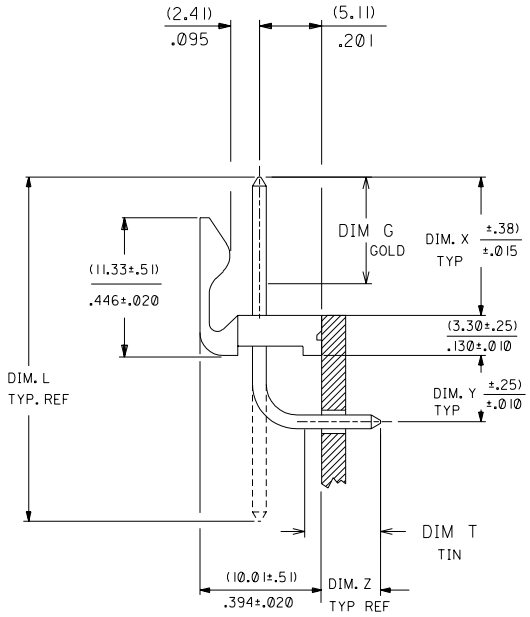
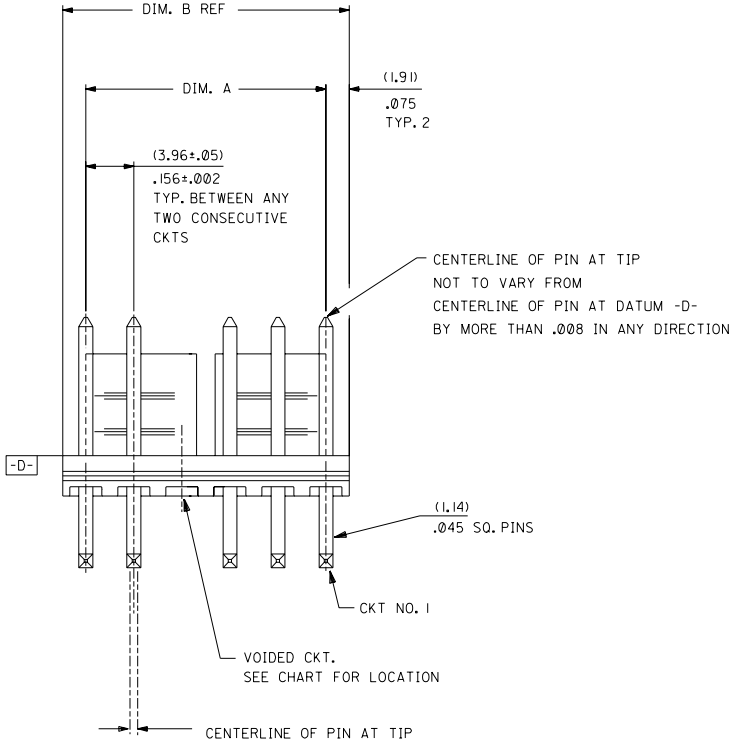
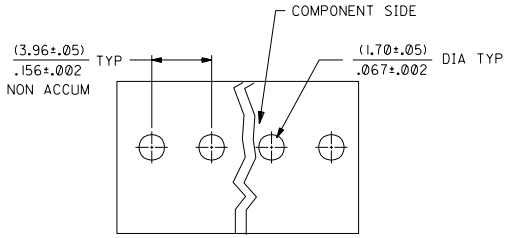
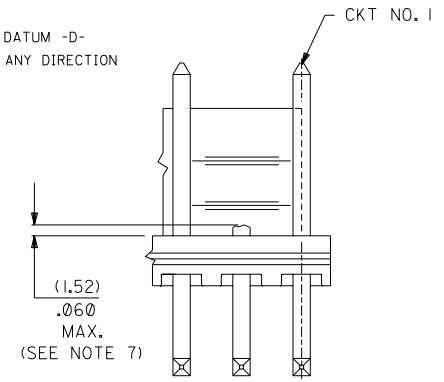



RECOMMENDED PC BOARD HOLE LAYOUT




DETAIL A

(OPTIONAL PIN CUT-OFF TYPE VOID)

| 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:

1. * PRECEDING ENG. NO. IN CHART DESIGNATES STANDARD PRODUCT.
2. 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.
3. 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.
4. FOR ADDITIONAL INFORMATION AND TESTING PROCEDURES SEE PS-08-50.
5. PARTS ARE STACKABLE END TO END ON (3.96)/.156 CENTERS.
6. FOR PART WITH PEGS SEE DWG NO. SDA-42492
7. BURRS DUE TO CUTTING OFF OF PINS MUST NOT VARY FROM CENTERLINE OF PIN AT DATUM -D- BY MORE THAN .008 IN ANY DIRECTION.

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
(569) SELECT GOLD 30 M.I. MIN, SELECT TIN/LEAD 100 M.I. MIN., OVER NICKEL
FOR ADDITIONAL INFORMATION SE SDES-88.

| LTR. | REVISIONS | LTR. | REVISIONS |
|---|---|---|---|
| | | E2 | REL SHT 5 UCP2003-0755 11/6/2002 SAMIEC |
| | | E1 | REL SHT 4 UCR2002-0555 12/17/01 SAMIEC |
| | | E | ADD PACK SPEC UCR2002-0087 7/26/01 SAMIEC |

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

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY SAMIEC | CHK'D. BY PATEL
APP'D. BY LENZ | SCALE 2:1

| MFG. | SH. | REV. |
|---|---|---|
| 6 | | E |
| 5 | | E2 |
| 4 | | E1 |
| 3 | | E |
| 2 | | E |
| 1 | | E2 |

▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM

TITLE: FRICTION LOCK HEADER ASS'Y .156 ℄ BENT SQ PINS, W/O PEGS 41792 SERIES DWG.

molex MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A. | SHEET NO. 1 OF 6 | DATE 09/09/87

PART NO. SEE CHART | DRWG. NO. SDA-41792

FILE NAME S41792X1

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

DIV. KK | SIZE C

41792

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A-41792-0019/0035 | 41790-0002/0018 | 2161-37(501) | 501 | (27.94) 1.100 | (11.43) .450 | ( ) OVERALL | (5.41) .213 | (3.96) .156 | ( ) N/A | 90° | 2-18 | | BULK PER PK-41792-002 |
| A-41792-0036/0050 | 41790-0002/0018 | 2161-37(102) | 102 | (27.94) 1.100 | (11.43) .450 | ( ) N/A | (5.41) .213 | (3.96) .156 | ( ) OVERALL | 90° | 4-18 | 4 | BULK PER PK-41792-002 |
| A-41792-0051/0067 | 41790-0002/0018 | 2161-64(102) | 102 | (29.85) 1.175 | (13.28) .523 | ( ) N/A | (5.41) .213 | (4.01) .158 | ( ) OVERALL | 90° | 2-18 | | BULK PER PK-41792-002 |
| A-41792-0068/0084 | 41790-0002/0018 | 2161-64(501) | 501 | (29.85) 1.175 | (13.28) .523 | ( ) OVERALL | (5.41) .213 | (4.01) .158 | ( ) N/A | 90° | 2-18 | | BULK PER PK-41792-002 |
| A-41792-0085/0101 | 41790-0002/0018 | 2161-64(503) | 503 | (29.85) 1.175 | (13.28) .523 | ( ) OVERALL | (5.41) .213 | (4.01) .158 | ( ) N/A | 90° | 2-18 | | BULK PER PK-41792-002 |
| A-41792-0102/0118 | 41790-0002/0018 | 2161-37(122) | 122 | (27.94) 1.100 | (11.43) .450 | N/A | (5.41) .213 | (3.96) .156 | ( ) OVERALL | 90° | 2-18 | | BULK PER PK-41792-002 |

| A-41792-0019/0035 | | | A-41792-0036/0050 | | | A-41792-0051/0067 | | | A-41792-0068/0084 | | | A-41792-0085/0101 | | | A-41792-0102/0118 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| 26-61-5020 | A-41792-0019 | 2 | | | 2 | 26-60-5021 | A-41792-0051 | 2 | 26-61-5021 | A-41792-0068 | 2 | | A-41792-0085 | 2 | 26-62-5022 | A-41792-0102 | 2 |
| 26-61-5030 | A-41792-0020 | 3 | | | 3 | 26-60-5031 | A-41792-0052 | 3 | 26-61-5031 | A-41792-0069 | 3 | | A-41792-0086 | 3 | 26-62-5032 | A-41792-0103 | 3 |
| 26-61-5040 | A-41792-0021 | 4 | 26-61-5043 | A-41792-0036 | 4 | 26-60-5041 | A-41792-0053 | 4 | 26-61-5041 | A-41792-0070 | 4 | 26-61-5042 | A-41792-0087 | 4 | 26-62-5042 | A-41792-0104 | 4 |
| 26-61-5050 | A-41792-0022 | 5 | 26-61-5053 | A-41792-0037 | 5 | 26-60-5051 | A-41792-0054 | 5 | 26-61-5051 | A-41792-0071 | 5 | | A-41792-0088 | 5 | 26-62-5052 | A-41792-0105 | 5 |
| 26-61-5060 | A-41792-0023 | 6 | 26-61-5063 | A-41792-0038 | 6 | 26-60-5061 | A-41792-0055 | 6 | 26-61-5061 | A-41792-0072 | 6 | 26-61-5062 | A-41792-0089 | 6 | 26-62-5062 | A-41792-0106 | 6 |
| 26-61-5070 | A-41792-0024 | 7 | 26-61-5073 | A-41792-0039 | 7 | 26-60-5071 | A-41792-0056 | 7 | 26-61-5071 | A-41792-0073 | 7 | | A-41792-0090 | 7 | 26-62-5072 | A-41792-0107 | 7 |
| 26-61-5080 | A-41792-0025 | 8 | 26-61-5083 | A-41792-0040 | 8 | 26-60-5081 | A-41792-0057 | 8 | 26-61-5081 | A-41792-0074 | 8 | 26-61-5082 | A-41792-0091 | 8 | 26-62-5082 | A-41792-0108 | 8 |
| 26-61-5090 | A-41792-0026 | 9 | 26-61-5093 | A-41792-0041 | 9 | 26-60-5091 | A-41792-0058 | 9 | 26-61-5091 | A-41792-0075 | 9 | | A-41792-0092 | 9 | 26-62-5092 | A-41792-0109 | 9 |
| 26-61-5100 | A-41792-0027 | 10 | 26-61-5103 | A-41792-0042 | 10 | 26-60-5101 | A-41792-0059 | 10 | 26-61-5101 | A-41792-0076 | 10 | 26-61-5102 | A-41792-0093 | 10 | 26-62-5102 | A-41792-0110 | 10 |
| 26-61-5110 | A-41792-0028 | 11 | 26-61-5113 | A-41792-0043 | 11 | 26-60-5111 | A-41792-0060 | 11 | 26-61-5111 | A-41792-0077 | 11 | | A-41792-0094 | 11 | 26-62-5112 | A-41792-0111 | 11 |
| 26-61-5120 | A-41792-0029 | 12 | 26-61-5123 | A-41792-0044 | 12 | 26-60-5121 | A-41792-0061 | 12 | 26-61-5121 | A-41792-0078 | 12 | 26-61-5122 | A-41792-0095 | 12 | 26-62-5122 | A-41792-0112 | 12 |
| 26-61-5130 | A-41792-0030 | 13 | 26-61-5133 | A-41792-0045 | 13 | 26-60-5131 | A-41792-0062 | 13 | 26-61-5131 | A-41792-0079 | 13 | | A-41792-0096 | 13 | 26-62-5132 | A-41792-0113 | 13 |
| 26-61-5140 | A-41792-0031 | 14 | 26-61-5143 | A-41792-0046 | 14 | 26-60-5141 | A-41792-0063 | 14 | 26-61-5141 | A-41792-0080 | 14 | | A-41792-0097 | 14 | 26-62-5142 | A-41792-0114 | 14 |
| 26-61-5150 | A-41792-0032 | 15 | 26-61-5153 | A-41792-0047 | 15 | 26-60-5151 | A-41792-0064 | 15 | 26-61-5151 | A-41792-0081 | 15 | | A-41792-0098 | 15 | 26-62-5152 | A-41792-0115 | 15 |
| 26-61-5160 | A-41792-0033 | 16 | 26-61-5163 | A-41792-0048 | 16 | 26-60-5161 | A-41792-0065 | 16 | 26-61-5161 | A-41792-0082 | 16 | | A-41792-0099 | 16 | 26-62-5162 | A-41792-0116 | 16 |
| 26-61-5170 | A-41792-0034 | 17 | 26-61-5173 | A-41792-0049 | 17 | 26-60-5171 | A-41792-0066 | 17 | 26-61-5171 | A-41792-0083 | 17 | | A-41792-0100 | 17 | 26-62-5172 | A-41792-0117 | 17 |
| 26-61-5180 | A-41792-0035 | 18 | 26-61-5183 | A-41792-0050 | 18 | 26-60-5181 | A-41792-0067 | 18 | 26-61-5181 | A-41792-0084 | 18 | | A-41792-0101 | 18 | 26-62-5182 | A-41792-0118 | 18 |

| LTR. | REVISIONS | LTR. | REVISIONS |
|---|---|---|---|
| | SEE SHEET 1 | | SEE SHEET 1 |
| | SEE SHEET 1 | | SEE SHEET 1 |
| | SEE SHEET 1 | | SEE SHEET 1 |
| | SEE SHEET 1 | E | SEE SHEET 1 |
| | SEE SHEET 1 | C | SEE SHEET 1 |
| | SEE SHEET 1 | A21 | SEE SHEET 1 |
| | SEE SHEET 1 | A12 | SEE SHEET 1 |

DIMENSIONS SHOWN (METRIC) INCH

UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

▽ = Ø ▼ = Ø REVISE ONLY ON CAD SYSTEM

TITLE: FRICTION LOCK HEADER ASSY .156 ℄ BENT SQ PINS, W/O PEGS 41792 SERIES DWG

molex MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A.

SHEET NO. 3 | DATE 06/28/88

PART NO. SEE CHART | DRWG. NO. SDA-41792

FILE NAME S41792X3

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DIV. C | SIZE C

41792