

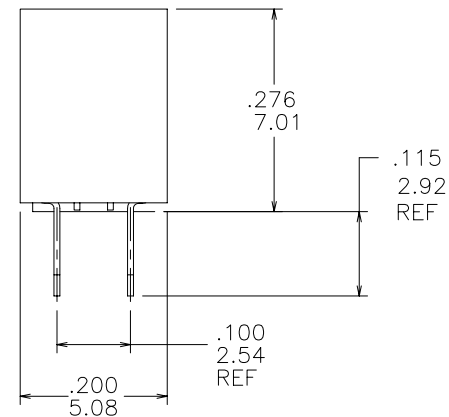
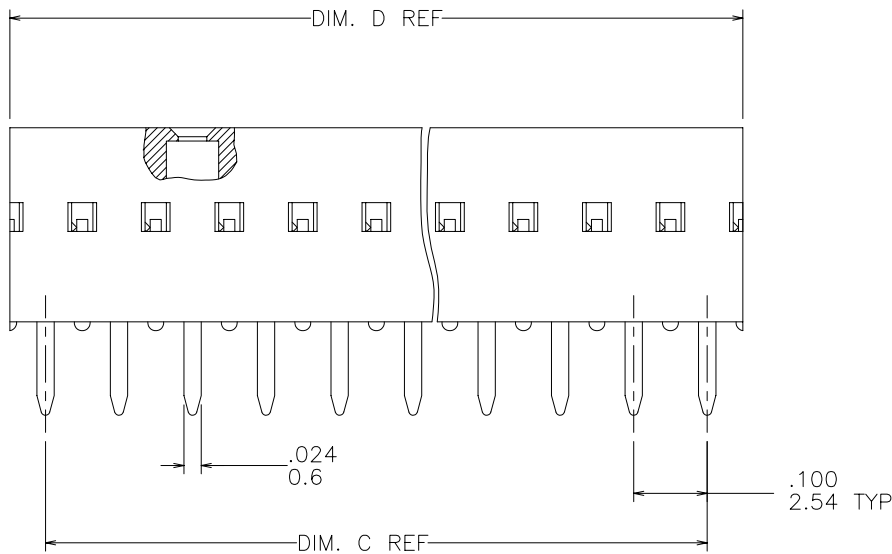
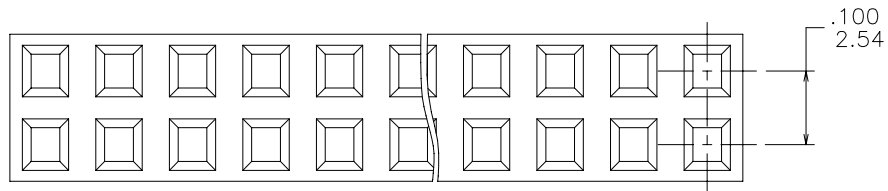


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PRODUCT NO.  
SEE TABLE

68683 - 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         | ecp no   | dr  | date     | tolerances unless otherwise specified |                                     | INCH/MM<br>scale 4:1<br> | title                    |
| K           | V10122   | GIP | 01/08/02 | angles                                | linear                              |                          | DUBOX DBL. ROW VERT.     |
| L           | V11677   | GIP | 01/22/02 |                                       | .XX ±.01/.3                         |                          | CARD CONNECTOR ASS'Y.    |
| M           | V03-0309 | HTB | 04/29/03 | 0°±2'                                 | .XXX ±.005/.13<br>.XXXX ±.0020/.051 |                          |                          |
| N           | V05-0463 | DPU | 06/28/05 | dr                                    | J. SHREINER                         | 02/05/91                 | dwg no                   |
| P           | M06-0237 | MN  | 06/19/06 | enr                                   | M. HAHN                             | 02/05/91                 | sheet 1 of 4 size        |
| R           | M06-0433 | AGS | 10/31/06 | chr                                   | M. HAHN                             | 02/05/91                 | 68683 A3                 |
| S           | M07-0203 | MHT | 5/01/07  | appd                                  | M. HAHN                             | 02/05/91                 | type                     |
| sheet       | revision | S   | S        | S                                     | S                                   | S                        | Product Customer Drawing |
| index       | sheet    | 1   | 2        | 3                                     | 4                                   |                          |                          |

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| PRODUCT NO<br>NOTE 8 | PLATING CONTACT AREA                    | PLATING SOLDER TAIL           |             |
|----------------------|-----------------------------------------|-------------------------------|-------------|
| 68683-2XX            | 15u"/.38u Au MIN OVER 50u"/1.27u Ni MIN | 100μ"/160μ" SN<br>2.54μ/4.06μ | SEE NOTE 11 |
| 68683-3XX            | 30u"/.76u Au MIN OVER 50u"/1.27u Ni MIN | 100μ"/160μ" SN<br>2.54μ/4.06μ | SEE NOTE 11 |
| 68683-4XX            | 100μ"/160μ" SN<br>2.54μ/4.06μ           | 100μ"/160μ" SN<br>2.54μ/4.06μ |             |
| 68683-6XX            | 30u"/.76u Au MIN OVER 50u"/1.27u Ni MIN | 100μ"/160μ" SN<br>2.54μ/4.06μ | SEE NOTE 11 |
| 68683-8XX            | 30u"/.76u Au MIN OVER 50u"/1.27u Ni MIN | 100μ"/160μ" SN<br>2.54μ/4.06μ | OBSOLETE    |

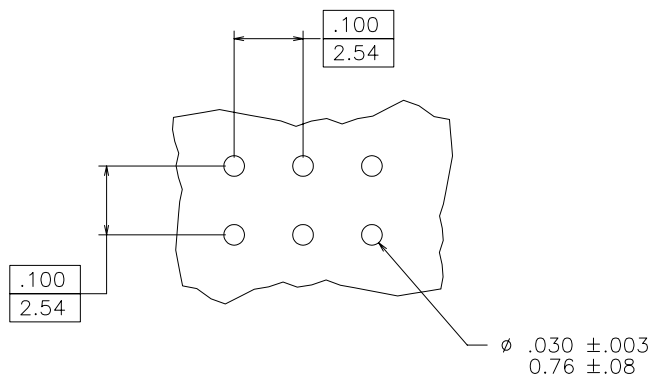


FIGURE A

NOTES:

- 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
- MATERIAL HOUSING P.P.S. FILLED, 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.
- FCI, FCI FINAL PART NUMBER AND DATE CODE TO BE MARKED ON TUBE LABEL.
- PREPLATED, STAMPED TERMINALS.
- PART NUMBER WITH SUFFIX "U" IS FOR SAWING PURPOSES ONLY.
- STANDARD TUBE PACKAGE PER BUS-14-097/3.
- ADD LF SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- THESE PRODUCTS 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".
- 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<br>ISO 1101                                              |            | DUBOX                                         |
| ltr         | ecn no dr      | date       | tolerances unless otherwise specified                            |            | title                                         |
| S           |                |            | angles linear .XX ±.01/.3<br>.XXX ±.005/.13<br>.XXXX ±.0020/.051 | INCH/MM    | DUBOX DBL. ROW VERT.<br>CARD CONNECTOR ASS'Y. |
|             |                |            | 0'±2'                                                            | scale 4:1  | dwg no sheet2 of 4 size                       |
|             |                | dr         | J. SHREINER 02/05/91                                             | FCI        | 68683 A3                                      |
|             |                | enr        | M. HAHN 02/05/91                                                 |            |                                               |
|             |                | chr        | M. HAHN 02/05/91                                                 |            |                                               |
|             |                | appd       | M. HAHN 02/05/91                                                 |            |                                               |
| sheet index | revision sheet |            |                                                                  |            | type Product Customer Drawing                 |





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| PRODUCT NUMBER<br>↓ | NO. OF POSITION<br>↓ | C DIM        | D DIM        | LF OPTION  |
|---------------------|----------------------|--------------|--------------|------------|
| 68683-Y26           | 2 X 26               | 2.500/63.50  | 2.617/66.47  | NOTE 8     |
| -Y27                | 2 X 27               | 2.600/66.04  | 2.717/69.01  |            |
| -Y28                | 2 X 28               | 2.700/68.58  | 2.817/71.55  |            |
| -Y29                | 2 X 29               | 2.800/71.12  | 2.917/74.09  |            |
| -Y30                | 2 X 30               | 2.900/73.66  | 3.017/76.63  |            |
| -Y31                | 2 X 31               | 3.000/76.20  | 3.117/79.17  |            |
| -Y32                | 2 X 32               | 3.100/78.74  | 3.217/81.71  |            |
| -Y33                | 2 X 33               | 3.200/81.28  | 3.317/84.25  |            |
| -Y34                | 2 X 34               | 3.300/83.82  | 3.417/86.79  |            |
| -Y35                | 2 X 35               | 3.400/86.36  | 3.517/89.33  |            |
| -Y36                | 2 X 36               | 3.500/88.90  | 3.617/91.87  |            |
| -Y37                | 2 X 37               | 3.600/91.44  | 3.717/94.41  |            |
| -Y38                | 2 X 38               | 3.700/93.98  | 3.817/96.95  |            |
| -Y39                | 2 X 39               | 3.800/96.52  | 3.917/99.49  |            |
| -Y40                | 2 X 40               | 3.900/99.06  | 4.017/102.03 |            |
| -Y41                | 2 X 41               | 4.000/101.60 | 4.117/104.57 |            |
| -Y42                | 2 X 42               | 4.100/104.14 | 4.217/107.11 |            |
| -Y43                | 2 X 43               | 4.200/106.68 | 4.317/109.65 |            |
| -Y44                | 2 X 44               | 4.300/109.22 | 4.417/112.19 |            |
| -Y45                | 2 X 45               | 4.400/111.76 | 4.517/114.73 |            |
| -Y46                | 2 X 46               | 4.500/114.30 | 4.617/117.27 |            |
| -Y47                | 2 X 47               | 4.600/116.84 | 4.717/119.81 |            |
| -Y48                | 2 X 48               | 4.700/119.38 | 4.817/122.35 |            |
| -Y49                | 2 X 49               | 4.800/121.92 | 4.917/124.89 |            |
| 68683-Y50           | 2 X 50               | 4.900/124.46 | 5.017/127.43 | SEE NOTE 6 |
| 68683-Y50U          | 2 X 50               | 4.900/124.46 | 5.017/127.43 |            |

|                  |                |    |    |                       |                                           |                          |                               |
|------------------|----------------|----|----|-----------------------|-------------------------------------------|--------------------------|-------------------------------|
| mat'l. code<br>- |                |    |    | surface<br>ISO 1302 ✓ | tolerance<br>ISO 406<br>ISO 1101          | projection<br>           | product family<br>DUBOX       |
| ltr              | ecn            | no | dr | date                  | tolerances unless otherwise specified     | INCH/MM<br>scale 4:1<br> | title                         |
| S                |                |    |    |                       | angles linear .XX ±.01/.3                 |                          | DUBOX DBL. ROW VERT.          |
|                  |                |    |    |                       | 0'±2' .XXX ±.005/.13<br>.XXXX ±.0020/.051 |                          | CARD CONNECTOR ASS'Y.         |
|                  |                |    |    | dr                    | J. SHREINER 02/05/91                      |                          | dwg no                        |
|                  |                |    |    | enr                   | M. HAHN 02/05/91                          |                          | sheet 4 of 4 size             |
|                  |                |    |    | chr                   | M. HAHN 02/05/91                          |                          | 68683 A3                      |
|                  |                |    |    | appd                  | M. HAHN 02/05/91                          |                          | type Product Customer Drawing |
| sheet index      | revision sheet |    |    |                       |                                           |                          |                               |

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## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

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<http://moschip.ru/get-element>

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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