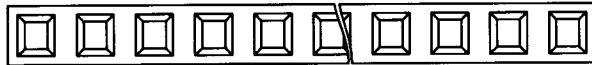
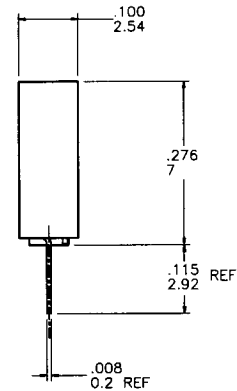
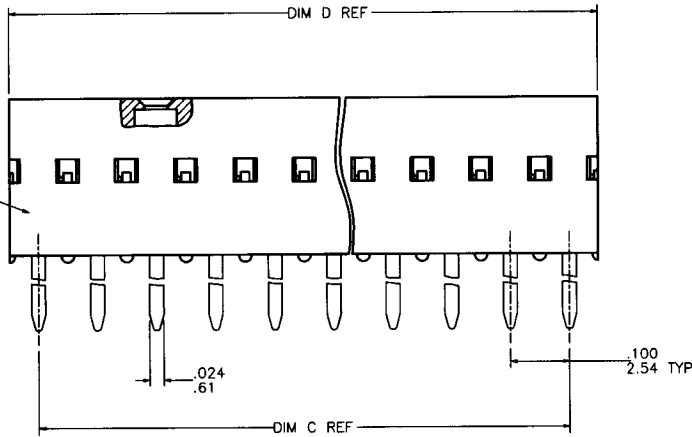


PRODUCT NUMBER

SEE TABLE



NOTE 4 & 5



| REVISIONS | | | | SHEET INDEX | ISSUE SH NO. | L 1 | L 2 | H 3 | MATERIAL | FINISH | DATE | CUSTOMER COPY |
|-----------|-----------|-----|---------|-------------|--------------|-----|-----|-----|----------|--------|------|---------------|
| REV | ECN/DDR# | BY | DATE | | | | | | | | | |
| F | V31005 | RHG | 8/3/93 | | | | | | | | | |
| G | EC-V40201 | MSC | 2/9/94 | | | | | | | | | |
| H | V40364 | MSC | 3/28/94 | | | | | | | | | |
| J | V50510 | MRC | 6/23/95 | | | | | | | | | |
| K | V61794 | EPK | 2/12/98 | | | | | | | | | |
| L | V91258 | EPK | 8/4/99 | | | | | | | | | |

| TOLERANCES UNLESS OTHERWISE SPECIFIED | PRODUCT FAMILY | UNIT |
|---------------------------------------|----------------|------|
| LINEAR: .000±.005 / .00±.13 | DUBOX | INCH |
| ANGLES: 0±Z | | MIL |

BERG ELECTRONICS

TITLE: DUBOX SINGLE ROW VERT. CARD CONNECTOR ASS'Y

SCALE: 10/1 D

SIZE: 68685

OWG. NO. 68685

SHEET 1 OF 3

| PRODUCT NUMBER | PLATING CONTACT AREA MIN | PLATING SOLDER TAIL | MARKING DATA |
|----------------|----------------------------------|---------------------|---------------|
| 68685-2XX | 15u"/.38u Au OVER 50u"/1.27u NI | 100u"/2.54u TL | NOTE 4 |
| 68685-3XX | 30u"/.76u Au OVER 50u"/1.27u NI | 100u"/2.54u TL | NOTE 4 |
| 68685-4XX | 200u"/5.08u TL | 200u"/5.08u TL | NOTE 4 |
| 68685-5XX | 50u"/1.27u Au OVER 50u"/1.27u NI | 100u"/2.54u TL | NOTE 4 |
| 68685-6XX | 30u"/.76u Au OVER 50u"/1.27u NI | 200u"/5.08u TL | NOTE 4 |
| 68685-8XX | 30u"/.76u Au OVER 50u"/1.27u NI | 200u"/5.08u TL | NOTE 5 MII |

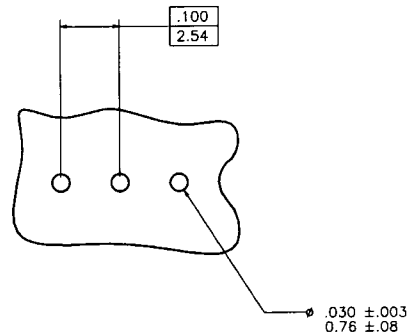


FIGURE A

NOTES:

- ① MATERIAL HOUSING: PPS, COLOR - BLACK, FLAME RETARDANT PER UL-94V-0. COMPATIBLE WITH WAVE, VAPOR PHASE OR INFRARED SOLDERING.
- 2 MATERIAL TERMINAL: PHOSPHOR BRONZE.
- 3 RECOMMENDED APPLICATION DATA:
 - A. RECOMMENDED HOLE PATTERN IS SHOWN IN FIGURE A.
 - B. ALL MATING PINS TO BE .025/.64 SQUARE ON TRUE CENTER OF GIVEN TERMINAL SPACINGS WITHIN .015/.38 DIA
 - C. SUGGESTED MATING PIN LENGTH .210±.020/5.33±.51
 - D. TERMINALS CAN ONLY BE USED FOR PC BOARD WITH NON PLATED THROUGH HOLES.
 - E. RECOMMENDED PC BOARD THICKNESS: .062/1.58
- ④ PRODUCT DASH NUMBERS WITH FIRST DIGIT BEING 2,3,4 OR 6 TO BE MARKED "BERG", BERG FINAL PART NUMBER, AND DATE CODE IN CONTRASTING COLORS ON HOUSING. PARTS 1X8 OR LESS SHOULD HAVE THIS INFORMATION ON TUBE LABEL INSTEAD OF THE HOUSING.
- ⑤ PRODUCT DASH NUMBERS WITH FIRST DIGIT BEING 8 TO BE MARKED "BERG", CAGE 22526, DESC WWWW-WW (NO. TO BE ASSIGNED), AND DATE. PARTS 1X8 OR LESS MAY HAVE THIS INFORMATION ON TUBE LABEL INSTEAD OF THE HOUSING.
6. PREPLATED STAMPED TERMINALS.

| REVISIONS | | | | SHEET INDEX | ISSUE | MAY | DR | DATE | CUSTOMER COPY | TITLE | SCALE | SIZE | DWG. NO. | SHEET |
|-----------|----------|----|------|---------------------------------------|---------------------|----------------|--------|---------|---------------|---|-------|------|----------|-------|
| REV | ECN/DDR# | BY | DATE | | | | | | | | | | | |
| L | | | | | | | S.RAMP | 2/25/91 | | DUBOX SINGLE ROW VERT. CARD CONNECTOR ASS'Y | 10/1 | D | 68685 | 2 OF |
| | | | | TOLERANCES UNLESS OTHERWISE SPECIFIED | FINISH | ENGR | M.HAHN | 2/25/91 | | | | | | |
| | | | | LINEAR | .000±.005 / .00±.13 | PRODUCT FAMILY | CHK | M.HAHN | 2/25/91 | THIRD ANGLE PROJ | | | | |
| | | | | ANGLES | 0±7 | DUBOX | APPD | M.HAHN | 2/25/91 | UNIT INCH MM | | | | |

| PRODUCT NUMBER | NO. OF POSITION | DIM C | DIM D | DESC PRODUCT NUMBER ON -BXX SERIES ONLY | HOUSING MATERIAL | NOTE 1 | PRODUCT NO | NO. OF POSITION | DIM C | DIM D | DESC PRODUCT NUMBER ON -BXX SERIES ONLY | HOUSING MATERIAL | NOTE 1 |
|----------------|-----------------|-------------|-------------|---|------------------|--------|------------|-----------------|--------------|--------------|---|------------------|--------|
| | | | | | | | | | | | | | |
| -Y03 | 1 X 3 | .200/5.08 | .317/8.05 | WWWWW-03 | | | -Y37 | 1 X 37 | 3.600/91.44 | 3.717/94.41 | WWWWW-37 | | |
| -Y04 | 1 X 4 | .300/7.62 | .417/10.59 | WWWWW-04 | | | -Y38 | 1 X 38 | 3.700/93.98 | 3.817/96.95 | WWWWW-38 | | |
| -Y05 | 1 X 5 | .400/10.16 | .517/13.13 | WWWWW-05 | | | -Y39 | 1 X 39 | 3.800/96.52 | 3.917/99.49 | WWWWW-39 | | |
| -Y06 | 1 X 6 | .500/12.70 | .617/15.67 | WWWWW-06 | | | -Y40 | 1 X 40 | 3.900/99.06 | 4.017/102.03 | WWWWW-40 | | |
| -Y07 | 1 X 7 | .600/15.24 | .717/18.21 | WWWWW-07 | | | -Y41 | 1 X 41 | 4.000/101.60 | 4.117/104.57 | WWWWW-41 | | |
| -Y08 | 1 X 8 | .700/17.78 | .817/20.75 | WWWWW-08 | | | -Y42 | 1 X 42 | 4.100/104.14 | 4.217/107.11 | WWWWW-42 | | |
| -Y09 | 1 X 9 | .800/20.32 | .917/23.29 | WWWWW-09 | | | -Y43 | 1 X 43 | 4.200/106.68 | 4.317/109.65 | WWWWW-43 | | |
| -Y10 | 1 X 10 | .900/22.86 | 1.017/25.83 | WWWWW-10 | | | -Y44 | 1 X 44 | 4.300/109.22 | 4.417/112.19 | WWWWW-44 | | |
| -Y11 | 1 X 11 | 1.000/25.40 | 1.117/28.37 | WWWWW-11 | | | -Y45 | 1 X 45 | 4.400/111.76 | 4.517/114.73 | WWWWW-45 | | |
| -Y12 | 1 X 12 | 1.100/27.94 | 1.217/30.91 | WWWWW-12 | | | -Y46 | 1 X 46 | 4.500/114.30 | 4.617/117.27 | WWWWW-46 | | |
| -Y13 | 1 X 13 | 1.200/30.48 | 1.317/33.45 | WWWWW-13 | | | -Y47 | 1 X 47 | 4.600/116.84 | 4.717/119.81 | WWWWW-47 | | |
| -Y14 | 1 X 14 | 1.300/33.02 | 1.417/35.99 | WWWWW-14 | | | -Y48 | 1 X 48 | 4.700/119.38 | 4.817/122.35 | WWWWW-48 | | |
| -Y15 | 1 X 15 | 1.400/35.56 | 1.517/38.53 | WWWWW-15 | | | -Y49 | 1 X 49 | 4.800/121.92 | 4.917/124.89 | WWWWW-49 | | |
| -Y16 | 1 X 16 | 1.500/38.10 | 1.617/41.07 | WWWWW-16 | | | 68685-Y50 | 1 X 50 | 4.900/124.46 | 5.017/127.43 | WWWWW-50 | | NOTE 1 |
| -Y17 | 1 X 17 | 1.600/40.64 | 1.717/43.61 | WWWWW-17 | | | | | | | | | |
| -Y18 | 1 X 18 | 1.700/43.18 | 1.817/46.15 | WWWWW-18 | | | | | | | | | |
| -Y19 | 1 X 19 | 1.800/45.72 | 1.917/48.69 | WWWWW-19 | | | | | | | | | |
| -Y20 | 1 X 20 | 1.900/48.26 | 2.017/51.23 | WWWWW-20 | | | | | | | | | |
| -Y21 | 1 X 21 | 2.000/50.80 | 2.117/53.77 | WWWWW-21 | | | | | | | | | |
| -Y22 | 1 X 22 | 2.100/53.34 | 2.217/56.31 | WWWWW-22 | | | | | | | | | |
| -Y23 | 1 X 23 | 2.200/55.88 | 2.317/58.85 | WWWWW-23 | | | | | | | | | |
| -Y24 | 1 X 24 | 2.300/58.42 | 2.417/61.39 | WWWWW-24 | | | | | | | | | |
| -Y25 | 1 X 25 | 2.400/60.96 | 2.517/63.93 | WWWWW-25 | | | | | | | | | |
| -Y26 | 1 X 26 | 2.500/63.50 | 2.617/66.47 | WWWWW-26 | | | | | | | | | |
| -Y27 | 1 X 27 | 2.600/66.04 | 2.717/69.01 | WWWWW-27 | | | | | | | | | |
| -Y28 | 1 X 28 | 2.700/68.58 | 2.817/71.55 | WWWWW-28 | | | | | | | | | |
| -Y29 | 1 X 29 | 2.800/71.12 | 2.917/74.09 | WWWWW-29 | | | | | | | | | |
| -Y30 | 1 X 30 | 2.900/73.66 | 3.017/76.63 | WWWWW-30 | | | | | | | | | |
| -Y31 | 1 X 31 | 3.000/76.20 | 3.117/79.17 | WWWWW-31 | | | | | | | | | |
| -Y32 | 1 X 32 | 3.100/78.74 | 3.217/81.71 | WWWWW-32 | | | | | | | | | |
| -Y33 | 1 X 33 | 3.200/81.28 | 3.317/84.25 | WWWWW-33 | | | | | | | | | |
| -Y34 | 1 X 34 | 3.300/83.82 | 3.417/86.79 | WWWWW-34 | | | | | | | | | |
| 68685-Y35 | 1 X 35 | 3.400/86.36 | 3.517/89.33 | WWWWW-35 | | NOTE 1 | | | | | | | |

| REVISIONS | | | | SHEET INDEX | ISSUE | | DATE | | CUSTOMER COPY |
|-----------|----------|----|------|-------------|---------------------------------------|--|------|---------|---------------|
| REV | ECN/DDR# | BY | DATE | | SH NO. | | | | |
| H | | | | | | | | 2/25/91 | |
| | | | | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | MAY | S.RAMP | 2/25/91 |
| | | | | | FINISH | | ENGR | M.HAHN | 2/25/91 |
| | | | | | LINEAR | | PROJ | M.HAHN | 2/25/91 |
| | | | | | ANGLES | | APPD | M.HAHN | 2/25/91 |

BERG ELECTRONICS

DUBOX SINGLE ROW VERT. CARD CONNECTOR ASS'Y

SCALE: 10/1 D DWG NO: 68685 SHEET 3 OF 3

UNIT: INCH

FORM E-3067 REV 8/93

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