

RECOMMENDED PC BOARD HOLE LAYOUT
FOR CORRECT ORIENTATION OF PARTS WITH
VOIDS ELIMINATE CORRESPONDING PCB HOLE
(FOR .062 THK PCB)

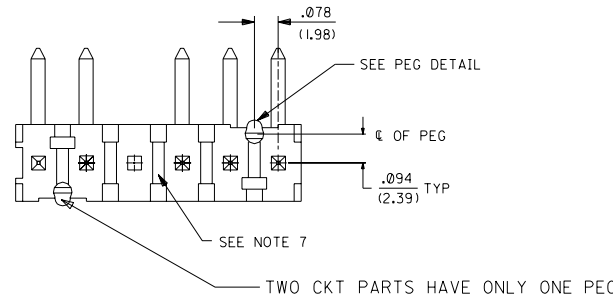
| NO. OF CKT'S. | DIM. A | DIM. B | NO. OF PEGS |
|---------------|---------------------------|------------------|-------------|
| 2 | (3.96±.05) .156±.002 | (7.77) .306 | 1 |
| 3 | (7.92±.08) .312±.003 | (11.73) .462 | 2 |
| 4 | (11.89±.08) .468±.003 | (15.70) .618 | 2 |
| 5 | (15.85±.10) .624±.004 | (19.66) .774 | 2 |
| 6 | (19.81±.10) .780±.004 | (23.62) .930 | 2 |
| 7 | (23.77±.10) .936±.004 | (27.58) 1.086 | 2 |
| 8 | (27.74±.13) 1.092±.005 | (31.55) 1.242 | 2 |
| 9 | (31.70±.13) 1.248±.005 | (35.51) 1.398 | 2 |
| 10 | (35.66±.13) 1.404±.005 | (39.47) 1.554 | 2 |
| 11 | (39.62±.15) 1.560±.006 | (43.43) 1.710 | 2 |
| 12 | (43.59±.15) 1.716±.006 | (47.40) 1.866 | 2 |
| 13 | (47.55±.15) 1.872±.006 | (51.36) 2.022 | 2 |
| 14 | (51.51±.18) 2.028±.007 | (55.32) 2.178 | 2 |
| 15 | (55.47±.18) 2.184±.007 | (59.28) 2.334 | 2 |
| 16 | (59.44±.18) 2.340±.007 | (63.25) 2.490 | 2 |
| 17 | (63.40±.20) 2.496±.008 | (67.21) 2.646 | 2 |
| 18 | (67.36±.20) 2.652±.008 | (71.17) 2.802 | 2 |

NOTES:

- 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 WITHOUT PEGS SEE DWG. NO. SDA-41772
- EXPANSION SLOTS TO BE THRU-SLOTS, AS SHOWN, FOR 4 THRU 18 CKT. PARTS.

MATERIAL: HEADER: GLASS FILLED POLYESTER, 94V-0, MOLDED NATURAL (WHITE).
FINISH: PER ES-88
(102) OVERALL TIN: .00508 MICROMETERS MIN OVER .00254 MIN COPPER.
(208) SELECT GOLD: .00038 MICROMETERS MIN,
*SELECT TIN: .00254 MICROMETERS MIN,
OVERALL NICKEL UNDERPLATE: .00127 MICROMETERS MIN.
(228) SELECT GOLD: .00076 MICROMETERS MIN,
*SELECT TIN: .00254 MICROMETERS MIN,
OVERALL NICKEL UNDERPLATE: .00127 MICROMETERS MIN.

*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 TIN-LEAD PLATING.



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|------------------|--|------------------|--|--|---|---|--|---|------------------------------|--|-------------------------------------|---|----------------------|--------------------|--|---------------|------------------------|
| L.T.R. REVISIONS | | L.T.R. REVISIONS | | REV TO WW PACK UCR2002-0079 7/25/01 SAMIEC | REV EDP ON -3001/ UCR1999-0139 98-8-21 SAMIEC | ADD/REL 0120/0134 UCR1998-0364 98-6-30 SAMIEC | LEADFREE UPDATE UCP2004-1811 3-17-04 CZUMA | DRWG. BY: SAMIEC CHK'D. BY: PATEL APP'D. BY: LENZ | CHK'D. BY: PATEL SCALE: : | DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2° | 3 PLACE ± 2 PLACE ± 1 PLACE ± | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | DRWG. NO. SD A-42872 | FILE NAME S42872X1 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. | DATE 01/15/91 | REV. 3 F 2 G 1 G |
|------------------|--|------------------|--|--|---|---|--|---|------------------------------|--|-------------------------------------|---|----------------------|--------------------|--|---------------|------------------------|

| | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 42872 | | 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-42872-0019/0035 | 41770-0036/0052 | 2161-16(501) | 501 | (25.40) 1.000 | (14.86) .585 | () OVERALL | (4.95) .195 | (3.56) .140 | () N/A | 90° | 2-18 | NONE | BULK PER PK-41772-002 |
| | A-42872-0053/0069 | 41770-0036/0052 | 2161-52(501) | 501 | (27.00) 1.063 | (16.51) .650 | () OVERALL | (4.95) .195 | (3.51) .138 | () N/A | 90° | 2-18 | NONE | BULK PER PK-41772-002 |
| | 42872-0070/0081 | 41770-0036/0052 | 2161-16(102) | 102 | (25.40) 1.000 | (14.86) .585 | () N/A | (4.95) .195 | (3.56) .140 | () OVERALL | 90° | 7-18 | 7 | BULK PER PK-41772-002 |
| I | 42872-0082/0086 | 41770-0036/0052 | 2161-16(102) | 102 | (25.40) 1.000 | (14.86) .585 | () N/A | (4.95) .195 | (3.56) .140 | () OVERALL | 90° | 14-18 | 2,4,6,8,10 11,12,13,14 | BULK PER PK-41772-002 |
| | 42872-0087/0103 | 41770-0036/0052 | 2161-62(102) | 102 | (24.89) .980 | (14.86) .585 | () N/A | (4.45) .175 | (3.56) .140 | () OVERALL | 90° | 2-18 | | BULK PER PK-41772-002 |
| | 42872-0104/0119 | 41770-0036/0052 | 2161-16(102) | 102 | (25.40) 1.000 | (14.86) .585 | () N/A | (4.95) .195 | (3.56) .140 | () OVERALL | 90° | 3-18 | 2 | BULK PER PK-41772-002 |
| H | 42872-3001/3015 | 41770-0037/0052 | 2161-16(102) | 102 | (25.40) 1.000 | (14.86) .585 | () N/A | (4.95) .195 | (3.56) .140 | () OVERALL | 90° | 4-18 | 4 | BULK PER PK-41772-002 |
| | A- / | - / | - | | () | () | () | () | () | () | | | | BULK PER PK-41772-002 |

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| G | | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | | |

| | A-42872-0019/0035 | | | A-42872-0053/0069 | | | 42872-0070/0081 | | 42872-0082/0086 | | 42872-0087/0103 | | 42872-0104/0119 | | 42872-0120/0134 | | | |
|---|-------------------|--------------|------------|-------------------|--------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-------------|------------|
| | MATERIAL NO | ENG. NO. | NO OF CKTS | MATERIAL NO | ENG. NO. | NO OF CKTS | MATERIAL NO | NO OF CKTS | MATERIAL NO | NO OF CKTS | MATERIAL NO | NO OF CKTS | MATERIAL NO | NO OF CKTS | MATERIAL NO | NO OF CKTS | MATERIAL NO | NO OF CKTS |
| D | 26-60-9024 | A-42872-0019 | 2 | 26-60-9026 | A-42872-0053 | 2 | | 2 | | 2 | 42872-0087 | 2 | | 2 | | 2 | | 2 |
| | 26-60-9034 | A-42872-0020 | 3 | 26-60-9036 | A-42872-0054 | 3 | | 3 | | 3 | 42872-0088 | 3 | | 3 | 42872-0104 | 3 | | 3 |
| | 26-60-9044 | A-42872-0021 | 4 | 26-60-9046 | A-42872-0055 | 4 | | 4 | | 4 | 42872-0089 | 4 | | 4 | 42872-0105 | 4 | | 4 |
| | 26-60-9054 | A-42872-0022 | 5 | 26-60-9056 | A-42872-0056 | 5 | | 5 | | 5 | 42872-0090 | 5 | | 5 | 42872-0106 | 5 | | 5 |
| | 26-60-9064 | A-42872-0023 | 6 | 26-60-9066 | A-42872-0057 | 6 | | 6 | | 6 | 42872-0091 | 6 | | 6 | 42872-0107 | 6 | | 6 |
| | 26-60-9074 | A-42872-0024 | 7 | 26-60-9076 | A-42872-0058 | 7 | 42872-0070 | 7 | | 7 | 42872-0092 | 7 | | 7 | 42872-0108 | 7 | | 7 |
| | 26-60-9084 | A-42872-0025 | 8 | 26-60-9086 | A-42872-0059 | 8 | 42872-0071 | 8 | | 8 | 42872-0093 | 8 | | 8 | 42872-0109 | 8 | | 8 |
| | 26-60-9094 | A-42872-0026 | 9 | 26-60-9096 | A-42872-0060 | 9 | 42872-0072 | 9 | | 9 | 42872-0094 | 9 | | 9 | 42872-0110 | 9 | | 9 |
| C | 26-60-9104 | A-42872-0027 | 10 | 26-60-9106 | A-42872-0061 | 10 | 42872-0073 | 10 | | 10 | 42872-0095 | 10 | | 10 | 42872-0111 | 10 | | 10 |
| | 26-60-9114 | A-42872-0028 | 11 | 26-60-9116 | A-42872-0062 | 11 | 42872-0074 | 11 | | 11 | 42872-0096 | 11 | | 11 | 42872-0112 | 11 | | 11 |
| | 26-60-9124 | A-42872-0029 | 12 | 26-60-9126 | A-42872-0063 | 12 | 42872-0075 | 12 | | 12 | 42872-0097 | 12 | | 12 | 42872-0113 | 12 | | 12 |
| | 26-60-9134 | A-42872-0030 | 13 | 26-60-9136 | A-42872-0064 | 13 | 42872-0076 | 13 | | 13 | 42872-0098 | 13 | | 13 | 42872-0114 | 13 | | 13 |
| | 26-60-9144 | A-42872-0031 | 14 | 26-60-9146 | A-42872-0065 | 14 | 42872-0077 | 14 | 42872-0082 | 14 | 42872-0099 | 14 | | 14 | 42872-0115 | 14 | | 14 |
| | 26-60-9154 | A-42872-0032 | 15 | 26-60-9156 | A-42872-0066 | 15 | 42872-0078 | 15 | 42872-0083 | 15 | 42872-0100 | 15 | | 15 | 42872-0116 | 15 | | 15 |
| | 26-60-9164 | A-42872-0033 | 16 | 26-60-9166 | A-42872-0067 | 16 | 42872-0079 | 16 | 42872-0084 | 16 | 42872-0101 | 16 | | 16 | 42872-0117 | 16 | | 16 |
| B | 26-60-9174 | A-42872-0034 | 17 | 26-60-9176 | A-42872-0068 | 17 | 42872-0080 | 17 | 42872-0085 | 17 | 42872-0102 | 17 | | 17 | 42872-0118 | 17 | | 17 |
| | 26-60-9184 | A-42872-0035 | 18 | 26-60-9186 | A-42872-0069 | 18 | 42872-0081 | 18 | 42872-0086 | 18 | 42872-0103 | 18 | | 18 | 42872-0119 | 18 | | 18 |

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|-------------|--|----|-------------|--|--|---------------------------|-------|---|--------------|
| SEE SHEET I | | DI | SEE SHEET I | DIMENSIONS SHOWN (METRIC) INCH | | ▽ = 0 | ▼ = 0 | REVISE ONLY ON CAD SYSTEM | |
| SEE SHEET I | | D | SEE SHEET I | UNLESS OTHERWISE SPECIFIED TOLERANCES ANGULAR ± 1/2° | | TITLE | | | |
| SEE SHEET I | | CI | SEE SHEET I | INCH METRIC | | FLAT HEADER ASSY | | | |
| SEE SHEET I | | C | SEE SHEET I | 3 PLACE ± ± | | (3,96)/.1560 BENT SQ PINS | | | |
| SEE SHEET I | | B2 | SEE SHEET I | 2 PLACE ± ± | | 42872 SERIES DWG | | | |
| SEE SHEET I | | BI | SEE SHEET I | 1 PLACE ± ± | | MOLEX INCORPORATED | | SHEET NO. 3 | DATE 6/29/93 |
| SEE SHEET I | | BI | SEE SHEET I | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | MOLEX INCORPORATED | | SHEET NO. 3 | DATE 6/29/93 |
| SEE SHEET I | | A | SEE SHEET I | DRWG. BY: SAMEIC | | CHK'D BY: PATEL | | DRWG. NO. SDA-42872 | |
| SEE SHEET I | | A | SEE SHEET I | APP'D BY: LENZ | | SCALE : | | FILE NAME: S42872X3 | |
| SEE SHEET I | | A | SEE SHEET I | LTR. REVISIONS | | LTR. REVISIONS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | |

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