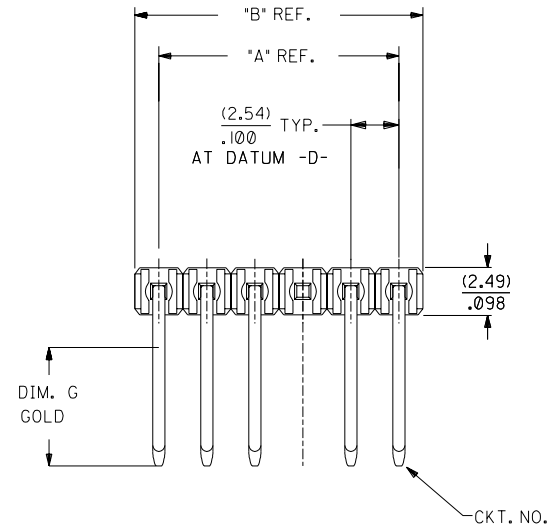
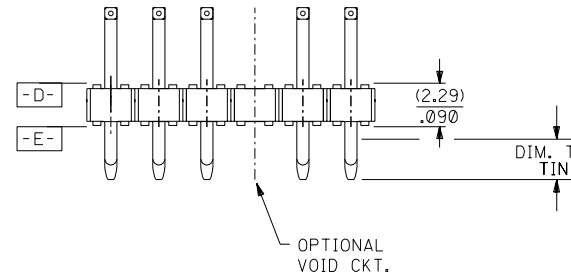


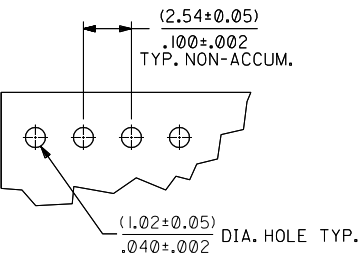
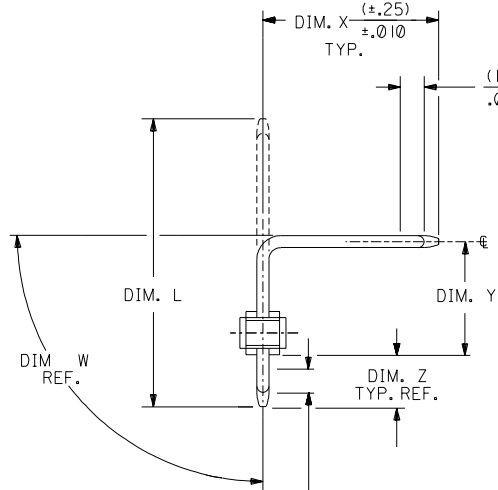
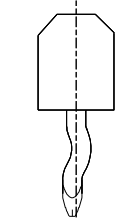
1. MATERIAL: 30% GLASS FILLED NYLON 46,94V-0 COLOR BLACK
2. PIN PUSHOUT 3 LBS. MIN.
3. SOLDERABILITY PER ES-152.
4. PLATING: CONFORMS TO SDES-88  
 (159) PREPLATED TIN/LEAD .000150 MIN OVER NICKEL  
 (567) SELECT GOLD .000015 MIN.  
 SELECT TIN/LEAD .000100 MIN.  
 OVER .000050 MIN NICKEL  
 (569) SELECT GOLD .000030 MIN.  
 SELECT TIN/LEAD .000100 MIN.  
 OVER .000050 MIN NICKEL
5. INDIVIDUAL CIRCUIT SIZES ARE CUT FROM 36 CIRCUIT PARTS AND ARE NOT STACKABLE END TO END OF .100 CENTERS
6. PRODUCT SPECIFICATION: PS-10-07



CENTERLINE OF PIN IN AREA SHOWN NOT TO VARY FROM CENTERLINE OF PIN AT DATUM -D- BY MORE THAN (FOR DIM X OF .350 OR LESS) .008 IN ANY DIRECTION (FOR DIM X OF .351 OR MORE) .012 IN ANY DIRECTION



CENTERLINE OF PIN IN AREA SHOWN NOT TO VARY FROM CENTERLINE OF PIN AT DATUM -E- BY MORE THAN .005 IN ANY DIRECTION.



TYP. HOLE PATTERN FOR .062 THK. PCB

| NO. OF CKTS. | DIM. A           | DIM. B           |
|--------------|------------------|------------------|
| 2            | .100<br>(2.54)   | .200<br>(5.08)   |
| 3            | .200<br>(5.08)   | .300<br>(7.62)   |
| 4            | .300<br>(7.62)   | .400<br>(10.16)  |
| 5            | .400<br>(10.16)  | .500<br>(12.70)  |
| 6            | .500<br>(12.70)  | .600<br>(15.24)  |
| 7            | .600<br>(15.24)  | .700<br>(17.78)  |
| 8            | .700<br>(17.78)  | .800<br>(20.32)  |
| 9            | .800<br>(20.32)  | .900<br>(22.86)  |
| 10           | .900<br>(22.86)  | 1.000<br>(25.40) |
| 11           | 1.000<br>(25.40) | 1.100<br>(27.94) |
| 12           | 1.100<br>(27.94) | 1.200<br>(30.48) |
| 13           | 1.200<br>(30.48) | 1.300<br>(33.02) |
| 14           | 1.300<br>(33.02) | 1.400<br>(35.56) |
| 15           | 1.400<br>(35.56) | 1.500<br>(38.10) |
| 16           | 1.500<br>(38.10) | 1.600<br>(40.64) |
| 17           | 1.600<br>(40.64) | 1.700<br>(43.18) |
| 18           | 1.700<br>(43.18) | 1.800<br>(45.72) |
| 19           | 1.800<br>(45.72) | 1.900<br>(48.26) |
| 20           | 1.900<br>(48.26) | 2.000<br>(50.80) |
| 21           | 2.000<br>(50.80) | 2.100<br>(53.34) |
| 22           | 2.100<br>(53.34) | 2.200<br>(55.88) |
| 23           | 2.200<br>(55.88) | 2.300<br>(58.42) |
| 24           | 2.300<br>(58.42) | 2.400<br>(60.96) |
| 25           | 2.400<br>(60.96) | 2.500<br>(63.50) |
| 26           | 2.500<br>(63.50) | 2.600<br>(66.04) |
| 27           | 2.600<br>(66.04) | 2.700<br>(68.58) |
| 28           | 2.700<br>(68.58) | 2.800<br>(71.12) |
| 29           | 2.800<br>(71.12) | 2.900<br>(73.66) |
| 30           | 2.900<br>(73.66) | 3.000<br>(76.20) |
| 31           | 3.000<br>(76.20) | 3.100<br>(78.74) |
| 32           | 3.100<br>(78.74) | 3.200<br>(81.28) |
| 33           | 3.200<br>(81.28) | 3.300<br>(83.82) |
| 34           | 3.300<br>(83.82) | 3.400<br>(86.36) |
| 35           | 3.400<br>(86.36) | 3.500<br>(88.90) |
| 36           | 3.500<br>(88.90) | 3.600<br>(91.44) |

|   |    |    |                |        |
|---|----|----|----------------|--------|
| 4 | 14 |    |                |        |
| 3 | H  |    |                |        |
| 2 | H  | 14 | ADD -0648/0682 |        |
| 1 | 14 |    | UCR2002-1147   |        |
|   |    |    | 6/27/02        | SAMIEC |

|  |                  |  |                   |
|--|------------------|--|-------------------|
| DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2° |                  | ▽ = 0 ▽ = 0 REVISE ONLY ON CAD SYSTEM  |                   |
| 3 PLACE ± .010   | INCH             | TITLE  |                   |
| 2 PLACE ± .014 ± 0.25  | METRIC           | HEADER ASSY., SINGLE ROW   |                   |
| 1 PLACE ± 0.36   |                  | .100 @ BREAKAWAY   |                   |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                 |                  | 42376 SERIES DWG   |                   |
| DRWG. BY: JJS  | CHK'D. BY: PATEL | MOLEX INCORPORATED   | SHEET NO. DATE    |
| APP'D. BY: LENZ  | SCALE: :         | U.S.A.   | 1 OF 4 9 / 2 / 88 |
| PART NO. DRWG. NO.   |                  | SEE CHART SDA-42376  |                   |
| FILE NAME: S42376X1  |                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |                   |

|   | 13                    | 12              | 11                       | 10              | 9               | 8              | 7              | 6      | 4                | 3               | 2          | 1         |                        |           |               |
|---|-----------------------|-----------------|--------------------------|-----------------|-----------------|----------------|----------------|--------|------------------|-----------------|------------|-----------|------------------------|-----------|---------------|
|   | ENG. NO.              | HEADER NO.      | PIN NO.                  | DIM. L REF      | DIM. X          | DIM. Y         | DIM. Z         | DIM. W | GOLD LOC. DIM. G | TIN LOC. DIM. T | NO OF CKTS | VOID CKTS | PACKAGING PERFORMANCES | KINK PINS | EDP NO ON COL |
| J | A-42376-0002 TO -0036 | 42312-0002/0036 | 42663-BKA159 PHOS BRONZE | .600<br>(15.24) | .361<br>(9.17)  | .142<br>(3.61) | .120<br>(3.05) | 90°    | N/A<br>( )       | OVERALL<br>( )  | 2-36       | NONE      | BULK 40873-0041        | NO        | 1             |
|   | A-42376-0037 TO -0071 | 42312-0002/0036 | 42663-BKB567 PHOS BRONZE | .600<br>(15.24) | .361<br>(9.17)  | .142<br>(3.61) | .120<br>(3.05) | 90°    | .180<br>(4.57)   | .135<br>(3.43)  | 2-36       | NONE      | BULK 40873-0041        | NO        | 2             |
|   | A-42376-0072 TO -0106 | 42312-0002/0036 | 42663-BKB569 PHOS BRONZE | .600<br>(15.24) | .361<br>(9.17)  | .142<br>(3.61) | .120<br>(3.05) | 90°    | .180<br>(4.57)   | .135<br>(3.43)  | 2-36       | NONE      | BULK 40873-0041        | NO        | 3             |
| I | A-42376-0107 TO -0141 | 42312-0002/0036 | 42663-CXA159 PHOS BRONZE | .750<br>(19.05) | .405<br>(10.29) | .248<br>(6.30) | .120<br>(3.05) | 90°    | N/A              | OVERALL         | 2-36       | NONE      | BULK 40873-0041        | NO        | 4             |
|   | A-42376-0142 TO -0176 | 42312-0002/0036 | 42663-CXB567 PHOS BRONZE | .750<br>(19.05) | .405<br>(10.29) | .248<br>(6.30) | .120<br>(3.05) | 90°    | .180<br>(4.57)   | .135<br>(3.43)  | 2-36       | NONE      | BULK 40873-0041        | NO        | 5             |
|   | A-42376-0177 TO -0211 | 42312-0002/0036 | 42663-CXB569 PHOS BRONZE | .750<br>(19.05) | .405<br>(10.29) | .248<br>(6.30) | .120<br>(3.05) | 90°    | .180<br>(4.57)   | .135<br>(3.43)  | 2-36       | NONE      | BULK 40873-0041        | NO        | 6             |

H

|   | COLUMN NO. 1 |              |            | COLUMN NO. 2 |              |            | COLUMN NO. 3 |              |            | COLUMN NO. 4 |              |            | COLUMN NO. 5 |              |            | COLUMN NO. 6 |              |            |
|---|--------------|--------------|------------|--------------|--------------|------------|--------------|--------------|------------|--------------|--------------|------------|--------------|--------------|------------|--------------|--------------|------------|
|   | 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 |
| G | 22-28-6020   | A-42376-0002 | 2          | 22-28-6022   | A-42376-0037 | 2          | 22-28-6024   | A-42376-0072 | 2          | 22-28-6021   | A-42376-0107 | 2          | 22-28-6023   | A-42376-0142 | 2          | 22-28-6025   | A-42376-0177 | 2          |
|   | 22-28-6030   | A-42376-0003 | 3          | 22-28-6032   | A-42376-0038 | 3          | 22-28-6034   | A-42376-0073 | 3          | 22-28-6031   | A-42376-0108 | 3          | 22-28-6033   | A-42376-0143 | 3          | 22-28-6035   | A-42376-0178 | 3          |
|   | 22-28-6040   | A-42376-0004 | 4          | 22-28-6042   | A-42376-0039 | 4          | 22-28-6044   | A-42376-0074 | 4          | 22-28-6041   | A-42376-0109 | 4          | 22-28-6043   | A-42376-0144 | 4          | 22-28-6045   | A-42376-0179 | 4          |
|   | 22-28-6050   | A-42376-0005 | 5          | 22-28-6052   | A-42376-0040 | 5          | 22-28-6054   | A-42376-0075 | 5          | 22-28-6051   | A-42376-0110 | 5          | 22-28-6053   | A-42376-0145 | 5          | 22-28-6055   | A-42376-0180 | 5          |
|   | 22-28-6060   | A-42376-0006 | 6          | 22-28-6062   | A-42376-0041 | 6          | 22-28-6064   | A-42376-0076 | 6          | 22-28-6061   | A-42376-0111 | 6          | 22-28-6063   | A-42376-0146 | 6          | 22-28-6065   | A-42376-0181 | 6          |
|   | 22-28-6070   | A-42376-0007 | 7          | 22-28-6072   | A-42376-0042 | 7          | 22-28-6074   | A-42376-0077 | 7          | 22-28-6071   | A-42376-0112 | 7          | 22-28-6073   | A-42376-0147 | 7          | 22-28-6075   | A-42376-0182 | 7          |
|   | 22-28-6080   | A-42376-0008 | 8          | 22-28-6082   | A-42376-0043 | 8          | 22-28-6084   | A-42376-0078 | 8          | 22-28-6081   | A-42376-0113 | 8          | 22-28-6083   | A-42376-0148 | 8          | 22-28-6085   | A-42376-0183 | 8          |
|   | 22-28-6090   | A-42376-0009 | 9          | 22-28-6092   | A-42376-0044 | 9          | 22-28-6094   | A-42376-0079 | 9          | 22-28-6091   | A-42376-0114 | 9          | 22-28-6093   | A-42376-0149 | 9          | 22-28-6095   | A-42376-0184 | 9          |
| F | 22-28-6100   | A-42376-0010 | 10         | 22-28-6102   | A-42376-0045 | 10         | 22-28-6104   | A-42376-0080 | 10         | 22-28-6101   | A-42376-0115 | 10         | 22-28-6103   | A-42376-0150 | 10         | 22-28-6105   | A-42376-0185 | 10         |
|   | 22-28-6110   | A-42376-0011 | 11         | 22-28-6112   | A-42376-0046 | 11         | 22-28-6114   | A-42376-0081 | 11         | 22-28-6111   | A-42376-0116 | 11         | 22-28-6113   | A-42376-0151 | 11         | 22-28-6115   | A-42376-0186 | 11         |
|   | 22-28-6120   | A-42376-0012 | 12         | 22-28-6122   | A-42376-0047 | 12         | 22-28-6124   | A-42376-0082 | 12         | 22-28-6121   | A-42376-0117 | 12         | 22-28-6123   | A-42376-0152 | 12         | 22-28-6125   | A-42376-0187 | 12         |
|   | 22-28-6130   | A-42376-0013 | 13         | 22-28-6132   | A-42376-0048 | 13         | 22-28-6134   | A-42376-0083 | 13         | 22-28-6131   | A-42376-0118 | 13         | 22-28-6133   | A-42376-0153 | 13         | 22-28-6135   | A-42376-0188 | 13         |
|   | 22-28-6140   | A-42376-0014 | 14         | 22-28-6142   | A-42376-0049 | 14         | 22-28-6144   | A-42376-0084 | 14         | 22-28-6141   | A-42376-0119 | 14         | 22-28-6143   | A-42376-0154 | 14         | 22-28-6145   | A-42376-0189 | 14         |
|   | 22-28-6150   | A-42376-0015 | 15         | 22-28-6152   | A-42376-0050 | 15         | 22-28-6154   | A-42376-0085 | 15         | 22-28-6151   | A-42376-0120 | 15         | 22-28-6153   | A-42376-0155 | 15         | 22-28-6155   | A-42376-0190 | 15         |
| E | 22-28-6160   | A-42376-0016 | 16         | 22-28-6162   | A-42376-0051 | 16         | 22-28-6164   | A-42376-0086 | 16         | 22-28-6161   | A-42376-0121 | 16         | 22-28-6163   | A-42376-0156 | 16         | 22-28-6165   | A-42376-0191 | 16         |
|   | 22-28-6170   | A-42376-0017 | 17         | 22-28-6172   | A-42376-0052 | 17         | 22-28-6174   | A-42376-0087 | 17         | 22-28-6171   | A-42376-0122 | 17         | 22-28-6173   | A-42376-0157 | 17         | 22-28-6175   | A-42376-0192 | 17         |
|   | 22-28-6180   | A-42376-0018 | 18         | 22-28-6182   | A-42376-0053 | 18         | 22-28-6184   | A-42376-0088 | 18         | 22-28-6181   | A-42376-0123 | 18         | 22-28-6183   | A-42376-0158 | 18         | 22-28-6185   | A-42376-0193 | 18         |
|   | 22-28-6190   | A-42376-0019 | 19         | 22-28-6192   | A-42376-0054 | 19         | 22-28-6194   | A-42376-0089 | 19         | 22-28-6191   | A-42376-0124 | 19         | 22-28-6193   | A-42376-0159 | 19         | 22-28-6195   | A-42376-0194 | 19         |
|   | 22-28-6200   | A-42376-0020 | 20         | 22-28-6202   | A-42376-0055 | 20         | 22-28-6204   | A-42376-0090 | 20         | 22-28-6201   | A-42376-0125 | 20         | 22-28-6203   | A-42376-0160 | 20         | 22-28-6205   | A-42376-0195 | 20         |
|   | 22-28-6210   | A-42376-0021 | 21         | 22-28-6212   | A-42376-0056 | 21         | 22-28-6214   | A-42376-0091 | 21         | 22-28-6211   | A-42376-0126 | 21         | 22-28-6213   | A-42376-0161 | 21         | 22-28-6215   | A-42376-0196 | 21         |
| D | 22-28-6220   | A-42376-0022 | 22         | 22-28-6222   | A-42376-0057 | 22         | 22-28-6224   | A-42376-0092 | 22         | 22-28-6221   | A-42376-0127 | 22         | 22-28-6223   | A-42376-0162 | 22         | 22-28-6225   | A-42376-0197 | 22         |
|   | 22-28-6230   | A-42376-0023 | 23         | 22-28-6232   | A-42376-0058 | 23         | 22-28-6234   | A-42376-0093 | 23         | 22-28-6231   | A-42376-0128 | 23         | 22-28-6233   | A-42376-0163 | 23         | 22-28-6235   | A-42376-0198 | 23         |
|   | 22-28-6240   | A-42376-0024 | 24         | 22-28-6242   | A-42376-0059 | 24         | 22-28-6244   | A-42376-0094 | 24         | 22-28-6241   | A-42376-0129 | 24         | 22-28-6243   | A-42376-0164 | 24         | 22-28-6245   | A-42376-0199 | 24         |
|   | 22-28-6250   | A-42376-0025 | 25         | 22-28-6252   | A-42376-0060 | 25         | 22-28-6254   | A-42376-0095 | 25         | 22-28-6251   | A-42376-0130 | 25         | 22-28-6253   | A-42376-0165 | 25         | 22-28-6255   | A-42376-0200 | 25         |
|   | 22-28-6260   | A-42376-0026 | 26         | 22-28-6262   | A-42376-0061 | 26         | 22-28-6264   | A-42376-0096 | 26         | 22-28-6261   | A-42376-0131 | 26         | 22-28-6263   | A-42376-0166 | 26         | 22-28-6265   | A-42376-0201 | 26         |
|   | 22-28-6270   | A-42376-0027 | 27         | 22-28-6272   | A-42376-0062 | 27         | 22-28-6274   | A-42376-0097 | 27         | 22-28-6271   | A-42376-0132 | 27         | 22-28-6273   | A-42376-0167 | 27         | 22-28-6275   | A-42376-0202 | 27         |
|   | 22-28-6280   | A-42376-0028 | 28         | 22-28-6282   | A-42376-0063 | 28         | 22-28-6284   | A-42376-0098 | 28         | 22-28-6281   | A-42376-0133 | 28         | 22-28-6283   | A-42376-0168 | 28         | 22-28-6285   | A-42376-0203 | 28         |
| C | 22-28-6290   | A-42376-0029 | 29         | 22-28-6292   | A-42376-0064 | 29         | 22-28-6294   | A-42376-0099 | 29         | 22-28-6291   | A-42376-0134 | 29         | 22-28-6293   | A-42376-0169 | 29         | 22-28-6295   | A-42376-0204 | 29         |
|   | 22-28-6300   | A-42376-0030 | 30         | 22-28-6302   | A-42376-0065 | 30         | 22-28-6304   | A-42376-0100 | 30         | 22-28-6301   | A-42376-0135 | 30         | 22-28-6303   | A-42376-0170 | 30         | 22-28-6305   | A-42376-0205 | 30         |
|   | 22-28-6310   | A-42376-0031 | 31         | 22-28-6312   | A-42376-0066 | 31         | 22-28-6314   | A-42376-0101 | 31         | 22-28-6311   | A-42376-0136 | 31         | 22-28-6313   | A-42376-0171 | 31         | 22-28-6315   | A-42376-0206 | 31         |
|   | 22-28-6320   | A-42376-0032 | 32         | 22-28-6322   | A-42376-0067 | 32         | 22-28-6324   | A-42376-0102 | 32         | 22-28-6321   | A-42376-0137 | 32         | 22-28-6323   | A-42376-0172 | 32         | 22-28-6325   | A-42376-0207 | 32         |
|   | 22-28-6330   | A-42376-0033 | 33         | 22-28-6332   | A-42376-0068 | 33         | 22-28-6334   | A-42376-0103 | 33         | 22-28-6331   | A-42376-0138 | 33         | 22-28-6333   | A-42376-0173 | 33         | 22-28-6335   | A-42376-0208 | 33         |
|   | 22-28-6340   | A-42376-0034 | 34         | 22-28-6342   | A-42376-0069 | 34         | 22-28-6344   | A-42376-0104 | 34         | 22-28-6341   | A-42376-0139 | 34         | 22-28-6343   | A-42376-0174 | 34         | 22-28-6345   | A-42376-0209 | 34         |
| B | 22-28-6350   | A-42376-0035 | 35         | 22-28-6352   | A-42376-0070 | 35         | 22-28-6354   | A-42376-0105 | 35         | 22-28-6351   | A-42376-0140 | 35         | 22-28-6353   | A-42376-0175 | 35         | 22-28-6355   | A-42376-0210 | 35         |
|   | 22-28-6360   | A-42376-0036 | 36         | 22-28-6362   | A-42376-0071 | 36         | 22-28-6364   | A-42376-0106 | 36         | 22-28-6361   | A-42376-0141 | 36         | 22-28-6363   | A-42376-0176 | 36         | 22-28-6365   | A-42376-0211 | 36         |

STANDARD PRODUCT WITHOUT KINKS

|             |   |             |   |   |   |
|-------------|---|-------------|---|---|---|
| SEE SHEET 1 | C | SEE SHEET 1 | DIMENSIONS SHOWN (METRIC) INCH<br>UNLESS OTHERWISE SPECIFIED<br>TOLERANCES ANGULAR ± 1/2°<br>INCH METRIC<br>3 PLACE ±<br>2 PLACE ±<br>1 PLACE ± | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS<br>DRWG. BY: JUS<br>APP'D. BY: LENZ | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO<br>MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |
| SEE SHEET 1 | A | SEE SHEET 1 |   |   |   |
| SEE SHEET 1 | 5 | SEE SHEET 1 |   |   |   |
| SEE SHEET 1 | 4 | SEE SHEET 1 |   |   |   |
| SEE SHEET 1 | 3 | SEE SHEET 1 |   |   |   |
| SEE SHEET 1 | 2 | SEE SHEET 1 |   |   |   |

|  |  |                                      |  |
|--|--|--------------------------------------|--|
| PART NO. SEE CHART<br>FILE NAME S42376X2 |  | DRWG. NO. SDA-42376<br>DATE 09/12/88 |  |
| LTR. REVISIONS                           |  | LTR. REVISIONS                       |  |

REVISIONS

A

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



Datasheet

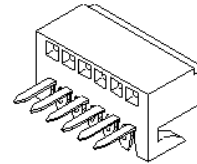
Board-to-Board

2.54mm (.100") KK® Bottom Entry, Receptacle - KK® Right Angle, Flat, Breakaway Header 4455b:42376

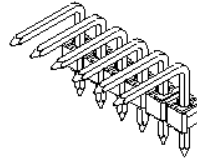
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|                                       |  |
|---------------------------------------|--|
| Status                                | Active   |
| PCB Orientation                       | Right Angle  |
| Pitch / Center Spacing                | 2.54mm (.100")   |
| Circuits / Positions                  | 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25 |
| Mated Height (H)                      | 2.49mm (.098")   |
| Mated Width (W)                       | 2.29mm (.090")   |
| Rows                                  | 1  |
| Polarized to Mating Part              | Yes, No  |
| Lock to Mating Part                   | None   |
| Designed In                           | Inches   |
| Temperature Range                     | 0°C to +75°C   |
| Plating Contact                       | Gold (Au), Tin (Sn)  |
| Durability [cycles]                   | 25   |
| Current-max [amps]                    | 2.5A   |
| Voltage-max [volts]                   | 250V   |
| Contact Resistance [ohms]             | 20 milliohms max.  |
| Withstanding Voltage                  | 1500V  |
| Insulation Resistance [ohms]          | 50,000 Megohms min.  |
| Mating Force-max. (per circuit)       | 2.0N (0.45 lb)   |
| Unmating Force-min. (per circuit)     | 0.6N (0.13 lb)   |
| Receptacle - Orientation              | Bottom Entry   |
| Receptacle - Mounting                 | Through Hole   |
| Receptacle - PCB Thickness            | 1.60mm (.063")   |
| Receptacle - Surface Mount Compatible | No   |
| Receptacle - Polarized to PCB         | No   |
| Receptacle - PCB Retention            | *  |
| Receptacle - Stagger Tails            | No   |
| Receptacle - Product Specification    | PS-10-07   |
| Receptacle - Packaging                | Tray   |
| Receptacle - UL File No.              | E29179   |
| Receptacle - CSA File No.             | LR19980  |
| Receptacle - Housing Material         | Nylon  |
| Receptacle - Flammability             | UL 94V-0   |
| Receptacle - Contact                  | Brass  |
| Header - Orientation                  | Right Angle  |
| Header - Mounting                     | Through Hole   |
| Header - PCB Thickness                | 1.60mm (.063")   |
| Header - Surface Mount Compatible     | Yes  |
| Header - Polarized to PCB             | No   |
| Header - PCB Retention                | None   |
| Header - Stagger Tails                | No   |
| Shrouded                              | No   |
| Breakaway                             | Yes  |
| Pin Header                            | Yes  |
| Pin Size                              | 0.64mm (.025") Square  |
| Header - Product Specification        | PS-10-07   |
| Header - Packaging                    | Bag  |



Female Receptacle 4455b



Male Header 42376

**Features and Benefits**

**Receptacle:**

- Sizes 2 to 25 circuits
- End-to-end stackable
- Mating header must be long enough to accommodate board thickness
- See 42625 Series for high temperature version

**Header:**

- Sizes 2 to 36 circuits
- Surface mount compatible
- Available with kinked PC tails
- .361 and .405" standard mating lengths
- Tin and 15 or 30µ" Gold plating
- Voids optional

|  |  |
|--|--|
| <a href="#">Header - UL File No.</a>         | E29179                                     |
| <a href="#">Header - CSA File No.</a>        | LR19980                                    |
| <a href="#">Header - Housing Material</a>    | <b>Polyester, Glass-filled</b>             |
| Header - Color                               | <b>Black</b>                               |
| <a href="#">Header - Flammability</a>        | UL 94V-0                                   |
| <a href="#">Header - Contact</a>             | <b>Phosphor Bronze</b>                     |
| <a href="#">Application Tooling</a>          | <b>Cutting Tools for Breakaway Headers</b> |
| <a href="#">Product Name</a>                 | KK®  |
| <a href="#">Molex Series</a>                 | 4455b, 42376                               |
| <a href="#">Marketing Series and Version</a> | 4455, 42376                                |

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