

Excellent Integrated System Limited

Stocking Distributor

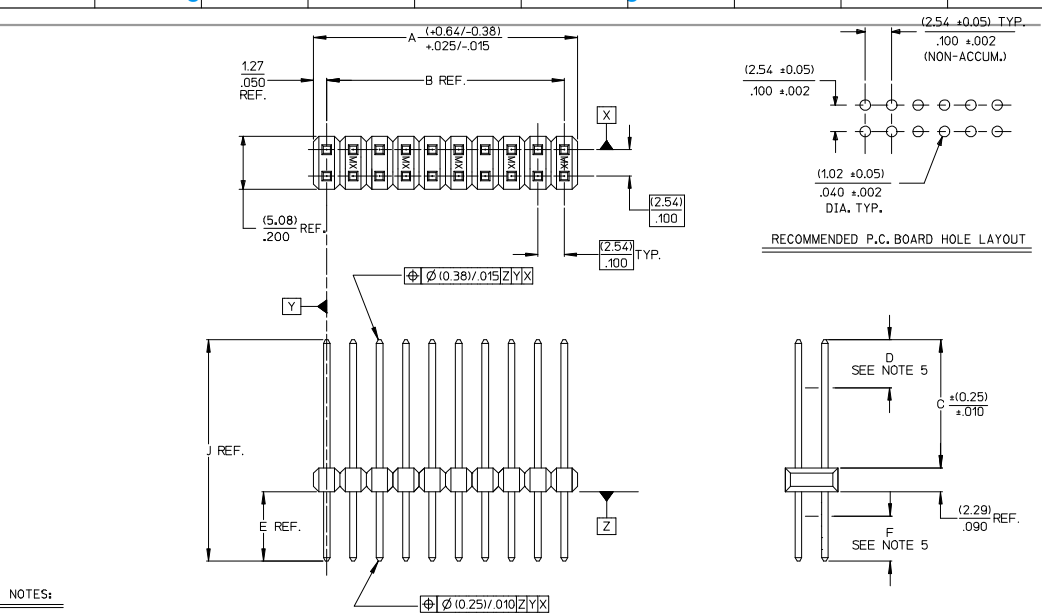
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[0010977146](#)

For any questions, you can email us directly:

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 |
| | 14 | (17.78) | .700 | (15.24) | .600 |
| I | 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 OVER (0.000190)/0.000075 MINIMUM TIN PLATE IN SELECT AREA.
30 GOLD = (0.00078)/0.000030 MINIMUM GOLD PLATE IN SELECT AREA, (0.00190)/0.000075 MINIMUM TIN PLATE IN SELECT AREA, OVER (0.00127)/0.000050 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 PUSHOUT 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 (0.64)/0.025 INCH LONG BY (0.15)/0.006 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 EC NO: LCP2006-2306 DRAWN: JHELL 2008/03/3 CHKD: SCHHDT 2008/04/07 APPROVAL: TH 2008/04/24 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |
| | | mm | INCH | MM/IN | 4:1 | INCH | ☉ |
| G6 | REVISION | 4 PLACES ± --- ± --- | 3 PLACES ± --- ± .005 | DRAWN BY | DATE | TITLE | |
| | | 2 PLACES ± .013 ± .01 | 1 PLACE ± 0.25 ± --- | SMR | 04/19/1993 | SALES ASSY-HIGH TEMP. DUAL ROW WAFER W/BREAK-OFF OPT. .025 SQ PINS | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | ANGULAR ±1/2° | | APPROVED BY | DATE | MOLEX INCORPORATED | |
| SIZE C | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | MATERIAL NO. | DOCUMENT NO. | SHEET NO. | |
| | | | | SEE TABLE | SDA-70280-0001-4000 | 1 OF 9 | |



| J | ENGINEERING NUMBER A-70280- | RELEASE FOR MANUFACTURE | E REF. | J REF. | C (0.25) .010 | CONNECTOR END PLATING | | P.C. BOARD END PLATING | | FOR PACKAGING INFORMATION, SEE NOTE 4, SHEET (UNLESS OTHERWISE SPECIFIED BELOW) | | | | | |
|------|-----------------------------|-------------------------|----------------|-----------------|----------------|-----------------------|----------------|------------------------|----------------|---|-------------|--------------|-------------|--------------|------|
| | | | | | | TYPE | D MEAS. | TYPE | F MEAS. | | | | | | |
| | -0001/-0040 | R.F.M. | (2.72) .107 | (11.10) .437 | (6.10) .240 | TIN | (2.54) .100 | TIN | (1.27) .050 | | | | | | |
| | -0041/-0080 | R.F.M. | (2.72) .107 | (11.10) .437 | (6.10) .240 | 15 GOLD | (2.54) .100 | TIN | (1.27) .050 | | | | | | |
| | -0081/-0120 | R.F.M. | (2.72) .107 | (11.10) .437 | (6.10) .240 | 30 GOLD | (2.54) .100 | TIN | (1.27) .050 | | | | | | |
| I | -0121/-0160 | R.F.M. | (2.79) .110 | (13.21) .520 | (6.13) .320 | TIN | (4.57) .180 | TIN | (1.27) .050 | | | | | | |
| | -0161/-0200 | R.F.M. | (2.79) .110 | (13.21) .520 | (6.13) .320 | 15 GOLD | (4.57) .180 | TIN | (1.27) .050 | | | | | | |
| | -0201/-0240 | R.F.M. | (2.79) .110 | (13.21) .520 | (6.13) .320 | 30 GOLD | (4.57) .180 | TIN | (1.27) .050 | | | | | | |
| H | -0241/-0280 | R.F.M. | (3.94) .155 | (12.32) .485 | (6.10) .240 | 30 GOLD | (2.54) .100 | TIN | (1.27) .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 |
| 04 | 010-89-7041 | A-70280-0001 | 010-89-7042 | A-70280-0002 | 010-89-7043 | A-70280-0003 | 010-89-7044 | A-70280-0004 | 010-89-7045 | A-70280-0005 | 010-89-7046 | A-70280-0006 | 010-89-7047 | A-70280-0007 | 04 |
| 06 | 010-89-7061 | A-70280-0008 | 010-89-7062 | A-70280-0009 | 010-89-7063 | A-70280-0010 | 010-89-7064 | A-70280-0011 | 010-89-7065 | A-70280-0012 | 010-89-7066 | A-70280-0013 | 010-89-7067 | A-70280-0014 | 06 |
| 08 | 010-89-7081 | A-70280-0015 | 010-89-7082 | A-70280-0016 | 010-89-7083 | A-70280-0017 | 010-89-7084 | A-70280-0018 | 010-89-7085 | A-70280-0019 | 010-89-7086 | A-70280-0020 | 010-89-7087 | A-70280-0021 | 08 |
| 10 | 010-89-7101 | A-70280-0022 | 010-89-7102 | A-70280-0023 | 010-89-7103 | A-70280-0024 | 010-89-7104 | A-70280-0025 | 010-89-7105 | A-70280-0026 | 010-89-7106 | A-70280-0027 | 010-89-7107 | A-70280-0028 | 10 |
| 12 | 010-89-7121 | A-70280-0029 | 010-89-7122 | A-70280-0030 | 010-89-7123 | A-70280-0031 | 010-89-7124 | A-70280-0032 | 010-89-7125 | A-70280-0033 | 010-89-7126 | A-70280-0034 | 010-89-7127 | A-70280-0035 | 12 |
| 14 | 010-89-7141 | A-70280-0038 | 010-89-7142 | A-70280-0039 | 010-89-7143 | A-70280-0040 | 010-89-7144 | A-70280-0041 | 010-89-7145 | A-70280-0042 | 010-89-7146 | A-70280-0043 | 010-89-7147 | A-70280-0044 | 14 |
| 16 | 010-89-7161 | A-70280-0047 | 010-89-7162 | A-70280-0048 | 010-89-7163 | A-70280-0049 | 010-89-7164 | A-70280-0050 | 010-89-7165 | A-70280-0051 | 010-89-7166 | A-70280-0052 | 010-89-7167 | A-70280-0053 | 16 |
| 18 | 010-89-7181 | A-70280-0056 | 010-89-7182 | A-70280-0057 | 010-89-7183 | A-70280-0058 | 010-89-7184 | A-70280-0059 | 010-89-7185 | A-70280-0060 | 010-89-7186 | A-70280-0061 | 010-89-7187 | A-70280-0062 | 18 |
| 20 | 010-89-7201 | A-70280-0065 | 010-89-7202 | A-70280-0066 | 010-89-7203 | A-70280-0067 | 010-89-7204 | A-70280-0068 | 010-89-7205 | A-70280-0069 | 010-89-7206 | A-70280-0070 | 010-89-7207 | A-70280-0071 | 20 |
| 22 | 010-89-7221 | A-70280-0074 | 010-89-7222 | A-70280-0075 | 010-89-7223 | A-70280-0076 | 010-89-7224 | A-70280-0077 | 010-89-7225 | A-70280-0078 | 010-89-7226 | A-70280-0079 | 010-89-7227 | A-70280-0080 | 22 |
| 24 | 010-89-7241 | A-70280-0083 | 010-89-7242 | A-70280-0084 | 010-89-7243 | A-70280-0085 | 010-89-7244 | A-70280-0086 | 010-89-7245 | A-70280-0087 | 010-89-7246 | A-70280-0088 | 010-89-7247 | A-70280-0089 | 24 |
| 26 | 010-89-7261 | A-70280-0092 | 010-89-7262 | A-70280-0093 | 010-89-7263 | A-70280-0094 | 010-89-7264 | A-70280-0095 | 010-89-7265 | A-70280-0096 | 010-89-7266 | A-70280-0097 | 010-89-7267 | A-70280-0098 | 26 |
| 28 | 010-89-7281 | A-70280-0101 | 010-89-7282 | A-70280-0102 | 010-89-7283 | A-70280-0103 | 010-89-7284 | A-70280-0104 | 010-89-7285 | A-70280-0105 | 010-89-7286 | A-70280-0106 | 010-89-7287 | A-70280-0107 | 28 |
| 30 | 010-89-7301 | A-70280-0110 | 010-89-7302 | A-70280-0111 | 010-89-7303 | A-70280-0112 | 010-89-7304 | A-70280-0113 | 010-89-7305 | A-70280-0114 | 010-89-7306 | A-70280-0115 | 010-89-7307 | A-70280-0116 | 30 |
| 32 | 010-89-7321 | A-70280-0119 | 010-89-7322 | A-70280-0120 | 010-89-7323 | A-70280-0121 | 010-89-7324 | A-70280-0122 | 010-89-7325 | A-70280-0123 | 010-89-7326 | A-70280-0124 | 010-89-7327 | A-70280-0125 | 32 |
| 34 | 010-89-7341 | A-70280-0128 | 010-89-7342 | A-70280-0129 | 010-89-7343 | A-70280-0130 | 010-89-7344 | A-70280-0131 | 010-89-7345 | A-70280-0132 | 010-89-7346 | A-70280-0133 | 010-89-7347 | A-70280-0134 | 34 |
| 36 | 010-89-7361 | A-70280-0137 | 010-89-7362 | A-70280-0138 | 010-89-7363 | A-70280-0139 | 010-89-7364 | A-70280-0140 | 010-89-7365 | A-70280-0141 | 010-89-7366 | A-70280-0142 | 010-89-7367 | A-70280-0143 | 36 |
| 38 | 010-89-7381 | A-70280-0146 | 010-89-7382 | A-70280-0147 | 010-89-7383 | A-70280-0148 | 010-89-7384 | A-70280-0149 | 010-89-7385 | A-70280-0150 | 010-89-7386 | A-70280-0151 | 010-89-7387 | A-70280-0152 | 38 |
| 40 | 010-89-7401 | A-70280-0156 | 010-89-7402 | A-70280-0157 | 010-89-7403 | A-70280-0158 | 010-89-7404 | A-70280-0159 | 010-89-7405 | A-70280-0160 | 010-89-7406 | A-70280-0161 | 010-89-7407 | A-70280-0162 | 40 |
| 42 | 010-89-7421 | A-70280-0165 | 010-89-7422 | A-70280-0166 | 010-89-7423 | A-70280-0167 | 010-89-7424 | A-70280-0168 | 010-89-7425 | A-70280-0169 | 010-89-7426 | A-70280-0170 | 010-89-7427 | A-70280-0171 | 42 |
| 44 | 010-89-7441 | A-70280-0174 | 010-89-7442 | A-70280-0175 | 010-89-7443 | A-70280-0176 | 010-89-7444 | A-70280-0177 | 010-89-7445 | A-70280-0178 | 010-89-7446 | A-70280-0179 | 010-89-7447 | A-70280-0180 | 44 |
| 46 | 010-89-7461 | A-70280-0183 | 010-89-7462 | A-70280-0184 | 010-89-7463 | A-70280-0185 | 010-89-7464 | A-70280-0186 | 010-89-7465 | A-70280-0187 | 010-89-7466 | A-70280-0188 | 010-89-7467 | A-70280-0189 | 46 |
| 48 | 010-89-7481 | A-70280-0192 | 010-89-7482 | A-70280-0193 | 010-89-7483 | A-70280-0194 | 010-89-7484 | A-70280-0195 | 010-89-7485 | A-70280-0196 | 010-89-7486 | A-70280-0197 | 010-89-7487 | A-70280-0198 | 48 |
| 50 | 010-89-7501 | A-70280-0201 | 010-89-7502 | A-70280-0202 | 010-89-7503 | A-70280-0203 | 010-89-7504 | A-70280-0204 | 010-89-7505 | A-70280-0205 | 010-89-7506 | A-70280-0206 | 010-89-7507 | A-70280-0207 | 50 |
| 52 | 010-89-7521 | A-70280-0210 | 010-89-7522 | A-70280-0211 | 010-89-7523 | A-70280-0212 | 010-89-7524 | A-70280-0213 | 010-89-7525 | A-70280-0214 | 010-89-7526 | A-70280-0215 | 010-89-7527 | A-70280-0216 | 52 |
| 54 | 010-89-7541 | A-70280-0219 | 010-89-7542 | A-70280-0220 | 010-89-7543 | A-70280-0221 | 010-89-7544 | A-70280-0222 | 010-89-7545 | A-70280-0223 | 010-89-7546 | A-70280-0224 | 010-89-7547 | A-70280-0225 | 54 |
| 56 | 010-89-7561 | A-70280-0228 | 010-89-7562 | A-70280-0229 | 010-89-7563 | A-70280-0230 | 010-89-7564 | A-70280-0231 | 010-89-7565 | A-70280-0232 | 010-89-7566 | A-70280-0233 | 010-89-7567 | A-70280-0234 | 56 |
| 58 | 010-89-7581 | A-70280-0237 | 010-89-7582 | A-70280-0238 | 010-89-7583 | A-70280-0239 | 010-89-7584 | A-70280-0240 | 010-89-7585 | A-70280-0241 | 010-89-7586 | A-70280-0242 | 010-89-7587 | A-70280-0243 | 58 |
| 60 | 010-89-7601 | A-70280-0246 | 010-89-7602 | A-70280-0247 | 010-89-7603 | A-70280-0248 | 010-89-7604 | A-70280-0249 | 010-89-7605 | A-70280-0250 | 010-89-7606 | A-70280-0251 | 010-89-7607 | A-70280-0252 | 60 |
| 62 | 010-89-7621 | A-70280-0255 | 010-89-7622 | A-70280-0256 | 010-89-7623 | A-70280-0257 | 010-89-7624 | A-70280-0258 | 010-89-7625 | A-70280-0259 | 010-89-7626 | A-70280-0260 | 010-89-7627 | A-70280-0261 | 62 |
| 64 | 010-89-7641 | A-70280-0264 | 010-89-7642 | A-70280-0265 | 010-89-7643 | A-70280-0266 | 010-89-7644 | A-70280-0267 | 010-89-7645 | A-70280-0268 | 010-89-7646 | A-70280-0269 | 010-89-7647 | A-70280-0270 | 64 |
| 66 | 010-89-7661 | A-70280-0273 | 010-89-7662 | A-70280-0274 | 010-89-7663 | A-70280-0275 | 010-89-7664 | A-70280-0276 | 010-89-7665 | A-70280-0277 | 010-89-7666 | A-70280-0278 | 010-89-7667 | A-70280-0279 | 66 |
| 68 | 010-89-7681 | A-70280-0282 | 010-89-7682 | A-70280-0283 | 010-89-7683 | A-70280-0284 | 010-89-7684 | A-70280-0285 | 010-89-7685 | A-70280-0286 | 010-89-7686 | A-70280-0287 | 010-89-7687 | A-70280-0288 | 68 |
| 70 | 010-89-7701 | A-70280-0291 | 010-89-7702 | A-70280-0292 | 010-89-7703 | A-70280-0293 | 010-89-7704 | A-70280-0294 | 010-89-7705 | A-70280-0295 | 010-89-7706 | A-70280-0296 | 010-89-7707 | A-70280-0297 | 70 |
| 72 | 010-89-7721 | A-70280-0300 | 010-89-7722 | A-70280-0301 | 010-89-7723 | A-70280-0302 | 010-89-7724 | A-70280-0303 | 010-89-7725 | A-70280-0304 | 010-89-7726 | A-70280-0305 | 010-89-7727 | A-70280-0306 | 72 |
| 74 | 010-89-7741 | A-70280-0309 | 010-89-7742 | A-70280-0310 | 010-89-7743 | A-70280-0311 | 010-89-7744 | A-70280-0312 | 010-89-7745 | A-70280-0313 | 010-89-7746 | A-70280-0314 | 010-89-7747 | A-70280-0315 | 74 |
| 76 | 010-89-7761 | A-70280-0318 | 010-89-7762 | A-70280-0319 | 010-89-7763 | A-70280-0320 | 010-89-7764 | A-70280-0321 | 010-89-7765 | A-70280-0322 | 010-89-7766 | A-70280-0323 | 010-89-7767 | A-70280-0324 | 76 |
| 78 | 010-89-7781 | A-70280-0327 | 010-89-7782 | A-70280-0328 | 010-89-7783 | A-70280-0329 | 010-89-7784 | A-70280-0330 | 010-89-7785 | A-70280-0331 | 010-89-7786 | A-70280-0332 | 010-89-7787 | A-70280-0333 | 78 |
| 80 | 010-89-7801 | A-70280-0341 | 010-89-7802 | A-70280-0342 | 010-89-7803 | A-70280-0343 | 010-89-7804 | A-70280-0344 | 010-89-7805 | A-70280-0345 | 010-89-7806 | A-70280-0346 | 010-89-7807 | A-70280-0347 | 80 |

| | | |
|--|-------------------------------|--|
| UPDATE DIMENSIONS I.E.C. NO. UC2007-1440 DRAWN BY: LHK/DALE CHECKED BY: LHK/DALE APPROVED BY: LHK/DALE DATE: 2006/12/18 DATE: 2006/12/18 DATE: 2007/01/10 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) DIMENSION STYLE: MM/IN SCALE: --- INCH DESIGN UNITS: --- INCH THIRD ANGLE PROJECTION |
| | | DRAWN BY: SMR DATE: 1993/04/19 CHECKED BY: DATE: APPROVED BY: SMR DATE: 1993/04/19 MATERIAL NO. DOCUMENT NO. MOLEX INCORPORATED SEE CHART SDA-70280-0001-4000 SHEET NO. 2 OF 8 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |