN BY WHIPPLE 2014/01/20<br>CHKD BY MOFF 2014/01/20<br>APPR: SMILLER 2014/01/28 | REV | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                |  | DIMENSION STYLE                                                                                                               |  | SCALE                    | DESIGN UNITS | THIRD ANGLE PROJECTION |  |  |  |
|                                                                                                                          |     |             |                 |                                                      |  | MM/IN                                                                                                                         |  | 4:1                      | INCH         |                        |  |  |  |
|                                                                                                                          |     |             |                 | ANGULAR ±1/2°                                        |  | DRAWN BY DATE                                                                                                                 |  | TITLE                    |              |                        |  |  |  |
|                                                                                                                          |     |             |                 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | MARGULIS 2002/03/11                                                                                                           |  |                          |              |                        |  |  |  |
|                                                                                                                          |     |             |                 |                                                      |  | CHECKED BY DATE                                                                                                               |  | NA<br>WITH CPI TERMINALS |              |                        |  |  |  |
|                                                                                                                          |     |             |                 |                                                      |  | MARGULIS 2002/03/11                                                                                                           |  |                          |              |                        |  |  |  |
|                                                                                                                          |     |             |                 |                                                      |  | APPROVED BY DATE                                                                                                              |  |                          |              |                        |  |  |  |
|                                                                                                                          |     |             |                 |                                                      |  | FRY 2002/03/11                                                                                                                |  |                          |              |                        |  |  |  |
|                                                                                                                          |     |             |                 |                                                      |  | MATERIAL NO.                                                                                                                  |  | DOCUMENT NO.             |              | SHEET NO.              |  |  |  |
|                                                                                                                          |     |             |                 |                                                      |  | SEE CHART                                                                                                                     |  |                          |              |                        |  |  |  |
|                                                                                                                          |     |             |                 |                                                      |  | SIZE                                                                                                                          |  | SD-75102-001             |              | 3 OF 4                 |  |  |  |
|                                                                                                                          |     |             |                 |                                                      |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                          |              |                        |  |  |  |

CGRID 100 HEADER DUAL ROW  
.COMPLIANT PIN

|                  |               |
|------------------|---------------|
| DIM M:           | 6.10/.240     |
| DIM P:           | 4.75/.187     |
| PLATING:         | *D*-50 GOLD   |
| GOLD AREA DIM D: | 5.08/.200     |
| TIN AREA:        | 4.75/.187     |
| VOID CKT:        | NONE          |
| PACKAGING:       | PK-70873-0353 |

| CKT | MATERIAL NO. | CKT | MATERIAL NO. |
|-----|--------------|-----|--------------|
| --  | --           | 42  | 75102-0222   |
| 04  | 75102-0203   | 44  | 75102-0223   |
| 06  | 75102-0204   | 46  | 75102-0224   |
| 08  | 75102-0205   | 48  | 75102-0225   |
| 10  | 75102-0206   | 50  | 75102-0226   |
| 12  | 75102-0207   | 52  | 75102-0227   |
| 14  | 75102-0208   | 54  | 75102-0028   |
| 16  | 75102-0209   | 56  | 75102-0229   |
| 18  | 75102-0210   | 58  | 75102-0230   |
| 20  | 75102-0211   | 60  | 75102-0231   |
| 22  | 75102-0212   | 62  | 75102-0232   |
| 24  | 75102-0213   | 64  | 75102-0233   |
| 26  | 75102-0214   | 66  | 75102-0234   |
| 28  | 75102-0215   | 68  | 75102-0235   |
| 30  | 75102-0216   | 70  | 75102-0236   |
| 32  | 75102-0217   | 72  | 75102-0237   |
| 34  | 75102-0218   | 74  | 75102-0238   |
| 36  | 75102-0219   | 76  | 75102-0239   |
| 38  | 75102-0220   | 78  | 75102-0240   |
| 40  | 75102-0221   | 80  | 75102-0241   |

|                  |  |
|------------------|--|
| DIM M:           |  |
| DIM P:           |  |
| PLATING:         |  |
| GOLD AREA DIM D: |  |
| TIN AREA:        |  |
| VOID CKT:        |  |
| PACKAGING:       |  |

| CKT | MATERIAL NO. | CKT | MATERIAL NO. |
|-----|--------------|-----|--------------|
| --  | --           | 42  |              |
| 04  |              | 44  |              |
| 06  |              | 46  |              |
| 08  |              | 48  |              |
| 10  |              | 50  |              |
| 12  |              | 52  |              |
| 14  |              | 54  |              |
| 16  |              | 56  |              |
| 18  |              | 58  |              |
| 20  |              | 60  |              |
| 22  |              | 62  |              |
| 24  |              | 64  |              |
| 26  |              | 66  |              |
| 28  |              | 68  |              |
| 30  |              | 70  |              |
| 32  |              | 72  |              |
| 34  |              | 74  |              |
| 36  |              | 76  |              |
| 38  |              | 78  |              |
| 40  |              | 80  |              |

|                  |  |
|------------------|--|
| DIM M:           |  |
| DIM P:           |  |
| PLATING:         |  |
| GOLD AREA DIM D: |  |
| TIN AREA:        |  |
| VOID CKT:        |  |
| PACKAGING:       |  |

| CKT | MATERIAL NO. | CKT | MATERIAL NO. |
|-----|--------------|-----|--------------|
| --  | --           | 42  |              |
| 04  |              | 44  |              |
| 06  |              | 46  |              |
| 08  |              | 48  |              |
| 10  |              | 50  |              |
| 12  |              | 52  |              |
| 14  |              | 54  |              |
| 16  |              | 56  |              |
| 18  |              | 58  |              |
| 20  |              | 60  |              |
| 22  |              | 62  |              |
| 24  |              | 64  |              |
| 26  |              | 66  |              |
| 28  |              | 68  |              |
| 30  |              | 70  |              |
| 32  |              | 72  |              |
| 34  |              | 74  |              |
| 36  |              | 76  |              |
| 38  |              | 78  |              |
| 40  |              | 80  |              |

|                                                                                                                               |          |                                                     |                                       |            |                          |                                        |                                    |                                   |                        |
|-------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------|---------------------------------------|------------|--------------------------|----------------------------------------|------------------------------------|-----------------------------------|------------------------|
| SEE SHEET 1<br>EC NO: UCP2014-2991<br>DRAWN:RHIPPLE 2014/01/20<br>CHKD:MP0FF 2014/01/20<br>APPR:SMILLER 2014/01/28            | REV<br>H | DESCRIPTION<br>QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |            | DIMENSION STYLE<br>MM/IN |                                        | SCALE<br>4:1                       | DESIGN UNITS<br>INCH              | THIRD ANGLE PROJECTION |
|                                                                                                                               |          |                                                     | 4 PLACES ±                            | mm         | INCH                     | DRAWN BY DATE<br>MARGULIS 2002/03/11   |                                    | TITLE<br>NA<br>WITH CPI TERMINALS |                        |
|                                                                                                                               |          |                                                     |                                       | 3 PLACES ± | ±.010                    | CHECKED BY DATE<br>MARGULIS 2002/03/11 |                                    |                                   |                        |
|                                                                                                                               |          |                                                     |                                       |            | 2 PLACES ±               | ±0.25                                  | APPROVED BY DATE<br>FRY 2002/03/11 |                                   |                        |
| ANGULAR ±1/2°                                                                                                                 |          |                                                     | MATERIAL NO.                          |            | DOCUMENT NO.             |                                        | SHEET NO.                          |                                   |                        |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                          |          |                                                     | SEE CHART                             |            | SD-75102-001             |                                        | 4 OF 4                             |                                   |                        |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |          |                                                     |                                       |            |                          |                                        |                                    |                                   |                        |

# CGRID 100 HEADER DUAL ROW .COMPLIANT PIN

|                  |               |
|------------------|---------------|
| DIM M:           | 6.10/.240     |
| DIM P:           | 4.75/.187     |
| PLATING:         | "A" – 30 GOLD |
| GOLD AREA DIM D: | 5.08/.200     |
| TIN AREA:        | 4.75/.187     |
| VOID CKT:        | NONE          |
| PACKAGING:       | PK-70873-0353 |

| CKT | MATERIAL NO. | CKT | MATERIAL NO. |
|-----|--------------|-----|--------------|
| --  | --           | 42  | 75102-0020   |
| 04  | 75102-0001   | 44  | 75102-0021   |
| 06  | 75102-0002   | 46  | 75102-0022   |
| 08  | 75102-0003   | 48  | 75102-0023   |
| 10  | 75102-0004   | 50  | 75102-0024   |
| 12  | 75102-0005   | 52  | 75102-0025   |
| 14  | 75102-0006   | 54  | 75102-0026   |
| 16  | 75102-0007   | 56  | 75102-0027   |
| 18  | 75102-0008   | 58  | 75102-0028   |
| 20  | 75102-0009   | 60  | 75102-0029   |
| 22  | 75102-0010   | 62  | 75102-0030   |
| 24  | 75102-0011   | 64  | 75102-0031   |
| 26  | 75102-0012   | 66  | 75102-0032   |
| 28  | 75102-0013   | 68  | 75102-0033   |
| 30  | 75102-0014   | 70  | 75102-0034   |
| 32  | 75102-0015   | 72  | 75102-0035   |
| 34  | 75102-0016   | 74  | 75102-0036   |
| 36  | 75102-0017   | 76  | 75102-0037   |
| 38  | 75102-0018   | 78  | 75102-0038   |
| 40  | 75102-0019   | 80  | 75102-0039   |

|                  |               |
|------------------|---------------|
| DIM M:           | 6.10/.240     |
| DIM P:           | 4.75/.187     |
| PLATING:         | "B" – 15 GOLD |
| GOLD AREA DIM D: | 5.08/.200     |
| TIN AREA:        | 4.75/.187     |
| VOID CKT:        | NONE          |
| PACKAGING:       | PK-70873-0353 |

| CKT | MATERIAL NO. | CKT | MATERIAL NO. |
|-----|--------------|-----|--------------|
| --  | --           | 42  | 75102-0059   |
| 04  | 75102-0040   | 44  | 75102-0060   |
| 06  | 75102-0041   | 46  | 75102-0061   |
| 08  | 75102-0042   | 48  | 75102-0062   |
| 10  | 75102-0043   | 50  | 75102-0063   |
| 12  | 75102-0044   | 52  | 75102-0064   |
| 14  | 75102-0045   | 54  | 75102-0065   |
| 16  | 75102-0046   | 56  | 75102-0066   |
| 18  | 75102-0047   | 58  | 75102-0067   |
| 20  | 75102-0048   | 60  | 75102-0068   |
| 22  | 75102-0049   | 62  | 75102-0069   |
| 24  | 75102-0050   | 64  | 75102-0070   |
| 26  | 75102-0051   | 66  | 75102-0071   |
| 28  | 75102-0052   | 68  | 75102-0072   |
| 30  | 75102-0053   | 70  | 75102-0073   |
| 32  | 75102-0054   | 72  | 75102-0074   |
| 34  | 75102-0055   | 74  | 75102-0075   |
| 36  | 75102-0056   | 76  | 75102-0076   |
| 38  | 75102-0057   | 78  | 75102-0077   |
| 40  | 75102-0058   | 80  | 75102-0078   |

|                  |               |
|------------------|---------------|
| DIM M:           | 6.10/.240     |
| DIM P:           | 4.75/.187     |
| PLATING:         | "C" - TIN     |
| GOLD AREA DIM D: | N/A           |
| TIN AREA:        | OVERALL       |
| VOID CKT:        | NONE          |
| PACKAGING:       | PK-70873-0353 |

| CKT | MATERIAL NO. | CKT | MATERIAL NO. |
|-----|--------------|-----|--------------|
| --  | --           | 42  | 75102-0098   |
| 04  | 75102-0079   | 44  | 75102-0099   |
| 06  | 75102-0080   | 46  | 75102-0100   |
| 08  | 75102-0081   | 48  | 75102-0101   |
| 10  | 75102-0082   | 50  | 75102-0102   |
| 12  | 75102-0083   | 52  | 75102-0103   |
| 14  | 75102-0084   | 54  | 75102-0104   |
| 16  | 75102-0085   | 56  | 75102-0105   |
| 18  | 75102-0086   | 58  | 75102-0106   |
| 20  | 75102-0087   | 60  | 75102-0107   |
| 22  | 75102-0088   | 62  | 75102-0108   |
| 24  | 75102-0089   | 64  | 75102-0109   |
| 26  | 75102-0090   | 66  | 75102-0110   |
| 28  | 75102-0091   | 68  | 75102-0111   |
| 30  | 75102-0092   | 70  | 75102-0112   |
| 32  | 75102-0093   | 72  | 75102-0113   |
| 34  | 75102-0094   | 74  | 75102-0114   |
| 36  | 75102-0095   | 76  | 75102-0115   |
| 38  | 75102-0096   | 78  | 75102-0116   |
| 40  | 75102-0097   | 80  | 75102-0117   |

**NOTE: SHEET 1 IS AN ANNOTATOR DOCUMENT**

|                                          |                                        |                                                              |                                 |
|------------------------------------------|----------------------------------------|--------------------------------------------------------------|---------------------------------|
| REV:<br><b>E</b>                         | SEE SHT 1                              | TITLE:<br><b>.100 DUAL ROW HEADER<br/>WITH CPI TERMINALS</b> | SHEET No.<br><b>2</b>           |
| DOCUMENT NUMBER:<br><b>SD- 75102-001</b> | CREATED / REVISED BY:<br><b>SAMIEC</b> | CHECKED BY:<br><b>MARGULIS</b>                               | APPROVED BY:<br><b>MARGULIS</b> |

# CGRID 100 HEADER DUAL ROW .COMPLIANT PIN

|                  |               |
|------------------|---------------|
| DIM M:           | 6.10/.240     |
| DIM P:           | 4.75/.187     |
| PLATING:         | "A" – 30 GOLD |
| GOLD AREA DIM D: | 5.08/.200     |
| TIN AREA:        | 4.75/.187     |
| VOID CKT:        | 37            |
| PACKAGING:       | PK-70873-0353 |

| CKT | MATERIAL NO. | CKT | MATERIAL NO. |
|-----|--------------|-----|--------------|
| --  | --           | 42  | 75102-0121   |
| 04  | --           | 44  | 75102-0122   |
| 06  | --           | 46  | 75102-0123   |
| 08  | --           | 48  | 75102-0124   |
| 10  | --           | 50  | 75102-0125   |
| 12  | --           | 52  | 75102-0126   |
| 14  | --           | 54  | 75102-0127   |
| 16  | --           | 56  | 75102-0128   |
| 18  | --           | 58  | 75102-0129   |
| 20  | --           | 60  | 75102-0130   |
| 22  | --           | 62  | 75102-0131   |
| 24  | --           | 64  | 75102-0132   |
| 26  | --           | 66  | 75102-0133   |
| 28  | --           | 68  | 75102-0134   |
| 30  | --           | 70  | 75102-0135   |
| 32  | --           | 72  | 75102-0136   |
| 34  | --           | 74  | 75102-0137   |
| 36  | --           | 76  | 75102-0138   |
| 38  | 75102-0118   | 78  | 75102-0139   |
| 40  | 75102-0120   | 80  | 75102-0140   |

|                  |               |
|------------------|---------------|
| DIM M:           | 6.10/.240     |
| DIM P:           | 4.75/.187     |
| PLATING:         | "A" – 30 GOLD |
| GOLD AREA DIM D: | 5.08/.200     |
| TIN AREA:        | 4.75/.187     |
| VOID CKT:        | 28            |
| PACKAGING:       | PK-70873-0353 |

| CKT | MATERIAL NO. | CKT | MATERIAL NO. |
|-----|--------------|-----|--------------|
| --  | --           | 42  | 75102-0147   |
| 04  | --           | 44  | 75102-0148   |
| 06  | --           | 46  | 75102-0149   |
| 08  | --           | 48  | 75102-0150   |
| 10  | --           | 50  | 75102-0151   |
| 12  | --           | 52  | 75102-0152   |
| 14  | --           | 54  | 75102-0153   |
| 16  | --           | 56  | 75102-0154   |
| 18  | --           | 58  | 75102-0155   |
| 20  | --           | 60  | 75102-0156   |
| 22  | --           | 62  | 75102-0157   |
| 24  | --           | 64  | 75102-0158   |
| 26  | --           | 66  | 75102-0159   |
| 28  | 75102-0141   | 68  | 75102-0160   |
| 30  | 75102-0142   | 70  | 75102-0161   |
| 32  | 75102-0143   | 72  | 75102-0162   |
| 34  | 75102-0144   | 74  | 75102-0163   |
| 36  | 75102-0145   | 76  | 75102-0164   |
| 38  | 75102-0119   | 78  | 75102-0165   |
| 40  | 75102--0146  | 80  | 75102-0166   |

|                  |               |
|------------------|---------------|
| DIM M:           | 6.10/.240     |
| DIM P:           | 4.75/.187     |
| PLATING:         | "A" – 30 GOLD |
| GOLD AREA DIM D: | 5.08/.200     |
| TIN AREA:        | 4.75/.187     |
| VOID CKT:        | 10            |
| PACKAGING:       | PK-70873-0353 |

| CKT | MATERIAL NO. | CKT | MATERIAL NO. |
|-----|--------------|-----|--------------|
| --  | --           | 42  | 75102-0183   |
| 04  | --           | 44  | 75102-0184   |
| 06  | --           | 46  | 75102-0185   |
| 08  | --           | 48  | 75102-0186   |
| 10  | 75102-0167   | 50  | 75102-0187   |
| 12  | 75102-0168   | 52  | 75102-0188   |
| 14  | 75102-0169   | 54  | 75102-0189   |
| 16  | 75102-0170   | 56  | 75102-0190   |
| 18  | 75102-0171   | 58  | 75102-0191   |
| 20  | 75102-0172   | 60  | 75102-0192   |
| 22  | 75102-0173   | 62  | 75102-0193   |
| 24  | 75102-0174   | 64  | 75102-0194   |
| 26  | 75102-0175   | 66  | 75102-0195   |
| 28  | 75102-0176   | 68  | 75102-0196   |
| 30  | 75102-0177   | 70  | 75102-0197   |
| 32  | 75102-0178   | 72  | 75102-0198   |
| 34  | 75102-0179   | 74  | 75102-0199   |
| 36  | 75102-0180   | 76  | 75102-0200   |
| 38  | 75102-0181   | 78  | 75102-0201   |
| 40  | 75102-0182   | 80  | 75102-0202   |

|                                          |                                        |                                                              |                                 |
|------------------------------------------|----------------------------------------|--------------------------------------------------------------|---------------------------------|
| REV:<br><b>E</b>                         | SEE SHT 1                              | TITLE:<br><b>.100 DUAL ROW HEADER<br/>WITH CPI TERMINALS</b> | SHEET No.<br><b>3</b>           |
| DOCUMENT NUMBER:<br><b>SD- 75102-001</b> | CREATED / REVISED BY:<br><b>SAMIEC</b> | CHECKED BY:<br><b>MARGULIS</b>                               | APPROVED BY:<br><b>MARGULIS</b> |

# CGRID 100 HEADER DUAL ROW .COMPLIANT PIN

|                  |               |
|------------------|---------------|
| DIM M:           | 6.10/.240     |
| DIM P:           | 4.75/.187     |
| PLATING:         | "A" – 50 GOLD |
| GOLD AREA DIM D: | 5.08/.200     |
| TIN AREA:        | 4.75/.187     |
| VOID CKT:        | NONE          |
| PACKAGING:       | PK-70873-0353 |

| CKT | MATERIAL NO. | CKT | MATERIAL NO. |
|-----|--------------|-----|--------------|
| --  | --           | 42  | 75102-0222   |
| 04  | 75102-0203   | 44  | 75102-0223   |
| 06  | 75102-0204   | 46  | 75102-0224   |
| 08  | 75102-0205   | 48  | 75102-0225   |
| 10  | 75102-0206   | 50  | 75102-0226   |
| 12  | 75102-0207   | 52  | 75102-0227   |
| 14  | 75102-0208   | 54  | 75102-0228   |
| 16  | 75102-0209   | 56  | 75102-0229   |
| 18  | 75102-0210   | 58  | 75102-0230   |
| 20  | 75102-0211   | 60  | 75102-0231   |
| 22  | 75102-0212   | 62  | 75102-0232   |
| 24  | 75102-0213   | 64  | 75102-0233   |
| 26  | 75102-0214   | 66  | 75102-0234   |
| 28  | 75102-0215   | 68  | 75102-0235   |
| 30  | 75102-0216   | 70  | 75102-0236   |
| 32  | 75102-0217   | 72  | 75102-0237   |
| 34  | 75102-0218   | 74  | 75102-0238   |
| 36  | 75102-0219   | 76  | 75102-0239   |
| 38  | 75102-0220   | 78  | 75102-0240   |
| 40  | 75102-0221   | 80  | 75102-0241   |

|                  |  |
|------------------|--|
| DIM M:           |  |
| DIM P:           |  |
| PLATING:         |  |
| GOLD AREA DIM D: |  |
| TIN AREA:        |  |
| VOID CKT:        |  |
| PACKAGING:       |  |

| CKT | MATERIAL NO. | CKT | MATERIAL NO. |
|-----|--------------|-----|--------------|
| --  | --           | 42  |              |
| 04  |              | 44  |              |
| 06  |              | 46  |              |
| 08  |              | 48  |              |
| 10  |              | 50  |              |
| 12  |              | 52  |              |
| 14  |              | 54  |              |
| 16  |              | 56  |              |
| 18  |              | 58  |              |
| 20  |              | 60  |              |
| 22  |              | 62  |              |
| 24  |              | 64  |              |
| 26  |              | 66  |              |
| 28  |              | 68  |              |
| 30  |              | 70  |              |
| 32  |              | 72  |              |
| 34  |              | 74  |              |
| 36  |              | 76  |              |
| 38  |              | 78  |              |
| 40  |              | 80  |              |

|                  |  |
|------------------|--|
| DIM M:           |  |
| DIM P:           |  |
| PLATING:         |  |
| GOLD AREA DIM D: |  |
| TIN AREA:        |  |
| VOID CKT:        |  |
| PACKAGING:       |  |

| CKT | MATERIAL NO. | CKT | MATERIAL NO. |
|-----|--------------|-----|--------------|
| --  | --           | 42  |              |
| 04  |              | 44  |              |
| 06  |              | 46  |              |
| 08  |              | 48  |              |
| 10  |              | 50  |              |
| 12  |              | 52  |              |
| 14  |              | 54  |              |
| 16  |              | 56  |              |
| 18  |              | 58  |              |
| 20  |              | 60  |              |
| 22  |              | 62  |              |
| 24  |              | 64  |              |
| 26  |              | 66  |              |
| 28  |              | 68  |              |
| 30  |              | 70  |              |
| 32  |              | 72  |              |
| 34  |              | 74  |              |
| 36  |              | 76  |              |
| 38  |              | 78  |              |
| 40  |              | 80  |              |

**NOTE: SHEET 1 IS AN ANNOTATOR DOCUMENT**

|                                          |                                        |                                                              |                                 |
|------------------------------------------|----------------------------------------|--------------------------------------------------------------|---------------------------------|
| REV:<br><b>E</b>                         | SEE SHT 1                              | TITLE:<br><b>.100 DUAL ROW HEADER<br/>WITH CPI TERMINALS</b> | SHEET No.<br><b>4</b>           |
| DOCUMENT NUMBER:<br><b>SD- 75102-001</b> | CREATED / REVISED BY:<br><b>SAMIEC</b> | CHECKED BY:<br><b>MARGULIS</b>                               | APPROVED BY:<br><b>MARGULIS</b> |