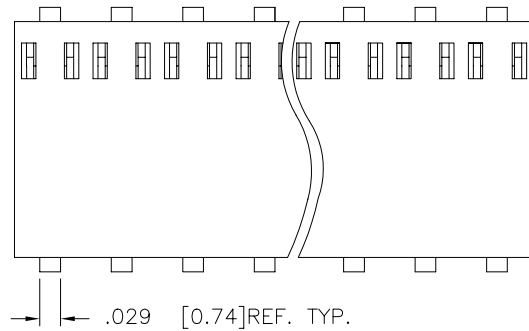




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PRODUCT NUMBER  
SEE TABLE

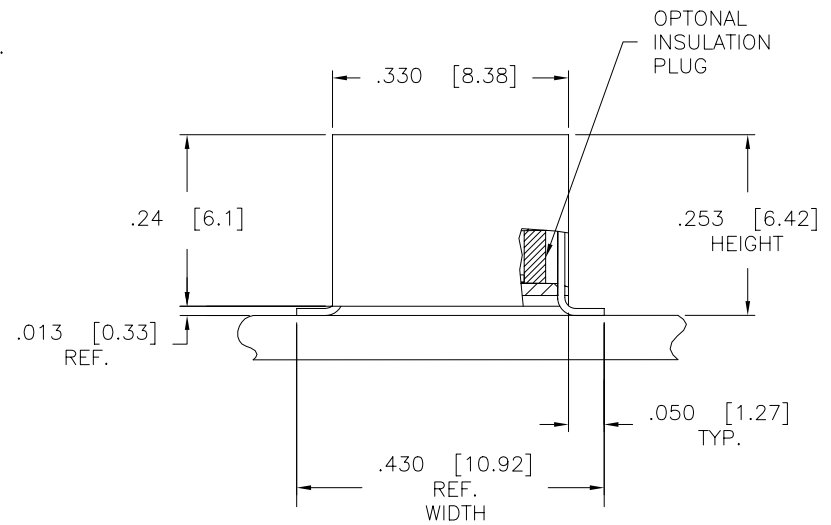


.100 [2.54] TYP.

□ .046 [1.17] TYP.  
CONTACT OPENING

.100 [2.54]

P.C.B.

DIM "A"  $\pm 0.10$  [ $\pm 0.25$ ].060 [1.52] MAX  
TYP.DIM "B" MAX.  
LGTH.OPTIONAL  
INSULATION  
PLUG

.24 [6.1]

.253 [6.42]  
HEIGHT.013 [0.33]  
REF..050 [1.27]  
TYP..430 [10.92]  
REF.  
WIDTH

|             |          |     |          |                                       |             |                                  |   |                                                                                                        |                                     |                             |                            |   |    |
|-------------|----------|-----|----------|---------------------------------------|-------------|----------------------------------|---|--------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------|----------------------------|---|----|
| mat'l. code |          |     |          | surface<br>ISO 1302 ✓                 |             | tolerance<br>ISO 406<br>ISO 1101 |   | projection<br>    |                                     | product family<br>CARD CONN |                            |   |    |
| ltr         | ecn no   | dr  | date     | tolerances unless otherwise specified |             |                                  |   |                                                                                                        |                                     | title                       |                            |   |    |
| J           | V50963   | LSS | 08/15/95 | angles                                | linear      | .XX ±.01/.3                      |   | INCH/MM<br>↔                                                                                           | SDT SURFACE MOUNT<br>CARD CONNECTOR |                             |                            |   |    |
| K           | V70466   | MDF | 10/01/97 |                                       |             | .XXX ±.005/.13                   |   |                                                                                                        |                                     |                             |                            |   |    |
| L           | V80029   | LSS | 01/30/96 |                                       |             | .XXXX ±.0020/.051                |   |                                                                                                        |                                     |                             |                            |   |    |
| M           | V02386   | AZ  | 10/06/00 | dr                                    | J. SHREINER | 3/17/90                          |   | scale 4:1<br><br> | dwg no                              |                             | sheet 1 of 7 size<br>67848 |   | A3 |
| N           | V20148   | GIP | 02/01/02 | enfr                                  | M. HAHN     | 3/17/90                          |   |                                                                                                        |                                     |                             |                            |   |    |
| P           | M05-0181 | MHT | 8/22/05  | chr                                   | M. HAHN     | 3/17/90                          |   |                                                                                                        |                                     |                             |                            |   |    |
| R           | M06-0117 | AEA | 06/27/06 | appd                                  | M. HAHN     | 3/17/90                          |   | type                                                                                                   |                                     | Product Customer Drawing    |                            |   |    |
| sheet       | revision | R   | R        | R                                     | R           | R                                | R |                                                                                                        |                                     |                             |                            |   |    |
| index       | sheet    | 1   | 2        | 3                                     | 4           | 5                                | 6 | 7                                                                                                      |                                     |                             |                            |   |    |
|             |          |     |          | 4                                     |             |                                  |   | 5                                                                                                      |                                     |                             |                            | 6 |    |

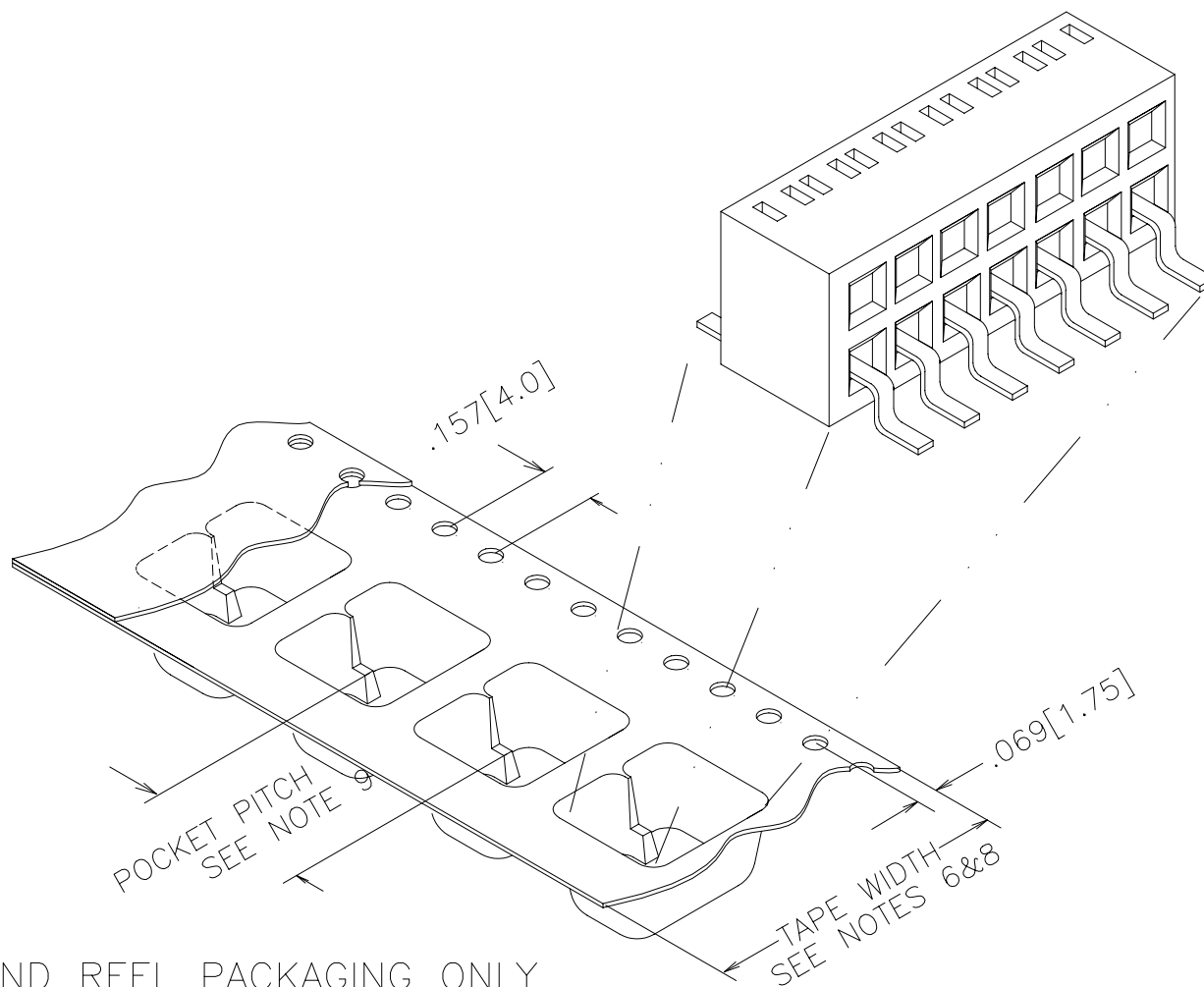
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PRODUCT NUMBER  
SEE TABLE



TAPE AND REEL PACKAGING ONLY  
SEE NOTE 8

|             |     |                |    |                       |                                       |                                  |                                                          |                                                                                                     |                                                                                                  |                             |                                     |      |              |          |         |
|-------------|-----|----------------|----|-----------------------|---------------------------------------|----------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------|------|--------------|----------|---------|
| mat'l. code |     |                |    | surface<br>ISO 1302 ✓ |                                       | tolerance<br>ISO 406<br>ISO 1101 |                                                          | projection<br> |                                                                                                  | product family<br>CARD CONN |                                     |      |              |          |         |
| ltr         | ecn | no             | dr | date                  | tolerances unless otherwise specified |                                  |                                                          |                                                                                                     |                                                                                                  | title                       |                                     |      |              |          |         |
| R           |     |                |    |                       | angles                                | linear                           | .XX ±.01/.3<br>.XXX ±.005/.13<br>0°±2' .XXXX ±.0020/.051 |                                                                                                     | INCH/MM<br> |                             | SDT SURFACE MOUNT<br>CARD CONNECTOR |      |              |          |         |
|             |     |                |    |                       | dr                                    | J. SHREINER                      | 3/17/90                                                  |                                                                                                     |             |                             | dwg no                              |      | sheet 2 of 7 |          | size    |
|             |     |                |    |                       | engr                                  | M. HAHN                          | 3/17/90                                                  |                                                                                                     |                                                                                                  |                             | 67848                               |      |              |          | A3      |
|             |     |                |    |                       | chr                                   | M. HAHN                          | 3/17/90                                                  |                                                                                                     |                                                                                                  |                             |                                     |      |              |          |         |
|             |     |                |    |                       | appd                                  | M. HAHN                          | 3/17/90                                                  |                                                                                                     |                                                                                                  |                             |                                     |      |              |          |         |
| sheet index |     | revision sheet |    | 1                     |                                       |                                  |                                                          |                                                                                                     |                                                                                                  |                             |                                     | type | Product      | Customer | Drawing |

form: A3

PRODUCT NUMBER  
SEE TABLE

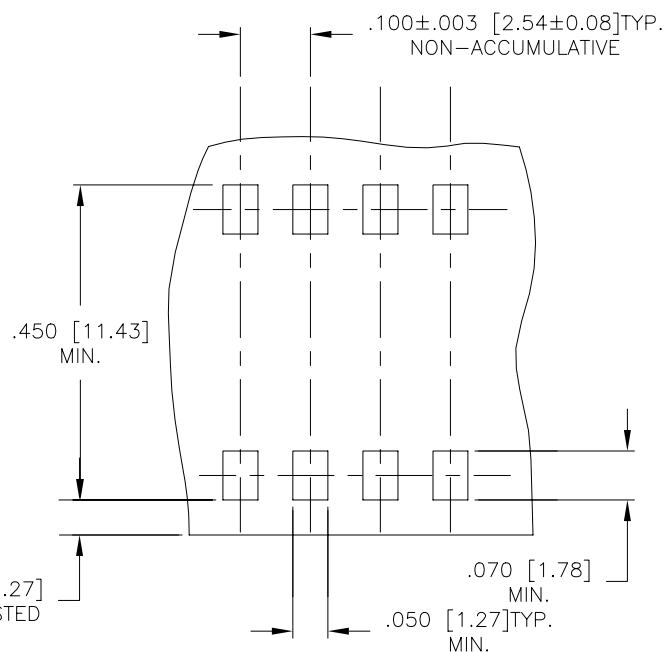


FIGURE 1  
SCALE: 10:1  
RECOMMENDED PCB FOOT PRINT  
SEE NOTE 3

NOTES:

1. HOUSING MATERIAL: FILLED, HI TEMP NYLON, COLOR: BLACK
2. TERMINAL MATERIAL: BODY, .010/.25 THICK BRASS  
SPRING, BeCu, HEAT TREATED  
BODY PLATING: 30u"/.76um Au OVER 50u"/1.27um Ni IN CONTACT AREA.  
SOLDERTAIL: 100u"/2.54um TIN/LEAD OVER 50u"/1.27um Ni  
SPRING PLATING: Au FLASH  
LF SOLDER TAIL:  
100u"/2.54um Sn OVER 50u"/1.27um Ni. (NOTE 13)
3. APPLICATION INFORMATION:  
A. RECOMMENDED SOLDER PAD PATTERN IS SHOWN IN FIG. 1.  
B. ALL MATING PINS TO BE .025/.64 SQ.ON TRUE CENTER OF GIVEN TERMINAL SPACING WITHIN .015/.39 DIA.  
C. SUGGESTED MATING PIN LENGTH .350±.020/8.89±0.51.
4. TERMINAL MATERIAL: BODY, .010/.25 THICK  
SPRING, BeCu, HEAT TREATED.  
BODY PLATING: 30u"/.76um Au OVER 50u"/1.27um Ni IN CONTACT AREA.  
SOLDERTAIL: Au FLASH  
SPRING PLATING: Au FLASH
5. TAPE & REEL PACKAGING PER GES-14-344.
6. PART NUMBERS WITH THE SUFFIX "P" ADDED TO DASH NUMBER ARE TAPE & REEL PACKAGED.
7. TAPE & REEL PACKAGING FOR 24mm WIDE TAPE AND BELOW HAVE PILOT HOLE ON BOTH SIDES OF TAPE.
8. TAPE & REEL PACKAGING 56mm TAPE WIDTH, WITH 16mm POCKET PITCH
9. ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
10. THESE PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
11. THIS PART WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN A WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.
12. THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WISKER GROWTH IN ALL INTERCONNECT REQUIREMENTS

|             |          |    |    |                       |                                       |                                  |                                                                                       |                                     |  |  |  |
|-------------|----------|----|----|-----------------------|---------------------------------------|----------------------------------|---------------------------------------------------------------------------------------|-------------------------------------|--|--|--|
| mat'l. code |          |    |    | surface<br>ISO 1302 ✓ |                                       | tolerance<br>ISO 406<br>ISO 1101 | projection<br>INCH/MM                                                                 | product family<br>CARD CONN         |  |  |  |
| ltr         | ecn      | no | dr | date                  | tolerances unless otherwise specified |                                  |  | title                               |  |  |  |
| R           |          |    |    |                       | angles                                | linear                           |                                                                                       | SDT SURFACE MOUNT<br>CARD CONNECTOR |  |  |  |
|             |          |    |    |                       | 0°±2°                                 |                                  |                                                                                       | dwg no                              |  |  |  |
|             |          |    |    |                       |                                       |                                  |                                                                                       | sheet 3 of 7                        |  |  |  |
|             |          |    |    |                       | dr                                    | J. SHREINER                      | 3/17/90                                                                               | 67848                               |  |  |  |
|             |          |    |    |                       | enr                                   | M. HAHN                          | 3/17/90                                                                               | A3                                  |  |  |  |
|             |          |    |    |                       | chr                                   | M. HAHN                          | 3/17/90                                                                               | type                                |  |  |  |
|             |          |    |    |                       | appd                                  | M. HAHN                          | 3/17/90                                                                               | Product Customer Drawing            |  |  |  |
| sheet       | revision |    |    |                       |                                       |                                  |                                                                                       |                                     |  |  |  |
| index       | sheet    | 1  |    |                       |                                       |                                  |                                                                                       |                                     |  |  |  |



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| PRODUCT NUMBER<br>SEE TABLE |      | N. OF<br>POS. | DIM. A       | DIM. B | INSULATION<br>PLUG | PLATING | TAPE & REEL<br>PACKAGING | LEAD FREE<br>OPTION |             |            |
|-----------------------------|------|---------------|--------------|--------|--------------------|---------|--------------------------|---------------------|-------------|------------|
| 67848-001                   | 2X1  | .00/.0        | .120/3.05    | NO     |                    |         |                          |                     | NOTES 10,11 | UNASSIGNED |
| -002                        | 2X2  | .10/2.5       | .220/5.59    | NO     |                    |         |                          |                     |             | UNASSIGNED |
| -003                        | 2X3  | .20/5.0       | .320/8.13    | NO     | NOTE 5             | NO      |                          |                     |             |            |
| -004                        | 2X4  | .30/7.6       | .420/10.67   | NO     | NOTE 5             | NO      |                          |                     |             |            |
| -005                        | 2X5  | .40/10.1      | .520/13.21   | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -006                        | 2X6  | .50/12.7      | .620/15.75   | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -007                        | 2X7  | .60/15.2      | .720/18.27   | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -008                        | 2X8  | .70/17.7      | .820/20.83   | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -009                        | 2X9  | .80/20.3      | .920/23.37   | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -010                        | 2X10 | .90/22.8      | 1.020/25.91  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -011                        | 2X11 | 1.00/25.4     | 1.120/28.45  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -012                        | 2X12 | 1.10/27.9     | 1.220/30.99  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -013                        | 2X13 | 1.20/30.4     | 1.320/33.53  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -014                        | 2X14 | 1.30/33.0     | 1.420/36.07  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -015                        | 2X15 | 1.40/35.5     | 1.520/38.61  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -016                        | 2X16 | 1.50/38.1     | 1.620/41.15  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -017                        | 2X17 | 1.60/40.6     | 1.720/43.69  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -018                        | 2X18 | 1.70/43.1     | 1.820/46.23  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -019                        | 2X19 | 1.80/45.7     | 1.920/48.77  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -020                        | 2X20 | 1.90/48.2     | 2.020/51.31  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -021                        | 2X21 | 2.00/50.8     | 2.120/53.85  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -022                        | 2X22 | 2.10/53.3     | 2.220/56.39  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -023                        | 2X23 | 2.20/55.8     | 2.320/58.93  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -024                        | 2X24 | 2.30/58.4     | 2.420/61.47  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -025                        | 2X25 | 2.40/60.9     | 2.520/64.01  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -026                        | 2X26 | 2.50/63.5     | 2.620/66.55  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -027                        | 2X27 | 2.60/66.0     | 2.720/69.09  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -028                        | 2X28 | 2.70/68.5     | 2.820/71.63  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -029                        | 2X29 | 2.80/71.1     | 2.920/74.17  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -030                        | 2X30 | 2.90/73.6     | 3.020/76.71  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -031                        | 2X31 | 3.00/76.2     | 3.120/79.25  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -032                        | 2X32 | 3.10/78.7     | 3.220/81.79  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -033                        | 2X33 | 3.20/81.2     | 3.320/84.33  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -034                        | 2X34 | 3.30/83.8     | 3.420/86.87  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -035                        | 2X35 | 3.40/86.3     | 3.520/89.41  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -036                        | 2X36 | 3.50/88.9     | 3.620/91.95  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -037                        | 2X37 | 3.60/91.4     | 3.720/94.49  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -038                        | 2X38 | 3.70/93.9     | 3.820/97.03  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| -039                        | 2X39 | 3.80/96.5     | 3.920/99.57  | NO     | NOTE 2             | NO      |                          |                     |             |            |
| 67848-040                   | 2X40 | 3.90/99.0     | 4.020/102.11 | NO     | NOTE 2             | NO      |                          |                     | NOTES 10,11 |            |

|             |        |                |             |                                                 |                   |                                                                                       |                                     |         |             |      |
|-------------|--------|----------------|-------------|-------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|-------------------------------------|---------|-------------|------|
| mat'l. code |        |                |             | surface ISO 1302 ✓ / tolerance ISO 406 ISO 1101 |                   |  | product family<br>CARD CONN         |         |             |      |
| ltr         | ecn no | dr             | date        | tolerances unless otherwise specified           |                   |                                                                                       | title                               |         |             |      |
| R           |        |                |             | angles                                          | linear            |                                                                                       |                                     | INCH/MM |             |      |
|             |        |                |             |                                                 | .XX ±.01/.3       |                                                                                       | SDT SURFACE MOUNT<br>CARD CONNECTOR |         |             |      |
|             |        |                |             |                                                 | .XXX ±.005/.13    |                                                                                       |                                     |         |             |      |
|             |        |                |             | 0°±2'                                           | .XXXX ±.0020/.051 | scale 4:1                                                                             |                                     |         |             |      |
|             |        | dr             | J. SHREINER |                                                 | 3/17/90           |  | dwg no                              |         | sheet4 of 7 | size |
|             |        | enr            | M. HAHN     |                                                 | 3/17/90           |                                                                                       | 67848                               | A3      |             |      |
|             |        | chr            | M. HAHN     |                                                 | 3/17/90           |                                                                                       |                                     |         |             |      |
|             |        | appd           | M. HAHN     |                                                 | 3/17/90           |                                                                                       |                                     |         |             |      |
| sheet index |        | revision sheet |             | 1                                               |                   |                                                                                       | type Product Customer Drawing       |         |             |      |

form: A3

| PRODUCT NUMBER | N. OF POS. | DIM. A     | DIM. B       | INSULATION PLUG | PLATING | TAPE & REEL PACKAGING | LEAD FREE OPTION |
|----------------|------------|------------|--------------|-----------------|---------|-----------------------|------------------|
| 67848-041      | 2X41       | 4.00/101.6 | 4.120/104.65 | NO              | NOTE 2  | NO                    | NOTES 10,11      |
| -042           | 2X42       | 4.10/104.1 | 4.220/107.19 | NO              | NOTE 2  | NO                    |                  |
| -043           | 2X43       | 4.20/106.6 | 4.320/109.73 | NO              | NOTE 2  | NO                    |                  |
| -044           | 2X44       | 4.30/109.2 | 4.420/112.27 | NO              | NOTE 2  | NO                    |                  |
| -045           | 2X45       | 4.40/111.7 | 4.520/114.81 | NO              | NOTE 2  | NO                    |                  |
| -046           | 2X46       | 4.50/114.3 | 4.620/117.35 | NO              | NOTE 2  | NO                    |                  |
| -047           | 2X47       | 4.60/116.8 | 4.720/119.89 | NO              | NOTE 2  | NO                    |                  |
| -048           | 2X48       | 4.70/119.3 | 4.820/122.43 | NO              | NOTE 2  | NO                    |                  |
| -049           | 2X49       | 4.80/121.9 | 4.920/124.97 | NO              | NOTE 2  | NO                    |                  |
| -050           | 2X50       | 4.90/124.4 | 5.020/127.51 | NO              | NOTE 2  | NO                    |                  |
| -051           | 2X51       | 5.00/127.0 | 5.120/130.05 | NO              | NOTE 2  | NO                    |                  |
| -052           | 2X52       | 5.10/129.5 | 5.220/132.59 | NO              | NOTE 2  | NO                    |                  |
| -053           | 2X53       | 5.20/132.0 | 5.320/135.15 | NO              | NOTE 2  | NO                    |                  |
| -054           | 2X54       | 5.30/134.6 | 5.420/137.67 | NO              | NOTE 2  | NO                    |                  |
| -055           | 2X55       | 5.40/137.1 | 5.520/140.21 | NO              | NOTE 2  | NO                    |                  |
| -056           | 2X56       | 5.50/139.7 | 5.620/142.76 | NO              | NOTE 2  | NO                    |                  |
| -057           | 2X57       | 5.60/142.2 | 5.720/145.29 | NO              | NOTE 2  | NO                    |                  |
| -058           | 2X58       | 5.70/144.7 | 5.820/147.83 | NO              | NOTE 2  | NO                    |                  |
| -059           | 2X59       | 5.80/147.3 | 5.920/150.37 | NO              | NOTE 2  | NO                    |                  |
| -060           | 2X60       | 5.90/149.8 | 6.020/152.91 | NO              | NOTE 2  | NO                    |                  |
| -061           | 2X61       | 6.00/152.4 | 6.120/155.45 | NO              | NOTE 2  | NO                    |                  |
| -062           | 2X62       | 6.10/154.9 | 6.220/157.99 | NO              | NOTE 2  | NO                    |                  |
| -063           | 2X63       | 6.20/157.4 | 6.320/160.53 | NO              | NOTE 2  | NO                    |                  |
| -064           | 2X64       | 6.30/160.0 | 6.420/163.07 | NO              | NOTE 2  | NO                    |                  |
| 67848-065      | 2X65       | 6.40/162.5 | 6.520/165.61 | NO              | NOTE 2  | NO                    | NOTES 10,11      |
| 67848-013P     | 2X13       | 1.20/30.4  | 1.320/33.53  | NO              | NOTE 2  | YES                   |                  |

NOTE 7 &amp; 9

|             |          |       |    |                       |                                                                  |                                                                                                               |                                     |
|-------------|----------|-------|----|-----------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------|
| mat'l. code |          |       |    | surface<br>ISO 1302 ✓ | tolerance<br>ISO 406<br>ISO 1101                                 | projection<br>           | product family<br>CARD CONN         |
| ltr         | ecn      | no    | dr | date                  | tolerances unless otherwise specified                            | INCH/MM<br>scale 4:1<br> | title                               |
| R           |          |       |    |                       | angles linear .XX ±.01/.3<br>.XXX ±.005/.13<br>.XXXX ±.0020/.051 |                                                                                                               | SDT SURFACE MOUNT<br>CARD CONNECTOR |
|             |          |       |    |                       | 0'±2'                                                            |                                                                                                               |                                     |
|             |          |       |    | dr                    | J. SHREINER 3/17/90                                              |                                                                                                               | dwg no                              |
|             |          |       |    | enr                   | M. HAHN 3/17/90                                                  |                                                                                                               | sheet 5 of 7                        |
|             |          |       |    | chr                   | M. HAHN 3/17/90                                                  |                                                                                                               | size                                |
|             |          |       |    | appd                  | M. HAHN 3/17/90                                                  |                                                                                                               | A3                                  |
| sheet index | revision | sheet | 1  |                       |                                                                  |                                                                                                               | type                                |
|             |          |       |    |                       |                                                                  |                                                                                                               | Product Customer Drawing            |



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| PRODUCT<br>NUMBER | N. OF<br>POS.           | DIM. A    | DIM. B       | INSULATION<br>PLUG | PLATING | TAPE & REEL<br>PACKAGING | LEAD FREE<br>OPTION |
|-------------------|-------------------------|-----------|--------------|--------------------|---------|--------------------------|---------------------|
| 67848-501         | D I S C O N T I N U E D |           |              |                    |         |                          | NOTES 10,11         |
| -502              | 2X2                     | .10/2.5   | .220/5.59    | YES                |         |                          | UNASSIGNED          |
| -503              | 2X3                     | .20/5.0   | .320/8.13    | YES                | NOTE 5  | NO                       |                     |
| -504              | 2X4                     | .30/7.6   | .420/10.67   | YES                | NOTE 5  | NO                       |                     |
| -505              | 2X5                     | .40/10.1  | .520/13.21   | YES                | NOTE 2  | NO                       |                     |
| -506              | 2X6                     | .50/12.7  | .620/15.75   | YES                | NOTE 2  | NO                       |                     |
| -507              | 2X7                     | .60/15.2  | .720/18.27   | YES                | NOTE 2  | NO                       |                     |
| -508              | 2X8                     | .70/17.7  | .820/20.83   | YES                | NOTE 2  | NO                       |                     |
| -509              | 2X9                     | .80/20.3  | .920/23.37   | YES                | NOTE 2  | NO                       |                     |
| -510              | 2X10                    | .90/22.8  | 1.020/25.91  | YES                | NOTE 2  | NO                       |                     |
| -511              | 2X11                    | 1.00/25.4 | 1.120/28.45  | YES                | NOTE 2  | NO                       |                     |
| -512              | 2X12                    | 1.10/27.9 | 1.220/30.99  | YES                | NOTE 2  | NO                       |                     |
| -513              | 2X13                    | 1.20/30.4 | 1.320/33.53  | YES                | NOTE 2  | NO                       |                     |
| -514              | 2X14                    | 1.30/33.0 | 1.420/36.07  | YES                | NOTE 2  | NO                       |                     |
| -515              | 2X15                    | 1.40/35.5 | 1.520/38.61  | YES                | NOTE 2  | NO                       |                     |
| -516              | 2X16                    | 1.50/38.1 | 1.620/41.15  | YES                | NOTE 2  | NO                       |                     |
| -517              | 2X17                    | 1.60/40.6 | 1.720/43.69  | YES                | NOTE 2  | NO                       |                     |
| -518              | 2X18                    | 1.70/43.1 | 1.820/46.23  | YES                | NOTE 2  | NO                       |                     |
| -519              | 2X19                    | 1.80/45.7 | 1.920/48.77  | YES                | NOTE 2  | NO                       |                     |
| -520              | 2X20                    | 1.90/48.2 | 2.020/51.31  | YES                | NOTE 2  | NO                       |                     |
| -521              | 2X21                    | 2.00/50.8 | 2.120/53.85  | YES                | NOTE 2  | NO                       |                     |
| -522              | 2X22                    | 2.10/53.3 | 2.220/56.39  | YES                | NOTE 2  | NO                       |                     |
| -523              | 2X23                    | 2.20/55.8 | 2.320/58.93  | YES                | NOTE 2  | NO                       |                     |
| -524              | 2X24                    | 2.30/58.4 | 2.420/61.47  | YES                | NOTE 2  | NO                       |                     |
| -525              | 2X25                    | 2.40/60.9 | 2.520/64.01  | YES                | NOTE 2  | NO                       |                     |
| -526              | 2X26                    | 2.50/63.5 | 2.620/66.55  | YES                | NOTE 2  | NO                       |                     |
| -527              | 2X27                    | 2.60/66.0 | 2.720/69.09  | YES                | NOTE 2  | NO                       |                     |
| -528              | 2X28                    | 2.70/68.5 | 2.820/71.63  | YES                | NOTE 2  | NO                       |                     |
| -529              | 2X29                    | 2.80/71.1 | 2.920/74.17  | YES                | NOTE 2  | NO                       |                     |
| -530              | 2X30                    | 2.90/73.6 | 3.020/76.71  | YES                | NOTE 2  | NO                       |                     |
| -531              | 2X31                    | 3.00/76.2 | 3.120/79.25  | YES                | NOTE 2  | NO                       |                     |
| -532              | 2X32                    | 3.10/78.7 | 3.220/81.79  | YES                | NOTE 2  | NO                       |                     |
| -533              | 2X33                    | 3.20/81.2 | 3.320/84.33  | YES                | NOTE 2  | NO                       |                     |
| -534              | 2X34                    | 3.30/83.8 | 3.420/86.87  | YES                | NOTE 2  | NO                       |                     |
| -535              | 2X35                    | 3.40/86.3 | 3.520/89.41  | YES                | NOTE 2  | NO                       |                     |
| -536              | 2X36                    | 3.50/88.9 | 3.620/91.95  | YES                | NOTE 2  | NO                       |                     |
| -537              | 2X37                    | 3.60/91.4 | 3.720/94.49  | YES                | NOTE 2  | NO                       |                     |
| -538              | 2X38                    | 3.70/93.9 | 3.820/97.03  | YES                | NOTE 2  | NO                       |                     |
| -539              | 2X39                    | 3.80/96.5 | 3.920/99.57  | YES                | NOTE 2  | NO                       |                     |
| 67848-540         | 2X40                    | 3.90/99.0 | 4.020/102.11 | YES                | NOTE 2  | NO                       | NOTES 10,11         |

|             |  |          |  |                                                                                |  |                                                    |  |                                                                                                     |  |                             |  |           |  |                                     |  |
|-------------|--|----------|--|--------------------------------------------------------------------------------|--|----------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|--|-----------------------------|--|-----------|--|-------------------------------------|--|
| mat'l. code |  |          |  | surface<br>ISO 1302 <input checked="" type="checkbox"/><br>ISO 406<br>ISO 1101 |  | tolerance<br>tolerances unless otherwise specified |  | projection<br> |  | product family<br>CARD CONN |  |           |  |                                     |  |
| ltr         |  | ecn no   |  | dr                                                                             |  | date                                               |  | angles                                                                                              |  | linear                      |  | INCH/MM   |  | title                               |  |
| R           |  |          |  |                                                                                |  |                                                    |  | 0°±2'                                                                                               |  |                             |  | scale 4:1 |  | SDT SURFACE MOUNT<br>CARD CONNECTOR |  |
|             |  |          |  |                                                                                |  |                                                    |  | dr                                                                                                  |  | J. SHREINER                 |  | 3/17/90   |  | dwg no                              |  |
|             |  |          |  |                                                                                |  |                                                    |  | enr                                                                                                 |  | M. HAHN                     |  | 3/17/90   |  | sheet 6 of 7                        |  |
|             |  |          |  |                                                                                |  |                                                    |  | chr                                                                                                 |  | M. HAHN                     |  | 3/17/90   |  | size                                |  |
|             |  |          |  |                                                                                |  |                                                    |  | appd                                                                                                |  | M. HAHN                     |  | 3/17/90   |  | A3                                  |  |
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| PRODUCT NUMBER |      | N. OF POS. | DIM. A       | DIM. B | INSULATION PLUG | PLATING | TAPE & REEL PACKAGING | LEAD FREE OPTION |  |  |  |  |  |  |  |  |  |  |
|----------------|------|------------|--------------|--------|-----------------|---------|-----------------------|------------------|--|--|--|--|--|--|--|--|--|--|
| 67848-541      | 2X41 | 4.00/101.6 | 4.120/104.65 | YES    | NOTE 2          | NO      | NOTES 10,11           |                  |  |  |  |  |  |  |  |  |  |  |
| -542           | 2X42 | 4.10/104.1 | 4.220/107.19 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -543           | 2X43 | 4.20/106.6 | 4.320/109.73 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -544           | 2X44 | 4.30/109.2 | 4.420/112.27 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -545           | 2X45 | 4.40/111.7 | 4.520/114.81 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -546           | 2X46 | 4.50/114.3 | 4.620/117.35 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -547           | 2X47 | 4.60/116.8 | 4.720/119.89 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -548           | 2X48 | 4.70/119.3 | 4.820/122.43 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -549           | 2X49 | 4.80/121.9 | 4.920/124.97 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -550           | 2X50 | 4.90/124.4 | 5.020/127.51 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -551           | 2X51 | 5.00/127.0 | 5.120/130.05 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -552           | 2X52 | 5.10/129.5 | 5.220/132.59 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -553           | 2X53 | 5.20/132.0 | 5.320/135.15 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -554           | 2X54 | 5.30/134.6 | 5.420/137.67 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -555           | 2X55 | 5.40/137.1 | 5.520/140.21 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -556           | 2X56 | 5.50/139.7 | 5.620/142.76 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -557           | 2X57 | 5.60/142.2 | 5.720/145.29 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -558           | 2X58 | 5.70/144.7 | 5.820/147.83 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -559           | 2X59 | 5.80/147.3 | 5.920/150.37 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -560           | 2X60 | 5.90/149.8 | 6.020/152.91 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -561           | 2X61 | 6.00/152.4 | 6.120/155.45 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -562           | 2X62 | 6.10/154.9 | 6.220/157.99 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -563           | 2X63 | 6.20/157.4 | 6.320/160.53 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |
| -564           | 2X64 | 6.30/160.0 | 6.420/163.07 | YES    | NOTE 2          | NO      | NOTES 10,11           |                  |  |  |  |  |  |  |  |  |  |  |
| 67848-565      | 2X65 | 6.40/162.5 | 6.520/165.61 | YES    | NOTE 2          | NO      |                       |                  |  |  |  |  |  |  |  |  |  |  |

|             |                |    |      |                                       |             |                                  |  |                                                                                                     |                                     |                             |             |      |  |
|-------------|----------------|----|------|---------------------------------------|-------------|----------------------------------|--|-----------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------|-------------|------|--|
| mat'l. code |                |    |      | surface<br>ISO 1302 ✓                 |             | tolerance<br>ISO 406<br>ISO 1101 |  | projection<br> |                                     | product family<br>CARD CONN |             |      |  |
| ltr         | ecn no         | dr | date | tolerances unless otherwise specified |             |                                  |  |                                                                                                     |                                     | title                       |             |      |  |
| R           |                |    |      | angles                                | linear      | .XX ±.01/.3                      |  | INCH/MM<br>    | SDT SURFACE MOUNT<br>CARD CONNECTOR |                             |             |      |  |
|             |                |    |      |                                       |             | .XXX ±.005/.13                   |  |                                                                                                     |                                     |                             |             |      |  |
|             |                |    |      | 0'±2'                                 |             | .XXXX ±.0020/.051                |  |                                                                                                     |                                     |                             |             |      |  |
|             |                |    |      | dr                                    | J. SHREINER | 3/17/90                          |  |                | dwg no                              |                             | sheet7 of 7 | size |  |
|             |                |    |      | enr                                   | M. HAHN     | 3/17/90                          |  |                                                                                                     | 67848                               |                             | A3          |      |  |
|             |                |    |      | chr                                   | M. HAHN     | 3/17/90                          |  |                                                                                                     |                                     |                             |             |      |  |
|             |                |    |      | appd                                  | M. HAHN     | 3/17/90                          |  |                                                                                                     | type Product Customer Drawing       |                             |             |      |  |
| sheet index | revision sheet | 1  |      |                                       |             |                                  |  |                                                                                                     |                                     |                             |             |      |  |