



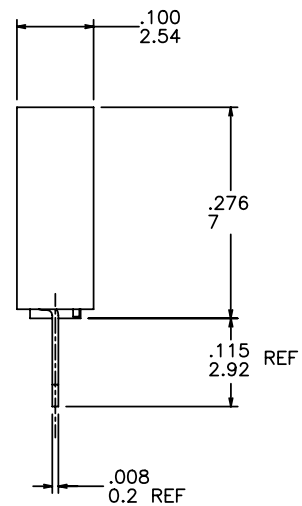
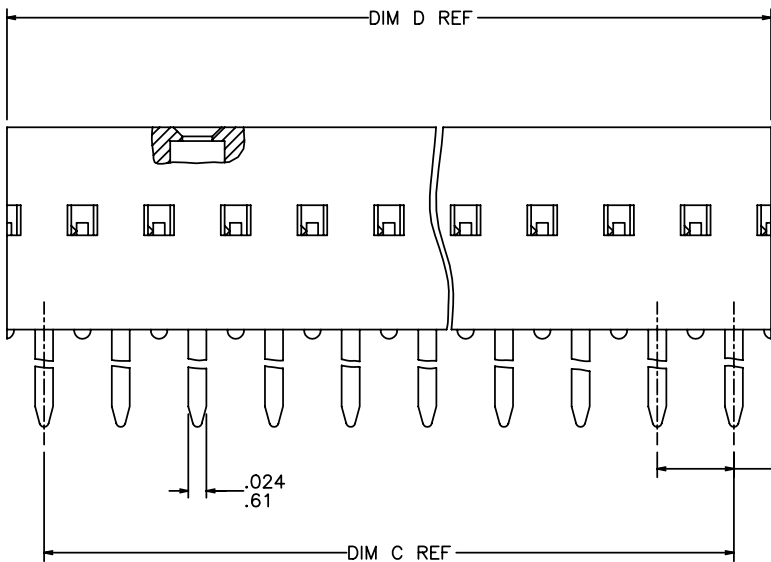
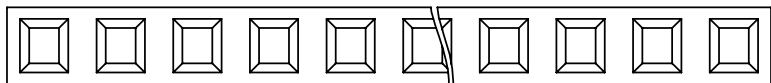
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PRODUCT NO.  
SEE TABLE

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<br>ISO 1101 |          |                   |                               | DUBOX          |        |                                              |              |      |
| ltr ecn nodr |          | date     |           | tolerances unless otherwise specified |         |                     |          |                   |                               | title          |        |                                              |              |      |
| W            | N-005262 | SH       | 2011-8-22 | angles                                |         | linear              |          | .XX ±.01/.3       |                               | INCH/MM        |        | DUBOX SING. ROW VERT.<br>CARD CONN. ASSEMBLY |              |      |
| P            | V03-0309 | HTB      | 04/30/03  |                                       |         |                     |          | .XXX ±.005/.13    |                               |                |        |                                              |              |      |
| 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 |                   |                               |                | dwg no |                                              | sheet 1 of 3 | size |
| T            | M06-0237 | MN       | 06/19/06  | engr                                  | M. HAHN |                     | 02/25/91 |                   |                               |                | 68685  |                                              | A3           |      |
| U            | M06-0433 | AGS      | 10/31/06  | chr                                   | M. HAHN |                     | 02/25/91 |                   |                               |                |        |                                              |              |      |
| V            | M07-0203 | MHT      | 5/01/07   | appd                                  | M. HAHN |                     | 02/25/91 |                   |                               |                |        |                                              |              |      |
| sheet        |          | revision |           | W                                     | W       |                     | W        |                   | type Product Customer Drawing |                |        |                                              |              |      |
| index        |          | sheet    |           | 1                                     | 2       | 3                   |          |                   |                               |                |        |                                              |              |      |

| PRODUCT NO<br>NOTE 8 | PLATING CONTACT AREA MIN                | PLATING<br>SOLDER TAIL        |
|----------------------|-----------------------------------------|-------------------------------|
| 68685-2XX            | 15u"/.38u Au OR GXT, OVER 50u"/1.27uNI  | 100u"/160u"<br>2.54u/4.06u SN |
| 68685-3XX            | 30u"/.76u Au OR GXT, OVER 50u"/1.27u NI | 100u"/160u"<br>2.54u/4.06u SN |
| 68685-4XX            | 100u"/160u"<br>2.54u/4.06u SN           | 100u"/160u"<br>2.54u/4.06u SN |
| 68685-5XX            | 50u"/1.27u Au OVER 50u"/1.27u NI        | 100u"/160u"<br>2.54u/4.06u SN |
| 68685-6XX            | 30u"/.76u Au OR GXT, OVER 50u"/1.27u NI | 100u"/160u"<br>2.54u/4.06u SN |
| 68685-8XX            | 30u"/.76u Au OVER 50u"/1.27u NI         | 100u"/160u"<br>2.54u/4.06u SN |

OBSOLETE

OBSOLETE

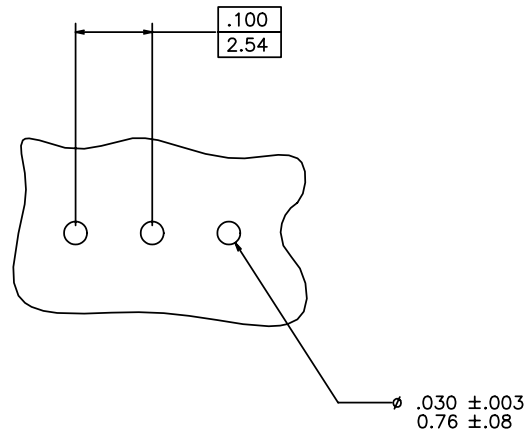


FIGURE A

## NOTES:

- 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.
- MATERIAL TERMINAL: PHOSPHOR BRONZE.
- RECOMMENDED APPLICATION DATA:
  - RECOMMENDED HOLE PATTERN IS SHOWN IN FIGURE A.
  - ALL MATING PINS TO BE .025/.64 SQUARE ON TRUE CENTER OF GIVEN TERMINAL SPACINGS WITHIN .015/.38 DIA
  - SUGGESTED MATING PIN LENGTH .210±.020/5.33±.51
  - RECOMMENDED PC BOARD THICKNESS: .062/1.58
- FCI, FCI FINAL PART NUMBER AND DATE CODE TO BE MARKED ON TUBE LABEL.
- PREPLATED STAMPED TERMINALS.
- STANDARD TUBE PACKAGE PER BUS-14-097/3.
- PART NUMBER WITH SUFFIX "U" FOR SAWING ONLY.
- ADD LF SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENT.

|                   |  |                                       |         |                                  |  |                        |  |                                              |  |
|-------------------|--|---------------------------------------|---------|----------------------------------|--|------------------------|--|----------------------------------------------|--|
| mat'l. code       |  | surface<br>ISO 1302 ✓                 |         | tolerance<br>ISO 406<br>ISO 1101 |  | projection<br>ISO 1101 |  | product family<br>DUBOX                      |  |
| ltr ecn nodr date |  | tolerances unless otherwise specified |         | title                            |  | INCH/MM                |  | DUBOX SING. ROW VERT.<br>CARD CONN. ASSEMBLY |  |
| W                 |  | angles                                | line    | .XX ±.01/3                       |  | scale 4:1              |  | dwg no                                       |  |
|                   |  | 0°±2'                                 |         | .XXX ±.005/.13                   |  |                        |  | sheet 2 of 3                                 |  |
|                   |  |                                       |         | .XXXX ±.0020/.051                |  |                        |  | size                                         |  |
|                   |  | dr                                    | S. RAMP | 02/25/91                         |  |                        |  | 68685                                        |  |
|                   |  | enr                                   | M. HAHN | 02/25/91                         |  |                        |  | A3                                           |  |
|                   |  | chr                                   | M. HAHN | 02/25/91                         |  |                        |  |                                              |  |
|                   |  | appd                                  | M. HAHN | 02/25/91                         |  |                        |  |                                              |  |
| sheet             |  | revision                              |         |                                  |  |                        |  |                                              |  |
| index             |  | sheet                                 |         |                                  |  |                        |  |                                              |  |

