



| CKT. SIZE | DIM. A | | DIM. B | |
|-----------|---------|-------|----------|-------|
| | (MM) | INCH | (MM) | INCH |
| 04 | (2.54) | .100 | (4.83) | .190 |
| 06 | (5.08) | .200 | (7.37) | .290 |
| 08 | (7.62) | .300 | (9.91) | .390 |
| 10 | (10.16) | .400 | (12.45) | .490 |
| 12 | (12.70) | .500 | (14.99) | .590 |
| 14 | (15.24) | .600 | (17.53) | .690 |
| 16 | (17.78) | .700 | (20.07) | .790 |
| 18 | (20.32) | .800 | (22.61) | .890 |
| 20 | (22.86) | .900 | (25.15) | .990 |
| 22 | (25.40) | 1.000 | (27.69) | 1.090 |
| 24 | (27.94) | 1.100 | (30.23) | 1.190 |
| 26 | (30.48) | 1.200 | (32.77) | 1.290 |
| 28 | (33.02) | 1.300 | (35.31) | 1.390 |
| 30 | (35.56) | 1.400 | (37.85) | 1.490 |
| 32 | (38.10) | 1.500 | (40.39) | 1.590 |
| 34 | (40.64) | 1.600 | (42.93) | 1.690 |
| 36 | (43.18) | 1.700 | (45.47) | 1.790 |
| 38 | (45.72) | 1.800 | (48.01) | 1.890 |
| 40 | (48.26) | 1.900 | (50.55) | 1.990 |
| 42 | (50.80) | 2.000 | (53.09) | 2.090 |
| 44 | (53.34) | 2.100 | (55.63) | 2.190 |
| 46 | (55.88) | 2.200 | (58.17) | 2.290 |
| 48 | (58.42) | 2.300 | (60.71) | 2.390 |
| 50 | (60.96) | 2.400 | (63.25) | 2.490 |
| 52 | (63.50) | 2.500 | (65.79) | 2.590 |
| 54 | (66.04) | 2.600 | (68.33) | 2.690 |
| 56 | (68.58) | 2.700 | (70.87) | 2.790 |
| 58 | (71.12) | 2.800 | (73.41) | 2.890 |
| 60 | (73.66) | 2.900 | (75.95) | 2.990 |
| 62 | (76.20) | 3.000 | (78.49) | 3.090 |
| 64 | (78.74) | 3.100 | (81.03) | 3.190 |
| 66 | (81.28) | 3.200 | (83.57) | 3.290 |
| 68 | (83.82) | 3.300 | (86.11) | 3.390 |
| 70 | (86.36) | 3.400 | (88.65) | 3.490 |
| 72 | (88.90) | 3.500 | (91.19) | 3.590 |
| 74 | (91.44) | 3.600 | (93.73) | 3.690 |
| 76 | (93.98) | 3.700 | (96.27) | 3.790 |
| 78 | (96.52) | 3.800 | (98.81) | 3.890 |
| 80 | (99.06) | 3.900 | (101.35) | 3.990 |

GENERAL NOTES:

- PIN PUSHOUT FORCE: 4 LBS. MINIMUM
- FOR ILLUSTRATION PURPOSES, 20 (DUAL 10) CIRCUIT SIZE WAFER IS SHOWN.
- PINS MUST MEET SOLDERABILITY SPEC. NO. 152
- WAFER TO BE FLAT WITHIN (0.03 MM/CM) .003 IN./IN.
- FOR ASSEMBLIES WITH VOIDED PINS; SEE DRAWING NUMBER A-70216-5001-9999.
- THIS PRODUCT CONFORMS TO PRODUCT SPEC PS-70216.
- PACKAGING INFORMATION: (UNLESS OTHERWISE NOTED IN TABLES)

| CIRCUIT SIZE | PACKAGING DRAWING |
|--------------|-------------------|
| 4 THROUGH 8 | PK-70873-0353 |
| 10 AND OVER | PK-70873-0075 |

FINISH:

- TIN .000150 MINIMUM TIN OVER .000050 MINIMUM NICKEL OVERALL.
- 15 GOLD .000015 MINIMUM GOLD PLATE IN SELECTED AREA AND .000075 MINIMUM TIN IN SELECTED AREA OVER .000050 MINIMUM NICKEL OVERALL.
- 30 GOLD .000030 MINIMUM GOLD PLATE IN SELECTED AREA AND .000075 MINIMUM TIN IN SELECTED AREA OVER .000050 MINIMUM NICKEL OVERALL.
- 50 GOLD .000050 MINIMUM GOLD PLATE IN SELECTED AREA AND .000075 MINIMUM TIN IN SELECTED AREA OVER .000050 MINIMUM NICKEL OVERALL.

*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.

MATERIAL:

PINS - PHOS. BRONZE
 WAFER - G.F. POLYESTER, 94V-0; COLOR: BLACK

| REV. | DESCRIPTION |
|------|--|
| E | LEAD FREE UCP2004-1770 RLWHITE 04/04/26 |
| D3 | REVISE PKGNG EGN UDT2000-0949 SCHAFFER 00/4/76 |
| D2 | ADDED PART PER ECR # UT1190 SCARTH 97/04/08 |
| D1 | ADDED PART PER ECR # U70668 SCARTH 96/12/13 |
| D | REVISED PER ECR # UT0414 SCARTH 96/11/04 |
| C1 | ADDED EDP NO'S PER ECR # U60256 95/08/23 CAC |
| C | VOIDED EDP NO'S PER ECR # U60097 95/07/27 CAC |
| B | REVISED INFORM PER ECR NO U50982 03-31-95 BJS |
| A | RELEASED PER ECR NO. U40640 05-18-94 RCB |

SALES ASS'Y-RIGHT ANGLE WAFER W/BREAK-OFF OPTION 1.00 GRID DUAL ROW W/.025 SQUARE PINS

MOLEX INCORPORATED

DATE: 05/18/94

DRWG. NO. SDA-70216-0079-5000

FILE NAME: S70216X1.DGN

SCALE: 4:1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

| J | 13 | 12 | 11 | | 10 | 9 | 8 | 7 | 6 | 70216 | | 4 | 3 | 2 | 1 | |
|---|-------------------------------------|-------------------------|------------------|-------------------|----|---|---|---|----------------------------|-----------------------|-------------|---|------------------------|---|--------------------|-------------|
| | ENGINEERING PART NUMBER A-70216- | RELEASE FOR MANUFACTURE | EXPOSED PIN DIM. | | | | | | PLATING TYPE - SEE SHEET 1 | CONNECTOR END PLATING | | | P.C. BOARD END PLATING | | | PACKAGE PER |
| | | | C REF. | D ± (0.25) / .010 | | | | | | TYPE | E MEAS. | | TYPE | G MEAS. | | |
| I | -0079/-0117 | RFM | (2.79) .110 | (6.10) .240 | | | | | TIN | TIN | (2.54) .100 | | TIN | (1.27) .050 | NOTE #7 ON SHEET 1 | |
| I | -0118/-0156 | RFM | (2.79) .110 | (8.13) .320 | | | | | TIN | TIN | (4.57) .180 | | TIN | (1.27) .050 | NOTE #7 ON SHEET 1 | |
| H | -0235/-0273 | RFM | (2.79) .110 | (6.10) .240 | | | | | 15 GOLD | GOLD | (2.54) .100 | | TIN | (1.27) .050 | NOTE #7 ON SHEET 1 | |
| H | -0274/-0312 | RFM | (2.79) .110 | (8.13) .320 | | | | | 15 GOLD | GOLD | (4.57) .180 | | TIN | (1.27) .050 | NOTE #7 ON SHEET 1 | |
| H | -0313/-0351 | RFM | (4.19) .165 | (6.10) .240 | | | | | 15 GOLD | GOLD | (2.54) .100 | | TIN | (1.27) .050 | NOTE #7 ON SHEET 1 | |
| G | -0391/-0429 | RFM | (2.79) .110 | (6.10) .240 | | | | | 30 GOLD | GOLD | (2.54) .100 | | TIN | (1.27) .050 | NOTE #7 ON SHEET 1 | |
| G | -0430/-0468 | RFM | (2.79) .110 | (8.13) .320 | | | | | 30 GOLD | GOLD | (4.57) .180 | | TIN | (1.27) .050 | NOTE #7 ON SHEET 1 | |
| F | -0469/-0507 | RFM | (4.45) .175 | (6.10) .240 | | | | | 30 GOLD | GOLD | (2.54) .100 | | TIN | (1.27) .050 | NOTE #7 ON SHEET 1 | |
| F | -0547/-0585 | RFM | (2.79) .110 | (6.10) .240 | | | | | 50 GOLD | GOLD | (2.54) .100 | | TIN | (1.27) .050 | NOTE #7 ON SHEET 1 | |
| E | -0664/-0702 | RFM | (2.79) .110 | (9.53) .375 | | | | | 15 GOLD | GOLD | (4.57) .180 | | TIN | (1.27) .050 | NOTE #7 ON SHEET 1 | |
| E | -0703/-0741 | | | | | | | | | | | | | | NOTE #7 ON SHEET 1 | |
| D | -0742/-0780 | | | | | | | | | | | | | | NOTE #7 ON SHEET 1 | |
| CHARTED DIMENSIONS FOR ASSEMBLIES LISTED AFTER A-70216-0780 WILL CONTINUE ON SHEET 6. | | | | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | | | | C |
| B | | | | | | | | | | | | | | | | B |
| A | | | | | | | | | | | | | | | | A |
| | | | | | | | | | | E | SEE SHEET 1 | DIMENSIONS SHOWN (METRIC) INCH | | <input checked="" type="checkbox"/> = 0 <input type="checkbox"/> = 0 REVISE ONLY ON CAD SYSTEM | | |
| | | | | | | | | | | DI | SEE SHEET 1 | UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2° | | TITLE | | |
| | | | | | | | | | | D | SEE SHEET 1 | INCH METRIC | | SALES ASS'Y-RIGHT ANGLE WAFER W/BREAK-OFF OPTION .100 GRID DUAL ROW W/.025 SQUARE PINS | | |
| | | | | | | | | | | CI | SEE SHEET 1 | 3 PLACE ± .005 | --- | FROM MOLEX INCORPORATED SHEET NO. DATE | | |
| | | | | | | | | | | C | SEE SHEET 1 | 2 PLACE ± .01 | ± 0.13 | L15LE.I.L.L. 60532 U.S.A. 2 05/18/94 | | |
| | | | | | | | | | | B | SEE SHEET 1 | 1 PLACE --- | ± 0.25 | PART NO. DRWG. NO. | | |
| | | | | | | | | | | A | SEE SHEET 1 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE CHART SDA-70216-0079-5000 | | |
| | | | | | | | | | | LTR. | REVISIONS | LTR. | REVISIONS | FILE NAME 570216X2 DIV. SIZE | | |
| | | | | | | | | | | | | | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. DA C | | |

| J | NO. OF CKTS | FINISH CODE: TIN DIMENSIONS: C-(2.79) / .110 D-(6.10) / .240 | | FINISH CODE: TIN DIMENSIONS: C-(2.79) / .110 D-(8.13) / .320 | | FINISH CODE: TIN DIMENSIONS: C-(4.45) / .175 D-(6.10) / .240 | | FINISH CODE: TIN DIMENSIONS: C-(2.79) / .110 D-(8.13) / .320 | | FINISH CODE: 15 GOLD DIMENSIONS: C-(2.79) / .110 D-(6.10) / .240 | | FINISH CODE: 15 GOLD DIMENSIONS: C-(2.79) / .110 D-(8.13) / .320 | |
|----|-------------|--|------------|--|------------|--|------------|--|------------|--|------------|--|------------|
| | | EDP NUMBER | ENG NUMBER | EDP NUMBER | ENG NUMBER | EDP NUMBER | ENG NUMBER | EDP NUMBER | ENG NUMBER | EDP NUMBER | ENG NUMBER | EDP NUMBER | ENG NUMBER |
| | | 04 | 10-88-3041 | A-70216-0079 | 10-88-3042 | A-70216-0118 | | | | | 10-89-4042 | A-70216-0235 | 10-89-4043 |
| 06 | 10-88-3061 | A-70216-0080 | 10-88-3062 | A-70216-0119 | | | | | 10-89-4062 | A-70216-0236 | 10-89-4063 | A-70216-0275 | |
| 08 | 10-88-3081 | A-70216-0081 | 10-88-3082 | A-70216-0120 | | | | | 10-89-4082 | A-70216-0237 | 10-89-4083 | A-70216-0276 | |
| 10 | 10-88-3101 | A-70216-0082 | 10-88-3102 | A-70216-0121 | | | | | 10-89-4102 | A-70216-0238 | 10-89-4103 | A-70216-0277 | |
| 12 | 10-88-3121 | A-70216-0083 | 10-88-3122 | A-70216-0122 | | | | | 10-89-4122 | A-70216-0239 | 10-89-4123 | A-70216-0278 | |
| 14 | 10-88-3141 | A-70216-0084 | 10-88-3142 | A-70216-0123 | | | | | 10-89-4142 | A-70216-0240 | 10-89-4143 | A-70216-0279 | |
| 16 | 10-88-3161 | A-70216-0085 | 10-88-3162 | A-70216-0124 | | | | | 10-89-4162 | A-70216-0241 | 10-89-4163 | A-70216-0280 | |
| 18 | 10-88-3181 | A-70216-0086 | 10-88-3182 | A-70216-0125 | | | | | 10-89-4182 | A-70216-0242 | 10-89-4183 | A-70216-0281 | |
| 20 | 10-88-3201 | A-70216-0087 | 10-88-3202 | A-70216-0126 | | | | | 10-89-4202 | A-70216-0243 | 10-89-4203 | A-70216-0282 | |
| 22 | 10-88-3221 | A-70216-0088 | 10-88-3222 | A-70216-0127 | | | | | 10-89-4222 | A-70216-0244 | 10-89-4223 | A-70216-0283 | |
| 24 | 10-88-3241 | A-70216-0089 | 10-88-3242 | A-70216-0128 | | | | | 10-89-4242 | A-70216-0245 | 10-89-4243 | A-70216-0284 | |
| 26 | 10-88-3261 | A-70216-0090 | 10-88-3262 | A-70216-0129 | | | | | 10-89-4262 | A-70216-0246 | 10-89-4263 | A-70216-0285 | |
| 28 | 10-88-3281 | A-70216-0091 | 10-88-3282 | A-70216-0130 | | | | | 10-89-4282 | A-70216-0247 | 10-89-4283 | A-70216-0286 | |
| 30 | 10-88-3301 | A-70216-0092 | 10-88-3302 | A-70216-0131 | | | | | 10-89-4302 | A-70216-0248 | 10-89-4303 | A-70216-0287 | |
| 32 | 10-88-3321 | A-70216-0093 | 10-88-3322 | A-70216-0132 | | | | | 10-89-4322 | A-70216-0249 | 10-89-4323 | A-70216-0288 | |
| 34 | 10-88-3341 | A-70216-0094 | 10-88-3342 | A-70216-0133 | | | | | 10-89-4342 | A-70216-0250 | 10-89-4343 | A-70216-0289 | |
| 36 | 10-88-3361 | A-70216-0095 | 10-88-3362 | A-70216-0134 | | | | | 10-89-4362 | A-70216-0251 | 10-89-4363 | A-70216-0290 | |
| 38 | 10-88-3381 | A-70216-0096 | 10-88-3382 | A-70216-0135 | | | | | 10-89-4382 | A-70216-0252 | 10-89-4383 | A-70216-0291 | |
| 40 | 10-88-3401 | A-70216-0097 | 10-88-3402 | A-70216-0136 | | | | | 10-89-4402 | A-70216-0253 | 10-89-4403 | A-70216-0292 | |
| 42 | 10-88-3421 | A-70216-0098 | 10-88-3422 | A-70216-0137 | | | | | 10-89-4422 | A-70216-0254 | 10-89-4423 | A-70216-0293 | |
| 44 | 10-88-3441 | A-70216-0099 | 10-88-3442 | A-70216-0138 | | | | | 10-89-4442 | A-70216-0255 | 10-89-4443 | A-70216-0294 | |
| 46 | 10-88-3461 | A-70216-0100 | 10-88-3462 | A-70216-0139 | | | | | 10-89-4462 | A-70216-0256 | 10-89-4463 | A-70216-0295 | |
| 48 | 10-88-3481 | A-70216-0101 | 10-88-3482 | A-70216-0140 | | | | | 10-89-4482 | A-70216-0257 | 10-89-4483 | A-70216-0296 | |
| 50 | 10-88-3501 | A-70216-0102 | 10-88-3502 | A-70216-0141 | | | | | 10-89-4502 | A-70216-0258 | 10-89-4503 | A-70216-0297 | |
| 52 | 10-88-3521 | A-70216-0103 | 10-88-3522 | A-70216-0142 | | | | | 10-89-4522 | A-70216-0259 | 10-89-4523 | A-70216-0298 | |
| 54 | 10-88-3541 | A-70216-0104 | 10-88-3542 | A-70216-0143 | | | | | 10-89-4542 | A-70216-0260 | 10-89-4543 | A-70216-0299 | |
| 56 | 10-88-3561 | A-70216-0105 | 10-88-3562 | A-70216-0144 | | | | | 10-89-4562 | A-70216-0261 | 10-89-4563 | A-70216-0300 | |
| 58 | 10-88-3581 | A-70216-0106 | 10-88-3582 | A-70216-0145 | | | | | 10-89-4582 | A-70216-0262 | 10-89-4583 | A-70216-0301 | |
| 60 | 10-88-3601 | A-70216-0107 | 10-88-3602 | A-70216-0146 | | | | | 10-89-4602 | A-70216-0263 | 10-89-4603 | A-70216-0302 | |
| 62 | 10-88-3621 | A-70216-0108 | 10-88-3622 | A-70216-0147 | | | | | 10-89-4622 | A-70216-0264 | 10-89-4623 | A-70216-0303 | |
| 64 | 10-88-3641 | A-70216-0109 | 10-88-3642 | A-70216-0148 | | | | | 10-89-4642 | A-70216-0265 | 10-89-4643 | A-70216-0304 | |
| 66 | 10-88-3661 | A-70216-0110 | 10-88-3662 | A-70216-0149 | | | | | 10-89-4662 | A-70216-0266 | 10-89-4663 | A-70216-0305 | |
| 68 | 10-88-3681 | A-70216-0111 | 10-88-3682 | A-70216-0150 | | | | | 10-89-4682 | A-70216-0267 | 10-89-4683 | A-70216-0306 | |
| 70 | 10-88-3701 | A-70216-0112 | 10-88-3702 | A-70216-0151 | | | | | 10-89-4702 | A-70216-0268 | 10-89-4703 | A-70216-0307 | |
| 72 | 10-88-3721 | A-70216-0113 | 10-88-3722 | A-70216-0152 | | | | | 10-89-4722 | A-70216-0269 | 10-89-4723 | A-70216-0308 | |
| 74 | 10-88-3741 | A-70216-0114 | 10-88-3742 | A-70216-0153 | | | | | 10-89-4742 | A-70216-0270 | 10-89-4743 | A-70216-0309 | |
| 76 | 10-88-3761 | A-70216-0115 | 10-88-3762 | A-70216-0154 | | | | | 10-89-4762 | A-70216-0271 | 10-89-4763 | A-70216-0310 | |
| 78 | 10-88-3781 | A-70216-0116 | 10-88-3782 | A-70216-0155 | | | | | 10-89-4782 | A-70216-0272 | 10-89-4783 | A-70216-0311 | |
| 80 | 10-88-3801 | A-70216-0117 | 10-88-3802 | A-70216-0156 | | | | | 10-89-4802 | A-70216-0273 | 10-89-4803 | A-70216-0312 | |

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|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| C | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|---|---|----|---|---|---|---|-----------|--|-----------|--|---|---|---|
| A | E | D2 | C | B | A | LTR. | REVISIONS | LTR. | REVISIONS | DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2° | | ▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM | |
| | | | | | | | | | | INCH | | METRIC | |
| | | | | | | | | | | 3 PLACE ± | ± | 2 PLACE ± | ± |
| | | | | | | | | | | 1 PLACE ± | ± | TITLE SALES ASS'Y-RIGHT ANGLE WAFER W/BREAK-OFF OPTION .100 GRID DUAL ROW W/.025 SQUARE PINS | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | | | MOLEX INCORPORATED U.S.A. L15LEJLL 60532 | | SHEET NO. 3 | | DATE 05/18/94 | | | |
| DRWG. NO. SDA-70216-0079-5000 | | | | | | FILE NAME S70216X3 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. | | DIV. C | | | |

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