

J

I

H

G

F

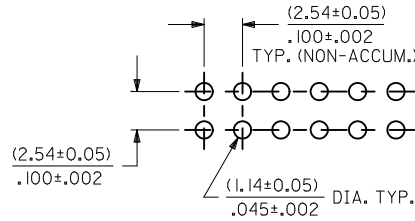
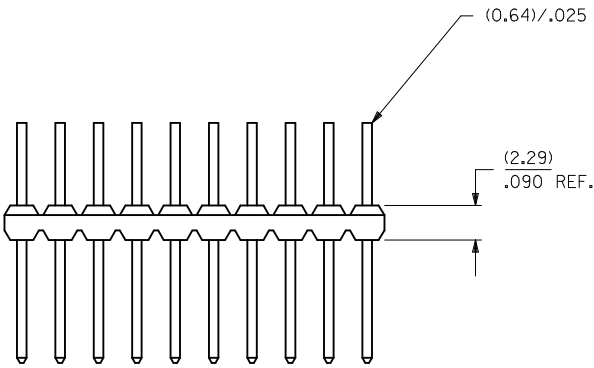
E

D

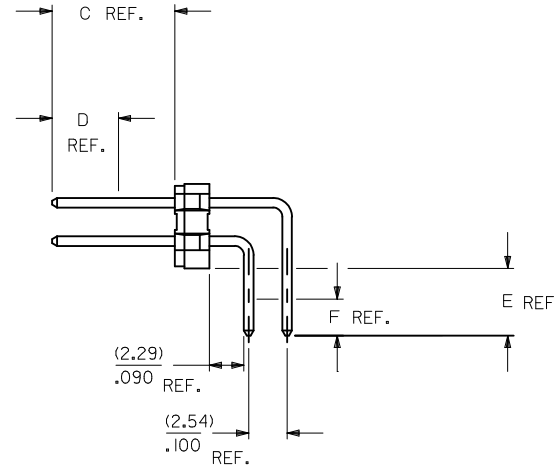
C

B

A



### RECOMMENDED P.C. BOARD HOLE LAYOUT



### NOTES:

- MATERIAL: WAFER - GLASS FILLED, POLYESTER, 94V-0, COLOR: BLACK.  
PINS - COPPER ALLOY
- FINISH:  
TIN - 0.00381/0.000150 MINIMUM TIN OVER 0.00127/0.000050 MINIMUM NICKEL OVERALL.  
15 GOLD - 0.00038/0.000015 MINIMUM GOLD PLATE IN SELECTED AREA AND 0.00191/0.000075 MINIMUM TIN IN SELECTED AREA OVER 0.00127/0.000050 MINIMUM NICKEL OVERALL.  
30 GOLD - 0.00076/0.000030 MINIMUM GOLD PLATE IN SELECTED AREA AND 0.00191/0.000075 MINIMUM TIN IN SELECTED AREA OVER 0.00127/0.000050 MINIMUM NICKEL OVERALL.
- PRODUCT SPECIFICATION: PS-70216.
- PACKAGING SPECIFICATION: FOR 4 THROUGH 8 CIRCUIT PARTS US PK-70873-0353.  
FOR 10 CIRCUITS AND OVER USE PK-70873-0075.
- 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) OR .003 IN./IN.
- FOR ASSEMBLIES WITH VOIDED PINS, CONTACT MOLEX SALES REPRESENTATIVE.
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

MODIFY PIN MATERIAL  
EC NO: UCP2011-0305  
DRWN:MSBARRA 2010/08/25  
CHKD:JMORGAN 2010/08/25  
APPR:SMILLER

QUALITY SYMBOLS  
▽=0  
▽=0  
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)  
mm INCH  
4 PLACES ± --- ± ---  
3 PLACES ± --- ± .005  
2 PLACES ± 0.13 ± .01  
1 PLACE ± 0.25 ± ---  
ANGULAR ± 1/2°  
DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE  
MM/IN  
DRAWN BY DATE  
RCB 1994/05/18  
CHECKED BY DATE  
RCB 1994/05/18  
APPROVED BY DATE  
SMILLER 2010/10/06  
MATERIAL NO.  
SEE TABLE  
SIZE C

SCALE 4:1  
DESIGN UNITS INCH  
THIRD ANGLE PROJECTION  
TITLE  
RT. ANG. WAFER ASS'Y  
2.54/.100 GRID, DUAL ROW  
BREAKAWAY 0.64/.025 PINS  
MOLEX MOLEX INCORPORATED  
DOCUMENT NO. SD-70216-001  
SHEET NO. 1 OF 4  
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

2-\* A1  
1 B  
SHT. REV

| ENG. NO: A-70216-0079/0092 |                      |              | ENG. NO: A-70216-0118/0131 |                      |              | ENG. NO: A-70216-0235/0248 |                      |              |
|----------------------------|----------------------|--------------|----------------------------|----------------------|--------------|----------------------------|----------------------|--------------|
| DIM. C                     | (6.10)/.240          |              | DIM. C                     | (8.13)/.320          |              | DIM. C                     | (6.10)/.240          |              |
| DIM. E (REF.)              | (2.79)/.110          |              | DIM. E (REF.)              | (2.79)/.110          |              | DIM. E (REF.)              | (2.79)/.110          |              |
| FINISH                     | TIN                  |              | FINISH                     | TIN                  |              | FINISH                     | 15 GOLD              |              |
| CONNECTOR END PLATING      | TIN                  |              | CONNECTOR END PLATING      | TIN                  |              | CONNECTOR END PLATING      | GOLD                 |              |
| DIM. D (MEASURE PT.)       | (2.54)/.100          |              | DIM. D (MEASURE PT.)       | (4.57)/.180          |              | DIM. D (MEASURE PT.)       | (2.54)/.100          |              |
| P.C. BOARD END PLATING     | TIN                  |              | P.C. BOARD END PLATING     | TIN                  |              | P.C. BOARD END PLATING     | TIN                  |              |
| DIM. F (MEASURE PT.)       | (1.27)/.050          |              | DIM. F (MEASURE PT.)       | (1.27)/.050          |              | DIM. F (MEASURE PT.)       | (1.27)/.050          |              |
| PACKAGING                  | SEE NOTE 4 ON SHT. 1 |              | PACKAGING                  | SEE NOTE 4 ON SHT. 1 |              | PACKAGING                  | SEE NOTE 4 ON SHT. 1 |              |
| CKTS                       | EDP NUMBER           | ENG. NUMBER  | CKTS                       | EDP NUMBER           | ENG. NUMBER  | CKTS                       | EDP NUMBER           | ENG. NUMBER  |
| 04                         | 10-88-3041           | A-70216-0079 | 04                         | 10-88-3042           | A-70216-0118 | 04                         | 10-89-4042           | A-70216-0235 |
| 06                         | 10-88-3061           | A-70216-0080 | 06                         | 10-88-3062           | A-70216-0119 | 06                         | 10-89-4062           | A-70216-0236 |
| 08                         | 10-88-3081           | A-70216-0081 | 08                         | 10-88-3082           | A-70216-0120 | 08                         | 10-89-4082           | A-70216-0237 |
| 10                         | 10-88-3101           | A-70216-0082 | 10                         | 10-88-3102           | A-70216-0121 | 10                         | 10-89-4102           | A-70216-0238 |
| 12                         | 10-88-3121           | A-70216-0083 | 12                         | 10-88-3122           | A-70216-0122 | 12                         | 10-89-4122           | A-70216-0239 |
| 14                         | 10-88-3141           | A-70216-0084 | 14                         | 10-88-3142           | A-70216-0123 | 14                         | 10-89-4142           | A-70216-0240 |
| 16                         | 10-88-3161           | A-70216-0085 | 16                         | 10-88-3162           | A-70216-0124 | 16                         | 10-89-4162           | A-70216-0241 |
| 18                         | 10-88-3181           | A-70216-0086 | 18                         | 10-88-3182           | A-70216-0125 | 18                         | 10-89-4182           | A-70216-0242 |
| 20                         | 10-88-3201           | A-70216-0087 | 20                         | 10-88-3202           | A-70216-0126 | 20                         | 10-89-4202           | A-70216-0243 |
| 22                         | 10-88-3221           | A-70216-0088 | 22                         | 10-88-3222           | A-70216-0127 | 22                         | 10-89-4222           | A-70216-0244 |
| 24                         | 10-88-3241           | A-70216-0089 | 24                         | 10-88-3242           | A-70216-0128 | 24                         | 10-89-4242           | A-70216-0245 |
| 26                         | 10-88-3261           | A-70216-0090 | 26                         | 10-88-3262           | A-70216-0129 | 26                         | 10-89-4262           | A-70216-0246 |
| 28                         | 10-88-3281           | A-70216-0091 | 28                         | 10-88-3282           | A-70216-0130 | 28                         | 10-89-4282           | A-70216-0247 |
| 30                         | 10-88-3301           | A-70216-0092 | 30                         | 10-88-3302           | A-70216-0131 | 30                         | 10-89-4302           | A-70216-0248 |
|                            |                      |              |                            |                      |              |                            |                      |              |
|                            |                      |              |                            |                      |              |                            |                      |              |
|                            |                      |              |                            |                      |              |                            |                      |              |
|                            |                      |              |                            |                      |              |                            |                      |              |
|                            |                      |              |                            |                      |              |                            |                      |              |

|                                                    |                                   |                                                                                                   |                                        |                                          |                                      |
|----------------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------|--------------------------------------|
| REV:<br><br><b>A1</b>                              | <u>ECR/ECN INFORMATION</u>        | <u>TITLE:</u><br><br>RT. ANG. WAFER ASS'Y<br>2.54/.100 GRID, DUAL ROW<br>BREAKAWAY 0.64/.025 PINS |                                        |                                          | <u>SHEET No.</u><br><br><b>- 2 -</b> |
|                                                    | <u>EC No:</u> <b>UCP2007-1509</b> |                                                                                                   |                                        |                                          |                                      |
|                                                    | <u>DATE:</u> <b>2006-12-18</b>    |                                                                                                   |                                        |                                          |                                      |
| <u>DOCUMENT NUMBER:</u><br><br><b>SD-70216-001</b> |                                   | <u>CREATED / REVISED BY:</u><br><br><b>PRIDDER</b>                                                | <u>CHECKED BY:</u><br><br><b>ADERR</b> | <u>APPROVED BY:</u><br><br><b>FSMITH</b> |                                      |

| ENG. NO: A-70216-0274/0287 |                      |              | ENG. NO: A-70216-0391/0404 |                      |              | ENG. NO: A-70216-0430/0443 |                      |              |
|----------------------------|----------------------|--------------|----------------------------|----------------------|--------------|----------------------------|----------------------|--------------|
| DIM. C                     | (8.13)/.320          |              | DIM. C                     | (6.10)/.240          |              | DIM. C                     | (8.13)/.320          |              |
| DIM. E (REF.)              | (2.79)/.110          |              | DIM. E (REF.)              | (2.79)/.110          |              | DIM. E (REF.)              | (2.79)/.110          |              |
| FINISH                     | 15 GOLD              |              | FINISH                     | 30 GOLD              |              | FINISH                     | 30 GOLD              |              |
| CONNECTOR END PLATING      | GOLD                 |              | CONNECTOR END PLATING      | GOLD                 |              | CONNECTOR END PLATING      | GOLD                 |              |
| DIM. D (MEASURE PT.)       | (4.57)/.180          |              | DIM. D (MEASURE PT.)       | (2.54)/.100          |              | DIM. D (MEASURE PT.)       | (4.57)/.180          |              |
| P.C. BOARD END PLATING     | TIN                  |              | P.C. BOARD END PLATING     | TIN                  |              | P.C. BOARD END PLATING     | TIN                  |              |
| DIM. F (MEASURE PT.)       | (1.27)/.050          |              | DIM. F (MEASURE PT.)       | (1.27)/.050          |              | DIM. F (MEASURE PT.)       | (1.27)/.050          |              |
| PACKAGING                  | SEE NOTE 4 ON SHT. 1 |              | PACKAGING                  | SEE NOTE 4 ON SHT. 1 |              | PACKAGING                  | SEE NOTE 4 ON SHT. 1 |              |
| CKTS                       | EDP NUMBER           | ENG. NUMBER  | CKTS                       | EDP NUMBER           | ENG. NUMBER  | CKTS                       | EDP NUMBER           | ENG. NUMBER  |
| 04                         | 10-89-4043           | A-70216-0274 | 04                         | 10-89-4046           | A-70216-0391 | 04                         | 10-89-4047           | A-70216-0430 |
| 06                         | 10-89-4063           | A-70216-0275 | 06                         | 10-89-4066           | A-70216-0392 | 06                         | 10-89-4067           | A-70216-0431 |
| 08                         | 10-89-4083           | A-70216-0276 | 08                         | 10-89-4086           | A-70216-0393 | 08                         | 10-89-4087           | A-70216-0432 |
| 10                         | 10-89-4103           | A-70216-0277 | 10                         | 10-89-4106           | A-70216-0394 | 10                         | 10-89-4107           | A-70216-0433 |
| 12                         | 10-89-4123           | A-70216-0278 | 12                         | 10-89-4126           | A-70216-0395 | 12                         | 10-89-4127           | A-70216-0434 |
| 14                         | 10-89-4143           | A-70216-0279 | 14                         | 10-89-4146           | A-70216-0396 | 14                         | 10-89-4147           | A-70216-0435 |
| 16                         | 10-89-4163           | A-70216-0280 | 16                         | 10-89-4166           | A-70216-0397 | 16                         | 10-89-4167           | A-70216-0436 |
| 18                         | 10-89-4183           | A-70216-0281 | 18                         | 10-89-4186           | A-70216-0398 | 18                         | 10-89-4187           | A-70216-0437 |
| 20                         | 10-89-4203           | A-70216-0282 | 20                         | 10-89-4206           | A-70216-0399 | 20                         | 10-89-4207           | A-70216-0438 |
| 22                         | 10-89-4223           | A-70216-0283 | 22                         | 10-89-4226           | A-70216-0400 | 22                         | 10-89-4227           | A-70216-0439 |
| 24                         | 10-89-4243           | A-70216-0284 | 24                         | 10-89-4246           | A-70216-0401 | 24                         | 10-89-4247           | A-70216-0440 |
| 26                         | 10-89-4263           | A-70216-0285 | 26                         | 10-89-4266           | A-70216-0402 | 26                         | 10-89-4267           | A-70216-0441 |
| 28                         | 10-89-4283           | A-70216-0286 | 28                         | 10-89-4286           | A-70216-0403 | 28                         | 10-89-4287           | A-70216-0442 |
| 30                         | 10-89-4303           | A-70216-0287 | 30                         | 10-89-4306           | A-70216-0404 | 30                         | 10-89-4307           | A-70216-0443 |
|                            |                      |              |                            |                      |              |                            |                      |              |
|                            |                      |              |                            |                      |              |                            |                      |              |
|                            |                      |              |                            |                      |              |                            |                      |              |
|                            |                      |              |                            |                      |              |                            |                      |              |
|                            |                      |              |                            |                      |              |                            |                      |              |

|                                                    |                                   |                                                                                                   |                                        |                                          |                                      |
|----------------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------|--------------------------------------|
| REV:<br><br><b>A1</b>                              | <u>ECR/ECN INFORMATION</u>        | <u>TITLE:</u><br><br>RT. ANG. WAFER ASS'Y<br>2.54/.100 GRID, DUAL ROW<br>BREAKAWAY 0.64/.025 PINS |                                        |                                          | <u>SHEET No.</u><br><br><b>- 3 -</b> |
|                                                    | <u>EC No:</u> <b>UCP2007-1509</b> |                                                                                                   |                                        |                                          |                                      |
|                                                    | <u>DATE:</u> <b>2006-12-18</b>    |                                                                                                   |                                        |                                          |                                      |
| <u>DOCUMENT NUMBER:</u><br><br><b>SD-70216-001</b> |                                   | <u>CREATED / REVISED BY:</u><br><br><b>PRIDDER</b>                                                | <u>CHECKED BY:</u><br><br><b>ADERR</b> | <u>APPROVED BY:</u><br><br><b>FSMITH</b> |                                      |

| ENG. NO: A-70216-0313/0326 |                      |              | ENG. NO: A-70216-      |            |             | ENG. NO: A-70216-      |            |             |
|----------------------------|----------------------|--------------|------------------------|------------|-------------|------------------------|------------|-------------|
| DIM. C                     | (6.10)/.240          |              | DIM. C                 |            |             | DIM. C                 |            |             |
| DIM. E (REF.)              | (4.19)/.165          |              | DIM. E (REF.)          |            |             | DIM. E (REF.)          |            |             |
| FINISH                     | 15 GOLD              |              | FINISH                 |            |             | FINISH                 |            |             |
| CONNECTOR END PLATING      | GOLD                 |              | CONNECTOR END PLATING  |            |             | CONNECTOR END PLATING  |            |             |
| DIM. D (MEASURE PT.)       | (4.57)/.180          |              | DIM. D (MEASURE PT.)   |            |             | DIM. D (MEASURE PT.)   |            |             |
| P.C. BOARD END PLATING     | TIN                  |              | P.C. BOARD END PLATING |            |             | P.C. BOARD END PLATING |            |             |
| DIM. F (MEASURE PT.)       | (1.27)/.050          |              | DIM. F (MEASURE PT.)   |            |             | DIM. F (MEASURE PT.)   |            |             |
| PACKAGING                  | SEE NOTE 4 ON SHT. 1 |              | PACKAGING              |            |             | PACKAGING              |            |             |
| CKTS                       | EDP NUMBER           | ENG. NUMBER  | CKTS                   | EDP NUMBER | ENG. NUMBER | CKTS                   | EDP NUMBER | ENG. NUMBER |
| 04                         |                      |              | 04                     |            |             | 04                     |            |             |
| 06                         |                      |              | 06                     |            |             | 06                     |            |             |
| 08                         |                      |              | 08                     |            |             | 08                     |            |             |
| 10                         |                      |              | 10                     |            |             | 10                     |            |             |
| 12                         |                      |              | 12                     |            |             | 12                     |            |             |
| 14                         |                      |              | 14                     |            |             | 14                     |            |             |
| 16                         |                      |              | 16                     |            |             | 16                     |            |             |
| 18                         |                      |              | 18                     |            |             | 18                     |            |             |
| 20                         |                      |              | 20                     |            |             | 20                     |            |             |
| 22                         |                      |              | 22                     |            |             | 22                     |            |             |
| 24                         |                      |              | 24                     |            |             | 24                     |            |             |
| 26                         |                      |              | 26                     |            |             | 26                     |            |             |
| 28                         |                      |              | 28                     |            |             | 28                     |            |             |
| 30                         | 50-34-8535           | A-70216-0326 | 30                     |            |             | 30                     |            |             |
|                            |                      |              |                        |            |             |                        |            |             |
|                            |                      |              |                        |            |             |                        |            |             |
|                            |                      |              |                        |            |             |                        |            |             |
|                            |                      |              |                        |            |             |                        |            |             |

|                                                    |                                   |                                                                                                   |                                        |                                          |                                      |
|----------------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------|--------------------------------------|
| REV:<br><br><b>A1</b>                              | <u>ECR/ECN INFORMATION</u>        | <u>TITLE:</u><br><br>RT. ANG. WAFER ASS'Y<br>2.54/.100 GRID, DUAL ROW<br>BREAKAWAY 0.64/.025 PINS |                                        |                                          | <u>SHEET No.</u><br><br><b>- 4 -</b> |
|                                                    | <u>EC No:</u> <b>UCP2007-1509</b> |                                                                                                   |                                        |                                          |                                      |
|                                                    | <u>DATE:</u> <b>2006-12-18</b>    |                                                                                                   |                                        |                                          |                                      |
| <u>DOCUMENT NUMBER:</u><br><br><b>SD-70216-001</b> |                                   | <u>CREATED / REVISED BY:</u><br><br><b>PRIDDER</b>                                                | <u>CHECKED BY:</u><br><br><b>ADERR</b> | <u>APPROVED BY:</u><br><br><b>FSMITH</b> |                                      |



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.