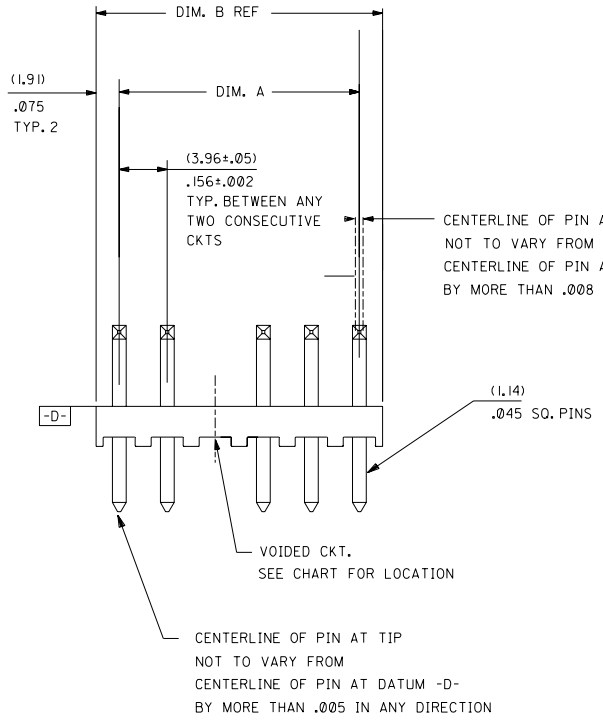
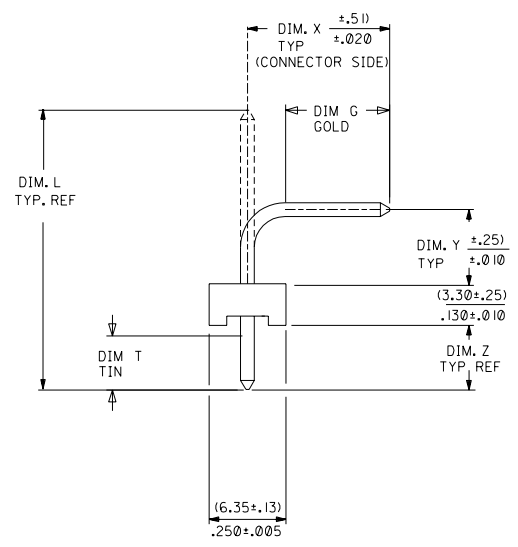


RECOMMENDED PC BOARD HOLE LAYOUT  
FOR CORRECT ORIENTATION OF PARTS WITH  
VOIDS ELIMINATE CORRESPONDING PCB HOLE



| NO. OF CKT'S. | DIM. A                 | DIM. B        |
|---------------|------------------------|---------------|
| 2             | (3.96±.05) .156±.002   | (7.77) .306   |
| 3             | (7.92±.08) .312±.003   | (11.73) .462  |
| 4             | (11.89±.08) .468±.003  | (15.70) .618  |
| 5             | (15.85±.10) .624±.004  | (19.66) .774  |
| 6             | (19.81±.10) .780±.004  | (23.62) .930  |
| 7             | (23.77±.10) .936±.004  | (27.58) 1.086 |
| 8             | (27.74±.13) 1.092±.005 | (31.55) 1.242 |
| 9             | (31.70±.13) 1.248±.005 | (35.51) 1.398 |
| 10            | (35.66±.13) 1.404±.005 | (39.47) 1.554 |
| 11            | (39.62±.15) 1.560±.006 | (43.43) 1.710 |
| 12            | (43.59±.15) 1.716±.006 | (47.40) 1.866 |
| 13            | (47.55±.15) 1.872±.006 | (51.36) 2.022 |
| 14            | (51.51±.18) 2.028±.007 | (55.32) 2.178 |
| 15            | (55.47±.18) 2.184±.007 | (59.28) 2.334 |
| 16            | (59.44±.18) 2.340±.007 | (63.25) 2.490 |
| 17            | (63.40±.20) 2.496±.008 | (67.21) 2.646 |
| 18            | (67.36±.20) 2.652±.008 | (71.17) 2.802 |

NOTES:

- PRECEDING ENG. NO. IN CHART DESIGNATES STANDARD PRODUCT.
- SOLDERABILITY: WHEN PARTS ARE SOLDERED AT A TEMPERATURE OF 230°C (446°F) FOR 5 SECONDS, EACH SOLDERED SURFACE SHALL BE A MINIMUM OF 95% COVERED WITH A SMOOTH CONTINUOUS ADHERENT COATING. FOR OTHER INFORMATION SEE ES-152.
- PIN PUSH OUT FORCE: PRIOR TO SOLDERING, A 3 POUND MINIMUM FORCE (IN EITHER DIRECTION) SHALL BE REQUIRED TO PUSH THE PIN OUT OF THE HEADER.
- FOR ADDITIONAL INFORMATION AND TESTING PROCEDURES SEE PS-08-50.
- PARTS ARE STACKABLE END TO END ON (3.96)/.156 CENTERS.
- FOR PART WITH PEG SEE DWG. NO. SDA-42472

MATERIAL: HEADER: GLASS FILLED POLYESTER, 94V-0, MOLDED NATURAL (WHITE).  
PIN: BRASS

PLATINGS:  
(102) ELECTRO TIN .000450/.000200 OVER .000200/.000100 COPPER  
(567) SELECT GOLD 15 M.I. MIN SELECT TIN/LEAD 100 M.I. MIN OVER NICKEL OVERALL  
(569) SELECT GOLD 30 M.I. MIN SELECT TIN/LEAD 100 M.I. MIN OVER NICKEL OVERALL  
FOR ADDITIONAL INFORMATION SE SDES-88.

| FILE NAME | REVISIONS | DATE | BY   |
|-----------|-----------|------|------|
| 541772X1  |           |      | LENZ |

|                 |    |
|-----------------|----|
| REL 0588/0604   | HI |
| UCR2002-0752    |    |
| 03/11/02 SAMIEC |    |
| REV TO WW SPEC  | H  |
| UCR2002-0077    |    |
| 7/25/01 SAMIEC  |    |
| REL 0574/0587   | G3 |
| UCR2001-0262    |    |
| 9-9-00 SAMIEC   |    |

DIMENSIONS SHOWN (METRIC) INCH  
UNLESS OTHERWISE SPECIFIED  
TOLERANCES: ANGULAR ± 1/2°

|           |      |        |
|-----------|------|--------|
| 3 PLACE ± | INCH | METRIC |
| 2 PLACE ± |      |        |
| 1 PLACE ± |      |        |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY: SAMIEC  
CHK'D. BY: PATEL  
APP'D. BY: LENZ  
SCALE: :

REVISIONS

NO. OF CKT'S. DIM. A DIM. B

TITLE: FLAT HEADER ASS'Y  
.156 C BENT SQ PINS, W/O PEG  
41772 SERIES DRAWING

MOLEX INCORPORATED  
LITTLE, ILL. 60532 U.S.A.

SHEET NO. 1 OF 6  
DATE 09/09/87

PART NO. SEE CHART  
DRWG. NO. SDA-41772

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

|   |    |
|---|----|
| 6 | HI |
| 5 | H  |
| 4 | H  |
| 3 | H  |
| 2 | H  |
| 1 | HI |

MFG. SH. REV.

|   | 13                | 12              | 11              | 10      | 9                | 8               | 7              | 6               | 41772           | 4              | 3      | 2          | 1         |                          |
|---|-------------------|-----------------|-----------------|---------|------------------|-----------------|----------------|-----------------|-----------------|----------------|--------|------------|-----------|--------------------------|
|   | ENG. NO.          | HEADER NO.      | PIN NO.         | PLATING | DIM. L           | DIM. X          | DIM. G GOLD    | DIM. Y          | DIM. Z          | DIM. T TIN     | DIM. W | NO OF CKTS | VOID CKTS | PACKAGING                |
| J | A-41772-0368/0377 | 41770-0009/0018 | 2161-16(102)    | 102     | (25.40)<br>1.000 | (14.86)<br>.585 | ( )<br>N/A     | (4.95 )<br>.195 | (3.56 )<br>.140 | ( )<br>OVERALL | 90°    | 9-18       | 9         | BULK PER<br>PK-41772-002 |
|   | A-41772-0378/0394 | 41770-0002/0018 | 2161--56(102) * | 102     | (17.86)<br>.703  | (5.94 )<br>.234 | ( )<br>N/A     | (4.90 )<br>.193 | (4.45 )<br>.175 | ( )<br>OVERALL | 90°    | 2-18       |           | BULK PER<br>PK-41772-001 |
|   | A-41772-0412/0428 | 41770-0002/0018 | 2161-63(102) *  | 102     | (24.38)<br>.960  | (15.06)<br>.593 | ( )<br>N/A     | (2.71 )<br>.107 | (4.06 )<br>.160 | ( )<br>OVERALL | 90°    | 2-18       |           | BULK PER<br>PK-41772-001 |
| I | A-41772-0429/0445 | 41770-0002/0018 | 2161-67(102) *  | 102     | (18.69)<br>.736  | (10.48)<br>.413 | ( )<br>N/A     | (2.71 )<br>.107 | (2.92 )<br>.115 | ( )<br>OVERALL | 90°    | 2-18       |           | BULK PER<br>PK-41772-001 |
|   | A-41772-0446/0462 | 41770-0002/0018 | 2161-2(1501)    | 501     | (28.57)<br>1.125 | (17.60)<br>.693 | ( )<br>OVERALL | (4.95 )<br>.195 | (3.99 )<br>.157 | ( )<br>N/A     | 90°    | 2-18       |           | BULK PER<br>PK-41772-002 |
|   | A-41772-0531/0547 | 41770-0002/0018 | 2161-62(102)    | 102     | (24.89)<br>.980  | (14.86)<br>.585 | ( )<br>N/A     | (4.95 )<br>.195 | (3.05 )<br>.120 | ( )<br>OVERALL | 90°    | 2-18       |           | BULK PER<br>PK-41772-002 |

\* ON ASSEMBLIES A-41772-0378 / -0445 THE PIN BEND RADIUS IS TO BE .045 R

| A-41772-0368/0377 |              |              | A-41772-0378/0394 |              |            | A-41772-0412/0428 |              |            | A-41772-0429/0445 |              |            | A-41772-0446/0462 |              |            | A-41772-0531/0547 |              |            |
|-------------------|--------------|--------------|-------------------|--------------|------------|-------------------|--------------|------------|-------------------|--------------|------------|-------------------|--------------|------------|-------------------|--------------|------------|
| EDP NO.           | ENG. NO.     | NO OF CKTS   | EDP NO.           | ENG. NO.     | NO OF CKTS | EDP NO.           | ENG. NO.     | NO OF CKTS | EDP NO.           | ENG. NO.     | NO OF CKTS | EDP NO.           | ENG. NO.     | NO OF CKTS | EDP NO.           | ENG. NO.     | NO OF CKTS |
|                   |              | 2            | 26-60-3029        | A-41772-0378 | 2          | 27-60-3020        | A-41772-0412 | 2          |                   | A-41772-0429 | 2          | 27-60-3022        | A-41772-0446 | 2          | 41772-0531        | A-41772-0531 | 2          |
|                   |              | 3            | 26-60-3039        | A-41772-0379 | 3          |                   | A-41772-0413 | 3          |                   | A-41772-0430 | 3          | 27-60-3032        | A-41772-0447 | 3          | 41772-0532        | A-41772-0532 | 3          |
|                   |              | 4            | 26-60-3049        | A-41772-0380 | 4          |                   | A-41772-0414 | 4          |                   | A-41772-0431 | 4          | 27-60-3042        | A-41772-0448 | 4          | 41772-0533        | A-41772-0533 | 4          |
|                   |              | 5            | 26-60-3059        | A-41772-0381 | 5          |                   | A-41772-0415 | 5          |                   | A-41772-0432 | 5          | 27-60-3052        | A-41772-0449 | 5          | 41772-0534        | A-41772-0534 | 5          |
|                   |              | 6            | 26-60-3069        | A-41772-0382 | 6          |                   | A-41772-0416 | 6          | 27-60-3061        | A-41772-0433 | 6          | 27-60-3062        | A-41772-0450 | 6          | 41772-0535        | A-41772-0535 | 6          |
|                   |              | 7            | 26-60-3079        | A-41772-0383 | 7          | 27-60-3070        | A-41772-0417 | 7          | 27-60-3071        | A-41772-0434 | 7          | 27-60-3072        | A-41772-0451 | 7          | 41772-0536        | A-41772-0536 | 7          |
|                   |              | 8            | 26-60-3089        | A-41772-0384 | 8          |                   | A-41772-0418 | 8          |                   | A-41772-0435 | 8          | 27-60-3082        | A-41772-0452 | 8          | 41772-0537        | A-41772-0537 | 8          |
|                   | A-41772-0368 | 9            | 26-60-3099        | A-41772-0385 | 9          |                   | A-41772-0419 | 9          |                   | A-41772-0436 | 9          | 27-60-3092        | A-41772-0453 | 9          | 41772-0538        | A-41772-0538 | 9          |
|                   | A-41772-0369 | 10           | 26-60-3109        | A-41772-0386 | 10         |                   | A-41772-0420 | 10         |                   | A-41772-0437 | 10         | 27-60-3102        | A-41772-0454 | 10         | 41772-0539        | A-41772-0539 | 10         |
|                   | A-41772-0370 | 11           | 26-60-3119        | A-41772-0387 | 11         |                   | A-41772-0421 | 11         |                   | A-41772-0438 | 11         | 27-60-3112        | A-41772-0455 | 11         | 41772-0540        | A-41772-0540 | 11         |
|                   | 26-62-3125   | A-41772-0371 | 26-60-3129        | A-41772-0388 | 12         |                   | A-41772-0422 | 12         |                   | A-41772-0439 | 12         | 27-60-3122        | A-41772-0456 | 12         | 41772-0541        | A-41772-0541 | 12         |
|                   |              | A-41772-0372 | 26-60-3139        | A-41772-0389 | 13         |                   | A-41772-0423 | 13         |                   | A-41772-0440 | 13         | 27-60-3132        | A-41772-0457 | 13         | 41772-0542        | A-41772-0542 | 13         |
|                   |              | A-41772-0373 | 26-60-3149        | A-41772-0390 | 14         |                   | A-41772-0424 | 14         |                   | A-41772-0441 | 14         | 27-60-3142        | A-41772-0458 | 14         | 41772-0543        | A-41772-0543 | 14         |
|                   |              | A-41772-0374 | 26-60-3159        | A-41772-0391 | 15         |                   | A-41772-0425 | 15         |                   | A-41772-0442 | 15         | 27-60-3152        | A-41772-0459 | 15         | 41772-0544        | A-41772-0544 | 15         |
|                   |              | A-41772-0375 | 26-60-3169        | A-41772-0392 | 16         |                   | A-41772-0426 | 16         |                   | A-41772-0443 | 16         | 27-60-3162        | A-41772-0460 | 16         | 41772-0545        | A-41772-0545 | 16         |
|                   |              | A-41772-0376 | 26-60-3179        | A-41772-0393 | 17         |                   | A-41772-0427 | 17         |                   | A-41772-0444 | 17         | 27-60-3172        | A-41772-0461 | 17         | 41772-0546        | A-41772-0546 | 17         |
|                   |              | A-41772-0377 | 26-60-3189        | A-41772-0394 | 18         |                   | A-41772-0428 | 18         |                   | A-41772-0445 | 18         | 27-60-3182        | A-41772-0462 | 18         | 41772-0547        | A-41772-0547 | 18         |

|      |             |      |             |  |
|------|-------------|------|-------------|--|
| H    | SEE SHEET I | D    | SEE SHEET I | DIMENSIONS SHOWN (METRIC) INCH<br>UNLESS OTHERWISE SPECIFIED<br>TOLERANCES ANGULAR ± 1/2°<br>3 PLACE ± INCH METRIC<br>2 PLACE ± ±<br>1 PLACE ± ±<br>DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS<br>DRWG. NO. SDA-41772<br>FILE NAME S41772X5<br>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |
| G    | SEE SHEET I | C    | SEE SHEET I |  |
| F1   | SEE SHEET I | B    | SEE SHEET I |  |
| F    | SEE SHEET I | A19  | SEE SHEET I |  |
| E14  | SEE SHEET I | A17  | SEE SHEET I |  |
| E13  | SEE SHEET I | A14  | SEE SHEET I |  |
| E12  | SEE SHEET I | A13  | SEE SHEET I |  |
| LTR. | REVISIONS   | LTR. | REVISIONS   |  |