

## Excellent Integrated System Limited

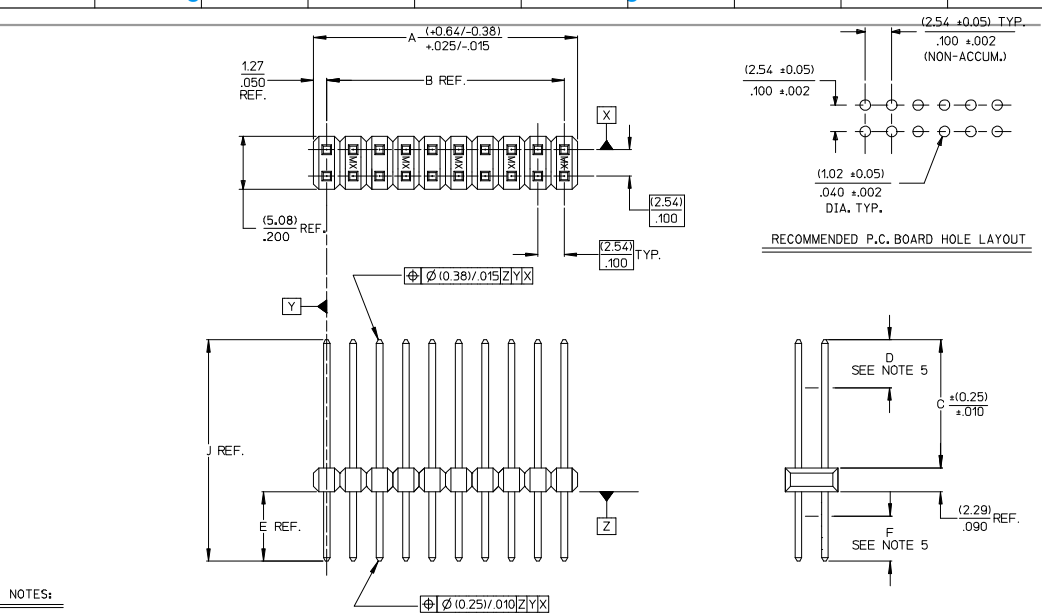
Stocking Distributor

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[Molex Connector Corporation](#)  
[0702800479](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

| CKT. SIZE | DIM. A REF. |          | DIM. B REF. |          |       |
|-----------|-------------|----------|-------------|----------|-------|
|           | (MM)        | INCH     | (MM)        | INCH     |       |
| J         | 4           | (5.08)   | .200        | (2.54)   | .100  |
|           | 6           | (7.62)   | .300        | (5.08)   | .200  |
|           | 8           | (10.16)  | .400        | (7.62)   | .300  |
|           | 10          | (12.70)  | .500        | (10.16)  | .400  |
|           | 12          | (15.24)  | .600        | (12.70)  | .500  |
| I         | 14          | (17.78)  | .700        | (15.24)  | .600  |
|           | 16          | (20.32)  | .800        | (17.78)  | .700  |
|           | 18          | (22.86)  | .900        | (20.32)  | .800  |
|           | 20          | (25.40)  | 1.000       | (22.86)  | .900  |
|           | 22          | (27.94)  | 1.100       | (25.40)  | 1.000 |
|           | 24          | (30.48)  | 1.200       | (27.94)  | 1.100 |
|           | 26          | (33.02)  | 1.300       | (30.48)  | 1.200 |
|           | 28          | (35.56)  | 1.400       | (33.02)  | 1.300 |
| H         | 30          | (38.10)  | 1.500       | (35.56)  | 1.400 |
|           | 32          | (40.64)  | 1.600       | (38.10)  | 1.500 |
|           | 34          | (43.18)  | 1.700       | (40.64)  | 1.600 |
|           | 36          | (45.72)  | 1.800       | (43.18)  | 1.700 |
|           | 38          | (48.26)  | 1.900       | (45.72)  | 1.800 |
|           | 40          | (50.80)  | 2.000       | (48.26)  | 1.900 |
| G         | 42          | (53.34)  | 2.100       | (50.80)  | 2.000 |
|           | 44          | (55.88)  | 2.200       | (53.34)  | 2.100 |
|           | 46          | (58.42)  | 2.300       | (55.88)  | 2.200 |
|           | 48          | (60.96)  | 2.400       | (58.42)  | 2.300 |
|           | 50          | (63.50)  | 2.500       | (60.96)  | 2.400 |
|           | 52          | (66.04)  | 2.600       | (63.50)  | 2.500 |
|           | 54          | (68.58)  | 2.700       | (66.04)  | 2.600 |
| F         | 56          | (71.12)  | 2.800       | (68.58)  | 2.700 |
|           | 58          | (73.66)  | 2.900       | (71.12)  | 2.800 |
|           | 60          | (76.20)  | 3.000       | (73.66)  | 2.900 |
|           | 62          | (78.74)  | 3.100       | (76.20)  | 3.000 |
|           | 64          | (81.28)  | 3.200       | (78.74)  | 3.100 |
|           | 66          | (83.82)  | 3.300       | (81.28)  | 3.200 |
|           | 68          | (86.36)  | 3.400       | (83.82)  | 3.300 |
| E         | 70          | (88.90)  | 3.500       | (86.36)  | 3.400 |
|           | 72          | (91.44)  | 3.600       | (88.90)  | 3.500 |
|           | 74          | (93.98)  | 3.700       | (91.44)  | 3.600 |
|           | 76          | (96.52)  | 3.800       | (93.98)  | 3.700 |
|           | 78          | (99.06)  | 3.900       | (96.52)  | 3.800 |
|           | 80          | (101.60) | 4.000       | (99.06)  | 3.900 |
| D         | 82          | (104.14) | 4.100       | (101.60) | 4.000 |
|           | 84          | (106.68) | 4.200       | (104.14) | 4.100 |
|           | 86          | (109.22) | 4.300       | (106.68) | 4.200 |
|           | 88          | (111.76) | 4.400       | (109.22) | 4.300 |
|           | 90          | (114.30) | 4.500       | (111.76) | 4.400 |
|           | 92          | (116.84) | 4.600       | (114.30) | 4.500 |
| C         | 94          | (119.38) | 4.700       | (116.84) | 4.600 |
|           | 96          | (121.92) | 4.800       | (119.38) | 4.700 |
|           | 98          | (124.46) | 4.900       | (121.92) | 4.800 |
|           | 100         | (127.00) | 5.000       | (124.46) | 4.900 |



NOTES:

- MATERIAL:  
PIN: COPPER ALLOY  
WAFER: GLASS FILLED LCP (LIQUID CRYSTAL POLYMER, UL 94V-0, COLOR: BLACK.
- FINISH:  
TIN = (0.00380)/0.000150 MINIMUM TIN PLATE OVER (0.00127)/0.000050 MINIMUM NICKEL PLATE OVER (0.00038)/0.000015 MINIMUM GOLD PLATE IN SELECT AREA.  
15 GOLD = (0.00127)/0.000050 MINIMUM NICKEL PLATE OVERALL.  
30 GOLD = (0.00078)/0.000030 MINIMUM GOLD PLATE IN SELECT AREA.  
(0.00190)/0.000075 MINIMUM TIN PLATE IN SELECT AREA.  
(0.00190)/0.000075 MINIMUM NICKEL PLATE OVERALL.  
GT15 = (0.00038)/0.000015 MINIMUM GOLD PLATE IN SELECT AREA.  
(0.00254)/0.000100 MINIMUM TIN PLATE IN SELECT AREA.  
OVER (0.00127)/0.000050 MINIMUM NICKEL PLATE OVERALL.
- PRODUCT SPECIFICATION NONE
- PACKAGING INFORMATION: (UNLESS OTHERWISE NOTED IN TABLES)  
BULK PACK PER PK-70873-0353.
- MEASURE POINT FOR PLATING THICKNESS.
- FOR ASSEMBLIES WITH VOIDED PINS, REFER TO DRAWING NO. SDA-70280-5001-9999.
- PIN PUSH-OUT FORCE 3 POUNDS MINIMUM IN EITHER DIRECTION.
- FOR ILLUSTRATION PURPOSES, 20 (DUAL 10) CIRCUIT SIZE IS SHOWN.
- PINS MEET SOLDERABILITY SPEC SMES-152. ABSENCE OF PLATING PERMISSIBLE AT BANDOLIER PIN FAYING SURFACE. (APPROXIMATELY (0.641)/.025 INCH LONG BY (0.151)/.006 INCH WIDE AT 2 LOCATIONS)
- PARTS CONFORM TO CLASS B OF COSMETIC SPECIFICATION PS-45499-002

\* THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC" CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD PLATING.

|   |                               |   |                       |                 |                     |  |                        |  |
|---|-------------------------------|---|-----------------------|-----------------|---------------------|--|------------------------|--|
| ADD P/N 70280-1254<br>EC NO: LCP2006-2306<br>DRAWN: JELL 2008/03/13<br>CHECKED: SCHMIDT 2008/04/07<br>APPROVED: SMITH 2008/04/24<br>DESCRIPTION: 0702800479 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)   |                       | DIMENSION STYLE | SCALE               | DESIGN UNITS   | THIRD ANGLE PROJECTION |  |
|   |                               | mm  | INCH                  | MM/IN           | 4:1                 | INCH   | ☉                      |  |
|   |                               | 4 PLACES ± --- ± ---  | 3 PLACES ± --- ± .005 | DRAWN BY        | DATE                | TITLE  |                        |  |
|   |                               | 2 PLACES ± .13 ± .01  | 1 PLACE ± 0.25 ± ---  | SMR             | 04/19/1993          | SALES ASSY-HIGH TEMP. DUAL ROW WAFER W/BREAK-OFF OPT. .025 SQ PINS |                        |  |
| ANGULAR ± 1/2°  |                               | APPROVED BY   | DATE                  | MATERIAL NO.    | DOCUMENT NO.        | SHEET NO.  |                        |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |                               | SMR   | 04/19/1993            | SEE TABLE       | SDA-70280-0001-4000 | 1 OF 9   |                        |  |
| SIZE  |                               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                       |                 |                     |  |                        |  |



Distributor of Molex Connector Corporation: Excellent Integrated System Limited

Datasheet of 0702800479 - CONN HDR BKWY VERT GOLD 82POS

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

| J | ENGINEERING NUMBER<br>A-70280- | RELEASE FOR MANUFACTURE | E REF.         | J REF.          | C REF.<br>±(0.25)<br>.010 | CONNECTOR END PLATING |                | P.C. BOARD END PLATING |                | FOR PACKAGING INFORMATION, SEE NOTE 4, SHEET 1 (UNLESS OTHERWISE SPECIFIED BELOW) |
|---|--------------------------------|-------------------------|----------------|-----------------|---------------------------|-----------------------|----------------|------------------------|----------------|---|
|   |                                |                         |                |                 |                           | TYPE                  | D MEAS.        | TYPE                   | F MEAS.        |   |
|   | -0439/-0448                    | R.F.M.                  | (2.72)<br>.107 | (11.10)<br>.437 | (6.10)<br>.240            | TIN                   | (2.54)<br>.100 | TIN                    | (1.27)<br>.050 |   |
|   | -0449/-0458                    | R.F.M.                  | (2.72)<br>.107 | (11.10)<br>.437 | (6.10)<br>.240            | 15 GOLD               | (2.54)<br>.100 | TIN                    | (1.27)<br>.050 |   |
| I | -0459/-0468                    | R.F.M.                  | (2.72)<br>.107 | (11.10)<br>.437 | (6.10)<br>.240            | 30 GOLD               | (2.54)<br>.100 | TIN                    | (1.27)<br>.048 |   |
|   | -0469/-0478                    | R.F.M.                  | (2.79)<br>.110 | (13.21)<br>.520 | (8.13)<br>.320            | TIN                   | (4.57)<br>.180 | TIN                    | (1.27)<br>.050 |   |
|   | -0479/-0488                    | R.F.M.                  | (2.79)<br>.110 | (13.21)<br>.520 | (8.13)<br>.320            | 15 GOLD               | (4.57)<br>.180 | TIN                    | (1.27)<br>.050 |   |
| H | -0489/-0498                    | R.F.M.                  | (2.79)<br>.110 | (13.21)<br>.520 | (8.13)<br>.320            | 30 GOLD               | (4.57)<br>.180 | TIN                    | (1.27)<br>.050 |   |
|   | -0499/-0508                    | R.F.M.                  | (3.94)<br>.155 | (12.32)<br>.485 | (6.10)<br>.240            | 30 GOLD               | (2.54)<br>.100 | TIN                    | (1.27)<br>.050 |   |

| CKTS | EDP NUMBER | ENG NUMBER   | EDP NUMBER | ENG NUMBER   | EDP NUMBER | ENG NUMBER   | EDP NUMBER | ENG NUMBER   | EDP NUMBER | ENG NUMBER   | EDP NUMBER | ENG NUMBER   | EDP NUMBER | ENG NUMBER   | CKTS |
|------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------|
| 82   | 70280-0439 | A-70280-0439 | 70280-0449 | A-70280-0449 | 70280-0459 | A-70280-0459 | 70280-0469 | A-70280-0469 | 70280-0479 | A-70280-0479 | 70280-0489 | A-70280-0489 | 70280-0499 | A-70280-0499 | 82   |
| 84   | 70280-0440 | A-70280-0440 | 70280-0450 | A-70280-0450 | 70280-0460 | A-70280-0460 | 70280-0470 | A-70280-0470 | 70280-0480 | A-70280-0480 | 70280-0490 | A-70280-0490 | 70280-0500 | A-70280-0500 | 84   |
| 86   | 70280-0441 | A-70280-0441 | 70280-0451 | A-70280-0451 | 70280-0461 | A-70280-0461 | 70280-0471 | A-70280-0471 | 70280-0481 | A-70280-0481 | 70280-0491 | A-70280-0491 | 70280-0501 | A-70280-0501 | 86   |
| 88   | 70280-0442 | A-70280-0442 | 70280-0452 | A-70280-0452 | 70280-0462 | A-70280-0462 | 70280-0472 | A-70280-0472 | 70280-0482 | A-70280-0482 | 70280-0492 | A-70280-0492 | 70280-0502 | A-70280-0502 | 88   |
| 90   | 70280-0443 | A-70280-0443 | 70280-0453 | A-70280-0453 | 70280-0463 | A-70280-0463 | 70280-0473 | A-70280-0473 | 70280-0483 | A-70280-0483 | 70280-0493 | A-70280-0493 | 70280-0503 | A-70280-0503 | 90   |
| 92   | 70280-0444 | A-70280-0444 | 70280-0454 | A-70280-0454 | 70280-0464 | A-70280-0464 | 70280-0474 | A-70280-0474 | 70280-0484 | A-70280-0484 | 70280-0494 | A-70280-0494 | 70280-0504 | A-70280-0504 | 92   |
| 94   | 70280-0445 | A-70280-0445 | 70280-0455 | A-70280-0455 | 70280-0465 | A-70280-0465 | 70280-0475 | A-70280-0475 | 70280-0485 | A-70280-0485 | 70280-0495 | A-70280-0495 | 70280-0505 | A-70280-0505 | 94   |
| 96   | 70280-0446 | A-70280-0446 | 70280-0456 | A-70280-0456 | 70280-0466 | A-70280-0466 | 70280-0476 | A-70280-0476 | 70280-0486 | A-70280-0486 | 70280-0496 | A-70280-0496 | 70280-0506 | A-70280-0506 | 96   |
| 98   | 70280-0447 | A-70280-0447 | 70280-0457 | A-70280-0457 | 70280-0467 | A-70280-0467 | 70280-0477 | A-70280-0477 | 70280-0487 | A-70280-0487 | 70280-0497 | A-70280-0497 | 70280-0507 | A-70280-0507 | 98   |
| 100  | 70280-0448 | A-70280-0448 | 70280-0458 | A-70280-0458 | 70280-0468 | A-70280-0468 | 70280-0478 | A-70280-0478 | 70280-0488 | A-70280-0488 | 70280-0498 | A-70280-0498 | 70280-0508 | A-70280-0508 | 100  |

| UPDATE DIMENSIONS   |            | QUALITY SYMBOLS |        | GENERAL TOLERANCES (UNLESS SPECIFIED) |      | DIMENSION STYLE     |             | SCALE  | DESIGN UNITS | THIRD ANGLE PROJECTION |
|---|------------|-----------------|--------|---------------------------------------|------|---------------------|-------------|--------|--------------|------------------------|
| EC NO.  | DATE       | DESCRIPTION     | SYMBOL | MM                                    | INCH | MM/IN               | DATE        | ---    | INCH         | ☉                      |
| UCP2007-1440  | 2006/12/18 | DRWNR/DDBR      | ▽=0    | 4 PLACES ±---                         | ±--- |                     | DRAWN BY    |        |              |                        |
| UCP2007-1440  | 2006/12/18 | CHK/DABER       | ▽=0    | 3 PLACES ±---                         | ±--- |                     | CHECKED BY  | DATE   |              |                        |
|   |            | APPR/SMT/TH     |        | 2 PLACES ±---                         | ±--- |                     | DATE        |        |              |                        |
|   |            |                 |        | 1 PLACE ±---                          | ±--- |                     | APPROVED BY | DATE   |              |                        |
|   |            |                 |        | ANGULAR ±1/2°                         |      |                     | DATE        |        |              |                        |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |            | MATERIAL NO.    |        | DOCUMENT NO.                          |      | SHEET NO.           |             |        |              |                        |
| G3  |            | REV             |        | SEE CHART                             |      | SDA-70280-0001-4000 |             | 5 OF 8 |              |                        |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |            |                 |        |                                       |      |                     |             |        |              |                        |