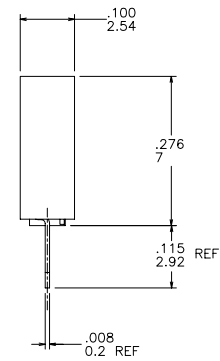
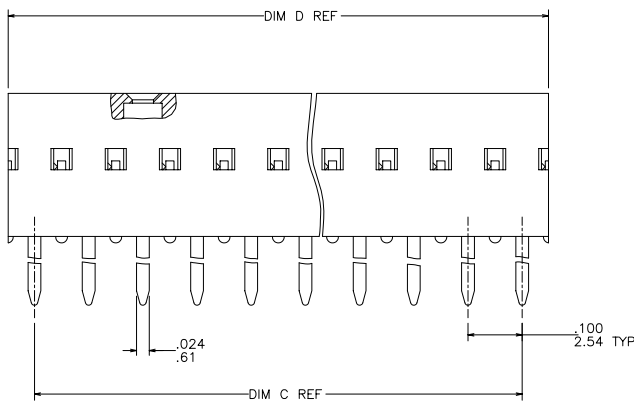
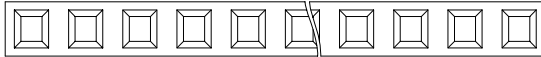


PRODUCT NO.

SEE TABLE

68685 - XXX LF

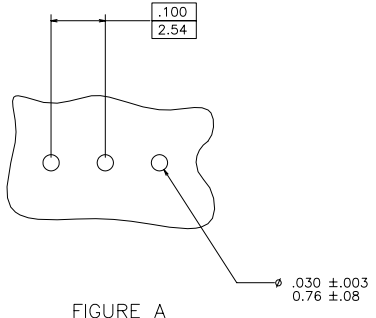
LEAD FREE OPTION
 PACKAGING OPTIONS OMIT IF NOT REQUIRED.
 NO. OF POSITIONS PER ROW
 PLATING CODE
 BASE PART NUMBER



| | | | | | | | | | |
|-------------|----------|-----------|----------|-----------|---------|---------------------------------------|--|-----------------------------------|--|
| mat'l. code | | surface | | tolerance | | projection | | product family | |
| | | ISO 1302 | | ISO 406 | | ISO 1101 | | DUBOX | |
| itr | | ecn no dr | | date | | tolerances unless otherwise specified | | title | |
| N | V11678 | GP | 01/22/02 | | | .xx ±01/3 | | DUBOX SING. ROW VERT. | |
| P | V03-0309 | HTB | 04/30/03 | angles | linear | .xxx ±.005/13 | | CARD CONN. ASSEMBLY | |
| R | V04-0002 | HTB | 01/06/04 | 0°±2' | | .xxxx ±.0020/.051 | | scale 4:1 | |
| S | V05-0463 | DPU | 06/27/05 | dr | S. RAMP | 02/25/91 | | FCJ | |
| T | M06-0237 | MN | 06/19/06 | engr | M. HAHN | 02/25/91 | | dwg no 68685 sheet 1 of 3 size A3 | |
| U | M06-0433 | AGS | 10/31/06 | chr | M. HAHN | 02/25/91 | | type Product Customer Drawing | |
| V | M07-0203 | MHT | 5/01/07 | appd | M. HAHN | 02/25/91 | | | |
| sheet | revision | V | V | V | V | | | | |
| index | sheet | 1 | 2 | 3 | | | | | |

PDM: Rev:V STATUS:Released Printed: Dec 01, 2010

| PRODUCT NO NOTE 8 | PLATING CONTACT AREA MIN | PLATING SOLDER TAIL | |
|----------------------|----------------------------------|-------------------------------|-------------|
| 68685-2XX | 15u"/.38u Au OVER 50u"/1.27u NI | 100u"/160u" 2.54u/4.06u SN | SEE NOTE 11 |
| 68685-3XX | 30u"/.76u Au OVER 50u"/1.27u NI | 100u"/160u" 2.54u/4.06u SN | SEE NOTE 11 |
| 68685-4XX | 100u"/160u" 2.54u/4.06u SN | 100u"/160u" 2.54u/4.06u SN | |
| 68685-5XX | 50u"/1.27u Au OVER 50u"/1.27u NI | 100u"/160u" 2.54u/4.06u SN | OBSOLETE |
| 68685-6XX | 30u"/.76u Au OVER 50u"/1.27u NI | 100u"/160u" 2.54u/4.06u SN | |
| 68685-8XX | 30u"/.76u Au OVER 50u"/1.27u NI | 100u"/160u" 2.54u/4.06u SN | OBSOLETE |



- NOTES:
- ① MATERIAL HOUSING: PPS, COLOR - BLACK, FLAME RETARDANT PER UL-94V-0. THIS PART WILL WITHSTAND EXPOSURES TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.
 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. RECOMMENDED PC BOARD THICKNESS: .062/1.58
 4. FCI, FCI FINAL PART NUMBER AND DATE CODE TO BE MARKED ON TUBE LABEL.
 5. PREPLATED STAMPED TERMINALS.
 6. STANDARD TUBE PACKAGE PER BUS-14-097/3.
 - ⑦ PART NUMBER WITH SUFFIX "U" FOR SAWING ONLY.
 - ⑧ ADD LF SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
 9. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
 10. THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENT'S".
 - ⑪ PLATING OPTIONS:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

| | | | | | |
|-------------|----------|---------|-------------------|------------|--|
| mat'l. code | | surface | tolerance | projection | product family |
| ISO 1302 | | ISO 406 | ISO 1101 | ⊕ | DUBOX |
| ltr | ecn | no | dr | date | title |
| v | | | | | DUBOX SING. ROW VERT. CARD CONN. ASSEMBLY |
| | | angles | linear | INCH/MM | scale 4:1 |
| | | 0°±2' | .xx ±.01/3 | | |
| | | dr | .xxx ±.005/13 | | |
| | | enrg | .xxxx ±.0020/.051 | | |
| | | chr | | | |
| | | appd | | | |
| | | dr | S. RAMP | 02/25/91 | |
| | | enrg | M. HAHN | 02/25/91 | |
| | | chr | M. HAHN | 02/25/91 | |
| | | appd | M. HAHN | 02/25/91 | |
| sheet | revision | | | | |
| index | sheet | | | | |

| PRODUCT NUMBER | NO. OF POSITION | DIM C | DIM D | LF OPTION | PRODUCT NO | NO. OF POSITION | DIM C | DIM D | LF OPTION |
|----------------|-----------------|-------------|-------------|-----------|------------|-----------------|--------------|--------------|-----------|
| 68685-Y02 | 1 X 2 | .100/2.54 | .217/5.51 | | 68685-Y36 | 1 X 36 | 3.500/88.90 | 3.617/91.87 | |
| -Y03 | 1 X 3 | .200/5.08 | .317/8.05 | | -Y37 | 1 X 37 | 3.600/91.44 | 3.717/94.41 | |
| -Y04 | 1 X 4 | .300/7.62 | .417/10.59 | | -Y38 | 1 X 38 | 3.700/93.98 | 3.817/96.95 | |
| -Y05 | 1 X 5 | .400/10.16 | .517/13.13 | | -Y39 | 1 X 39 | 3.800/96.52 | 3.917/99.49 | |
| -Y06 | 1 X 6 | .500/12.70 | .617/15.67 | | -Y40 | 1 X 40 | 3.900/99.06 | 4.017/102.03 | |
| -Y07 | 1 X 7 | .600/15.24 | .717/18.21 | | -Y41 | 1 X 41 | 4.000/101.60 | 4.117/104.57 | |
| -Y08 | 1 X 8 | .700/17.78 | .817/20.75 | | -Y42 | 1 X 42 | 4.100/104.14 | 4.217/107.11 | |
| -Y09 | 1 X 9 | .800/20.32 | .917/23.29 | | -Y43 | 1 X 43 | 4.200/106.68 | 4.317/109.65 | |
| -Y10 | 1 X 10 | .900/22.86 | 1.017/25.83 | | -Y44 | 1 X 44 | 4.300/109.22 | 4.417/112.19 | |
| -Y11 | 1 X 11 | 1.000/25.40 | 1.117/28.37 | | -Y45 | 1 X 45 | 4.400/111.76 | 4.517/114.73 | |
| -Y12 | 1 X 12 | 1.100/27.94 | 1.217/30.91 | | -Y46 | 1 X 46 | 4.500/114.30 | 4.617/117.27 | |
| -Y13 | 1 X 13 | 1.200/30.48 | 1.317/33.45 | | -Y47 | 1 X 47 | 4.600/116.84 | 4.717/119.81 | |
| -Y14 | 1 X 14 | 1.300/33.02 | 1.417/35.99 | | -Y48 | 1 X 48 | 4.700/119.38 | 4.817/122.35 | |
| -Y15 | 1 X 15 | 1.400/35.56 | 1.517/38.53 | | -Y49 | 1 X 49 | 4.800/121.92 | 4.917/124.89 | |
| -Y16 | 1 X 16 | 1.500/38.10 | 1.617/41.07 | | 68685-Y50 | 1 X 50 | 4.900/124.46 | 5.017/127.43 | |
| -Y17 | 1 X 17 | 1.600/40.64 | 1.717/43.61 | | 68685-Y50U | 1 X 50 | 4.900/124.46 | 5.017/127.43 | |
| -Y18 | 1 X 18 | 1.700/43.18 | 1.817/46.15 | | | | | | |
| -Y19 | 1 X 19 | 1.800/45.72 | 1.917/48.69 | | | | | | |
| -Y20 | 1 X 20 | 1.900/48.26 | 2.017/51.23 | | | | | | |
| -Y21 | 1 X 21 | 2.000/50.80 | 2.117/53.77 | | | | | | |
| -Y22 | 1 X 22 | 2.100/53.34 | 2.217/56.31 | | | | | | |
| -Y23 | 1 X 23 | 2.200/55.88 | 2.317/58.85 | | | | | | |
| -Y24 | 1 X 24 | 2.300/58.42 | 2.417/61.39 | | | | | | |
| -Y25 | 1 X 25 | 2.400/60.96 | 2.517/63.93 | | | | | | |
| -Y26 | 1 X 26 | 2.500/63.50 | 2.617/66.47 | | | | | | |
| -Y27 | 1 X 27 | 2.600/66.04 | 2.717/69.01 | | | | | | |
| -Y28 | 1 X 28 | 2.700/68.58 | 2.817/71.55 | | | | | | |
| -Y29 | 1 X 29 | 2.800/71.12 | 2.917/74.09 | | | | | | |
| -Y30 | 1 X 30 | 2.900/73.66 | 3.017/76.63 | | | | | | |
| -Y31 | 1 X 31 | 3.000/76.20 | 3.117/79.17 | | | | | | |
| -Y32 | 1 X 32 | 3.100/78.74 | 3.217/81.71 | | | | | | |
| -Y33 | 1 X 33 | 3.200/81.28 | 3.317/84.25 | | | | | | |
| -Y34 | 1 X 34 | 3.300/83.82 | 3.417/86.79 | | | | | | |
| 68685-Y35 | 1 X 35 | 3.400/86.36 | 3.517/89.33 | | | | | | |

NOTE 8

NOTE 8

NOTE 7

| | | | | |
|---------------------------------------|---------------------|----------------------------------|------------|--|
| mat'l. code | surface ISO 1302 | tolerance ISO 406 ISO 1101 | projection | product family DUBOX |
| ltr | ecn | no | dr | date |
| V | | | | |
| tolerances unless otherwise specified | | linear | INCH/MM | title |
| angles | 0°±2' | linear | scale 4:1 | DUBOX SING. ROW VERT. CARD CONN. ASSEMBLY |
| dr | S. RAMP | 0.01/3 | | dwg no |
| enrg | M. HAHN | 0.005/13 | | 68685 |
| chr | M. HAHN | 0.0020/051 | | sheet 3 of 3 |
| appd | M. HAHN | 02/25/91 | | size |
| | | | | A3 |
| sheet | revision | | | type |
| index | sheet | | | Product Customer Drawing |