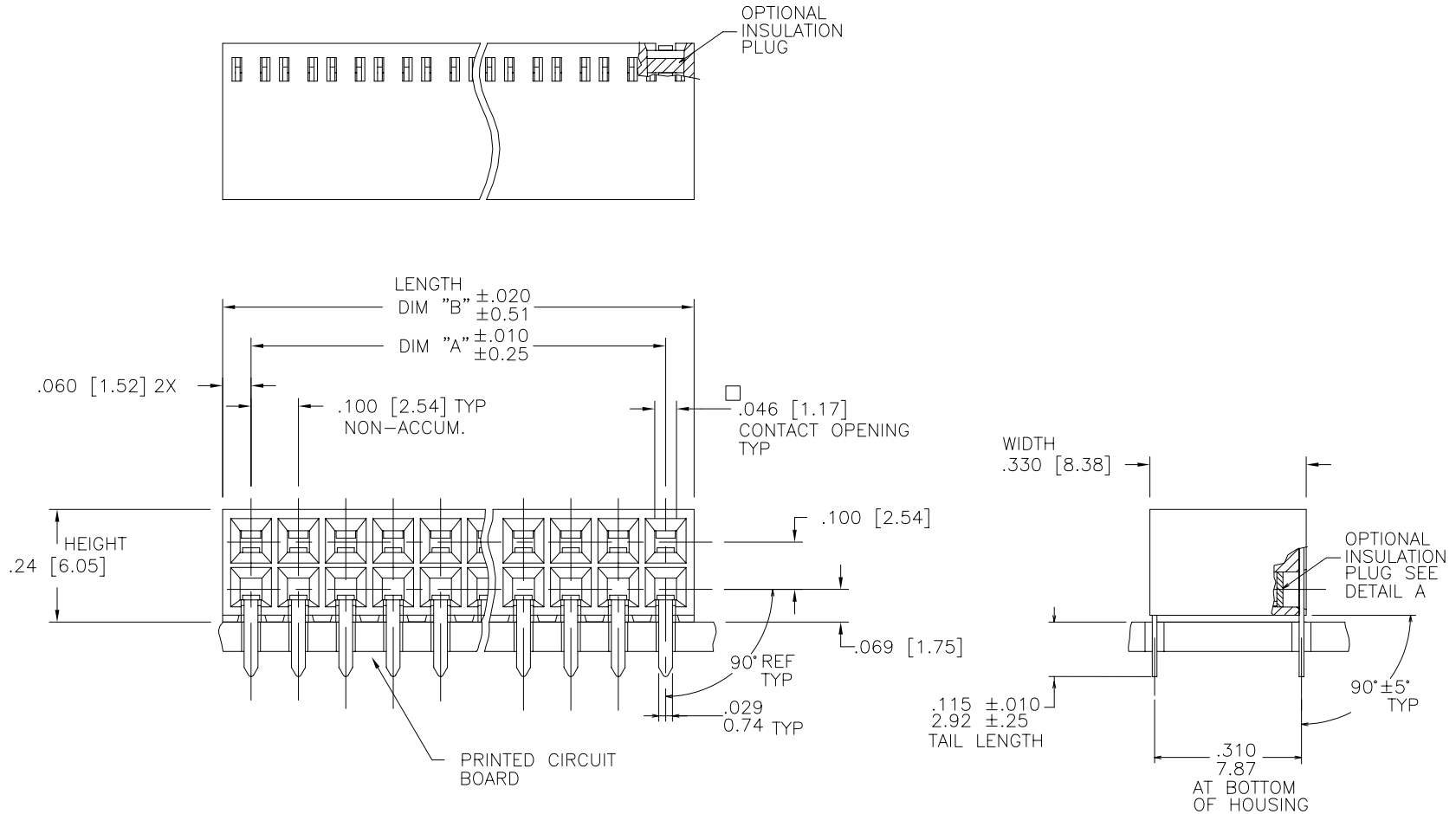




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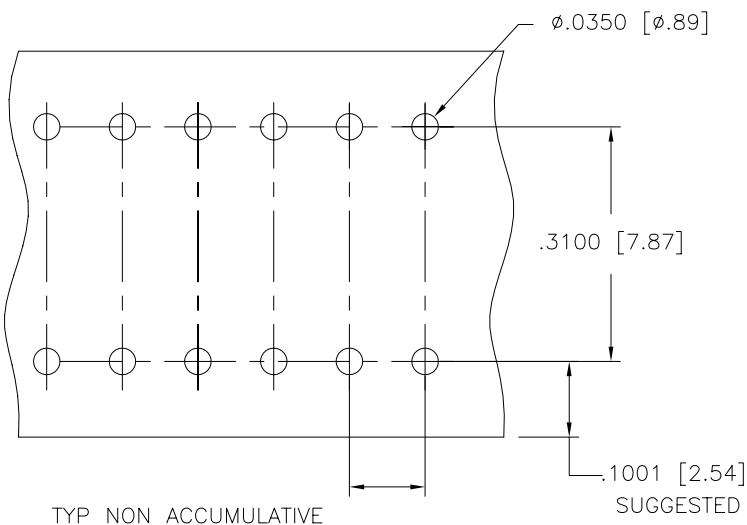
PRODUCT NO  
SEE TABLE



| mat'l. code |          |     |          | surface                               |             | tolerance |                       | projection |  | product family           |  |
|-------------|----------|-----|----------|---------------------------------------|-------------|-----------|-----------------------|------------|--|--------------------------|--|
| -           |          |     |          | ISO 1302                              |             | ISO 406   |                       | INCH/MM    |  | CARD CONN                |  |
|             |          |     |          | tolerances unless otherwise specified |             |           |                       | scale 2:1  |  | title                    |  |
| ltr         | ecr      | no  | dr       | date                                  | angles      | linear    | .XX $\pm .01/.3$      |            |  | 2 x .100 /2.54 HORIZ.    |  |
| F           | CHG      | CHT | JGS      | 3/16/90                               |             |           | .XXX $\pm .005/.13$   |            |  | CARD CONNECTOR           |  |
| G           | V61635   | MDF | 12/2/96  |                                       |             |           | .XXXX $\pm .0020/.05$ |            |  | dwg no                   |  |
| H           | V70995   | JM  | 10/19/97 | 0' $\pm 2'$                           |             |           |                       |            |  | sheet 1 of 6 size        |  |
| J           | V02518   | MDF | 10/24/00 | dr                                    | J. SHREINER | 3/16/90   |                       |            |  | 66928                    |  |
| K           | M05-0181 | ERE | 09/05/05 | enr                                   | M. HAHN     | 3/16/90   |                       |            |  | A3                       |  |
| L           | M06-0117 | AEA | 06/26/06 | chr                                   | M. HAHN     | 3/16/90   |                       |            |  | type                     |  |
| M           | M07-0137 | MHT | 2/26/07  | appd                                  | M. HAHN     | 3/16/90   |                       |            |  | Product Customer Drawing |  |
| sheet       | revision | M   | M        | M                                     | M           | M         | M                     |            |  |                          |  |
| index       | sheet    | 1   | 2        | 3                                     | 4           | 5         | 6                     |            |  |                          |  |

form: A3

PRODUCT NO  
SEE TABLE



NOTES:

- HOUSING MATERIAL:  
FILLED HIGH TEMPERATURE NYLON  
FLAME RETARDANT PER UL 94V-0.  
COLOR:  
BLACK
- TERMINAL MATERIAL:  
BODY: BRASS, .010/.25 THICK.  
SPRING: BE - CU, HEAT TREATED.  
BODY PLATING: 100u"/2.54u PURE TIN (NOTE7) IN CONTACT AREA.  
SPRING PLATING: Au FLASH.
- APPLICATION INFORMATION:  
A. RECOMMENDED MOUNTING HOLE PATTERN IS SHOWN IN FIGURE #1  
B. ALL MATING PINS TO BE .025/0.64 SQUARE ON TRUE  
CENTER OF GIVEN TERMINAL SPACING WITHIN .015/0.38 DIA.  
C. SUGGESTED MATING PIN LENGTH .350±.020/8.89±0.51.
- ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- THESE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- THIS PART WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE  
FOR 20 SECONDS IN A WAVE SOLDER, INFRA-RED OR VAPOR PHASE  
SOLDER PROCESS.
- "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND  
HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT  
ENVIRONMENTS."

|             |     |                |    |            |                                       |                     |                  |                                                                                       |                                                                                       |                               |  |              |  |      |
|-------------|-----|----------------|----|------------|---------------------------------------|---------------------|------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------|--|--------------|--|------|
| mat'l. code |     |                |    | surface    |                                       | tolerance           |                  | projection                                                                            |                                                                                       | product family                |  |              |  |      |
| —           |     |                |    | ISO 1302 ✓ |                                       | ISO 406<br>ISO 1101 |                  |  |                                                                                       | CARD CONN                     |  |              |  |      |
| ltr         | ecn | no             | dr | date       | tolerances unless otherwise specified |                     |                  |                                                                                       |                                                                                       | title                         |  |              |  |      |
| M           |     |                |    |            | angles                                | linear              | .XX±.01/.3       |                                                                                       | INCH/MM                                                                               | 2 x .100 /2.54 HORIZ.         |  |              |  |      |
|             |     |                |    |            |                                       |                     | .XXX ±.005/.13   |                                                                                       |                                                                                       | CARD CONNECTOR                |  |              |  |      |
|             |     |                |    |            | 0°±2'                                 |                     | .XXXX ±.0020/.05 |                                                                                       |                                                                                       | scale 2:1                     |  |              |  |      |
|             |     |                |    | dr         | J. SHREINER                           |                     | 3/16/90          |                                                                                       |  | dwg no                        |  | sheet 2 of 6 |  | size |
|             |     |                |    | engr       | M. HAHN                               |                     | 3/16/90          |                                                                                       |                                                                                       | 66928                         |  | A3           |  |      |
|             |     |                |    | chr        | M. HAHN                               |                     | 3/16/90          |                                                                                       |                                                                                       |                               |  |              |  |      |
|             |     |                |    | appd       | M. HAHN                               |                     | 3/16/90          |                                                                                       |                                                                                       | type Product Customer Drawing |  |              |  |      |
| sheet index |     | revision sheet |    |            |                                       |                     |                  |                                                                                       |                                                                                       |                               |  |              |  |      |



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| PRODUCT NO. | NO. OF POS. | DIM "A"   | DIM "B"      | INSULATION PLUG | LEAD FREE OPTION |
|-------------|-------------|-----------|--------------|-----------------|------------------|
| 66928-001   | 2X1         | .00/0.0   | .120/3.05    | NO              | UNASSIGNED       |
| -002        | 2X2         | .10/2.5   | .220/5.59    | NO              | UNASSIGNED       |
| -003        | 2X3         | .20/5.1   | .320/8.13    | NO              | NOTE 5, 6        |
| -004        | 2X4         | .30/7.6   | .420/10.67   |                 |                  |
| -005        | 2X5         | .40/10.2  | .520/13.21   |                 |                  |
| -006        | 2X6         | .50/12.7  | .620/15.75   |                 |                  |
| -007        | 2X7         | .60/15.2  | .720/18.27   |                 |                  |
| -008        | 2X8         | .70/17.8  | .820/20.83   |                 |                  |
| -009        | 2X9         | .80/20.3  | .920/23.37   |                 |                  |
| -010        | 2X10        | .90/22.9  | 1.020/25.91  |                 |                  |
| -011        | 2X11        | 1.00/25.4 | 1.120/28.45  |                 |                  |
| -012        | 2X12        | 1.10/27.9 | 1.220/30.99  |                 |                  |
| -013        | 2X13        | 1.20/30.5 | 1.320/33.53  |                 |                  |
| -014        | 2X14        | 1.30/33.0 | 1.420/36.07  |                 |                  |
| -015        | 2X15        | 1.40/35.6 | 1.520/38.61  |                 |                  |
| -016        | 2X16        | 1.50/38.1 | 1.620/41.15  |                 |                  |
| -017        | 2X17        | 1.60/40.6 | 1.720/43.69  |                 |                  |
| -018        | 2X18        | 1.70/43.2 | 1.820/46.23  |                 |                  |
| -019        | 2X19        | 1.80/45.7 | 1.920/48.77  |                 |                  |
| -020        | 2X20        | 1.90/48.3 | 2.020/51.31  |                 |                  |
| -021        | 2X21        | 2.00/50.8 | 2.120/53.85  |                 |                  |
| -022        | 2X22        | 2.10/53.3 | 2.220/56.39  |                 |                  |
| -023        | 2X23        | 2.20/55.9 | 2.320/58.93  |                 |                  |
| -024        | 2X24        | 2.30/58.4 | 2.420/61.47  |                 |                  |
| -025        | 2X25        | 2.40/61.0 | 2.520/64.01  |                 |                  |
| -026        | 2X26        | 2.50/63.5 | 2.620/66.55  |                 |                  |
| -027        | 2X27        | 2.60/66.0 | 2.720/69.09  |                 |                  |
| -028        | 2X28        | 2.70/68.6 | 2.820/71.63  |                 |                  |
| -029        | 2X29        | 2.80/71.1 | 2.920/74.17  |                 |                  |
| -030        | 2X30        | 2.90/73.7 | 3.020/76.71  |                 |                  |
| -031        | 2X31        | 3.00/76.2 | 3.120/79.25  |                 |                  |
| -032        | 2X32        | 3.10/78.7 | 3.220/81.79  |                 |                  |
| -033        | 2X33        | 3.20/81.3 | 3.320/84.33  |                 |                  |
| -034        | 2X34        | 3.30/83.8 | 3.420/86.87  |                 |                  |
| -035        | 2X35        | 3.40/86.4 | 3.520/89.41  |                 |                  |
| -036        | 2X36        | 3.50/88.9 | 3.620/91.95  |                 |                  |
| -037        | 2X37        | 3.60/91.4 | 3.720/94.49  |                 |                  |
| -038        | 2X38        | 3.70/94.0 | 3.820/97.03  |                 |                  |
| -039        | 2X39        | 3.80/96.5 | 3.920/99.57  |                 |                  |
| 66928-040   | 2X40        | 3.90/99.1 | 4.020/102.11 | NO              | NOTE 5, 6        |

|             |                |    |    |                                                         |  |                                       |             |                 |  |                               |  |  |  |
|-------------|----------------|----|----|---------------------------------------------------------|--|---------------------------------------|-------------|-----------------|--|-------------------------------|--|--|--|
| mat'l. code |                |    |    | surface<br>ISO 1302 <input checked="" type="checkbox"/> |  | tolerance<br>ISO 406<br>ISO 1101      |             | projection<br>  |  | product family<br>CARD CONN   |  |  |  |
| ltr         | ecn            | no | dr | date                                                    |  | tolerances unless otherwise specified |             |                 |  | title                         |  |  |  |
| M           |                |    |    |                                                         |  | angles                                | linear      | .XX±.01/.3      |  | 2 x .100 /2.54 HORIZ.         |  |  |  |
|             |                |    |    |                                                         |  | 0'±2'                                 |             | .XXX ±.005/.13  |  | CARD CONNECTOR                |  |  |  |
|             |                |    |    |                                                         |  |                                       |             | .XXX ±.0020/.05 |  | scale 1:1                     |  |  |  |
|             |                |    |    |                                                         |  | dr                                    | J. SHREINER | 3/16/90         |  | dwg no                        |  |  |  |
|             |                |    |    |                                                         |  | enr                                   | M. HAHN     | 3/16/90         |  | sheet 3 of 6 size             |  |  |  |
|             |                |    |    |                                                         |  | chr                                   | M. HAHN     | 3/16/90         |  | 66928 A3                      |  |  |  |
|             |                |    |    |                                                         |  | appd                                  | M. HAHN     | 3/16/90         |  | type Product Customer Drawing |  |  |  |
| sheet index | revision sheet |    |    |                                                         |  |                                       |             |                 |  |                               |  |  |  |

form: A3

| PRODUCT NO.         | NO. OF POS. | DIM "A"    | DIM "B"      | INSULATION PLUG | LEAD FREE OPTION |
|---------------------|-------------|------------|--------------|-----------------|------------------|
| 66928-041           | 2X41        | 4.00/101.6 | 4.120/104.65 | NO              | NOTE 5, 6        |
| -042                | 2X42        | 4.10/104.1 | 4.220/107.19 |                 |                  |
| -043                | 2X43        | 4.20/106.6 | 4.320/109.73 |                 |                  |
| -044                | 2X44        | 4.30/109.2 | 4.420/112.27 |                 |                  |
| -045                | 2X45        | 4.40/111.8 | 4.520/114.81 |                 |                  |
| -046                | 2X46        | 4.50/114.4 | 4.620/117.35 |                 |                  |
| -047                | 2X47        | 4.60/116.8 | 4.720/119.89 |                 |                  |
| -048                | 2X48        | 4.70/119.4 | 4.820/122.43 |                 |                  |
| -049                | 2X49        | 4.80/121.9 | 4.920/124.97 |                 |                  |
| -050                | 2X50        | 4.90/124.5 | 5.020/127.51 |                 |                  |
| -051                | 2X51        | 5.00/127.0 | 5.120/130.05 |                 |                  |
| -052                | 2X52        | 5.10/129.5 | 5.220/132.59 |                 |                  |
| -053                | 2X53        | 5.20/132.1 | 5.320/135.15 |                 |                  |
| -054                | 2X54        | 5.30/134.6 | 5.420/137.67 |                 |                  |
| -055                | 2X55        | 5.40/137.2 | 5.520/140.21 |                 |                  |
| -056                | 2X56        | 5.50/139.8 | 5.620/142.76 |                 |                  |
| -057                | 2X57        | 5.60/142.2 | 5.720/145.29 |                 |                  |
| -058                | 2X58        | 5.70/144.8 | 5.820/147.83 |                 |                  |
| -059                | 2X59        | 5.80/147.3 | 5.920/150.37 |                 |                  |
| -060                | 2X60        | 5.90/149.9 | 6.020/152.91 |                 |                  |
| -061                | 2X61        | 6.00/152.4 | 6.120/155.45 |                 |                  |
| -062                | 2X62        | 6.10/154.9 | 6.220/157.99 |                 |                  |
| -063                | 2X63        | 6.20/157.5 | 6.320/160.53 |                 |                  |
| -064                | 2X64        | 6.30/160.0 | 6.420/163.07 |                 |                  |
| -065                | 2X65        | 6.40/162.6 | 6.520/165.61 | NO              | NOTE 5, 6        |
| 66928-066 THRU -100 |             |            |              |                 | OBSOLETE         |

|             |                |    |      |             |                                       |            |                               |
|-------------|----------------|----|------|-------------|---------------------------------------|------------|-------------------------------|
| mat'l. code |                |    |      | surface     | tolerance                             | projection | product family                |
| -           |                |    |      | ISO 1302 ✓  | ISO 406<br>ISO 1101                   |            | CARD CONN                     |
| ltr         | ecn            | no | dr   | date        | tolerances unless otherwise specified |            | title                         |
| M           |                |    |      |             | angles linear .XX±.01/.3              | INCH/MM    | 2 x .100 /2.54 HORIZ.         |
|             |                |    |      |             | 0'±2' .XXX ±.005/.13                  | scale 1:1  | CARD CONNECTOR                |
|             |                |    |      |             | .XXX ±.0020/.051                      |            | dwg no                        |
|             |                |    | dr   | J. SHREINER | 3/16/90                               |            | sheet 4 of 6 size             |
|             |                |    | enr  | M. HAHN     | 3/16/90                               |            | 66928 A3                      |
|             |                |    | chr  | M. HAHN     | 3/16/90                               |            |                               |
|             |                |    | appd | M. HAHN     | 3/16/90                               |            | type Product Customer Drawing |
| sheet index | revision sheet |    |      |             |                                       |            |                               |



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| PRODUCT NO. | NO. OF POS. | DIM "A"   | DIM "B"      | INSULATION PLUG | LEAD FREE OPTION |
|-------------|-------------|-----------|--------------|-----------------|------------------|
| 66928-501   | 2X1         | .00/0.0   | .120/3.05    | YES             | NOTE 5, 6        |
| -502        | 2X2         | .10/2.5   | .220/5.59    | YES             |                  |
| -503        | 2X3         | .20/5.1   | .320/8.13    | YES             |                  |
| -504        | 2X4         | .30/7.6   | .420/10.67   |                 |                  |
| -505        | 2X5         | .40/10.2  | .520/13.21   |                 |                  |
| -506        | 2X6         | .50/12.7  | .620/15.75   |                 |                  |
| -507        | 2X7         | .60/15.2  | .720/18.27   |                 |                  |
| -508        | 2X8         | .70/17.8  | .820/20.83   |                 |                  |
| -509        | 2X9         | .80/20.3  | .920/23.37   |                 |                  |
| -510        | 2X10        | .90/22.9  | 1.020/25.91  |                 |                  |
| -511        | 2X11        | 1.00/25.4 | 1.120/28.45  |                 |                  |
| -512        | 2X12        | 1.10/27.9 | 1.220/30.99  |                 |                  |
| -513        | 2X13        | 1.20/30.5 | 1.320/33.53  |                 |                  |
| -514        | 2X14        | 1.30/33.0 | 1.420/36.07  |                 |                  |
| -515        | 2X15        | 1.40/35.6 | 1.520/38.61  |                 |                  |
| -516        | 2X16        | 1.50/38.1 | 1.620/41.15  |                 |                  |
| -517        | 2X17        | 1.60/40.6 | 1.720/43.69  |                 |                  |
| -518        | 2X18        | 1.70/43.2 | 1.820/46.23  |                 |                  |
| -519        | 2X19        | 1.80/45.7 | 1.920/48.77  |                 |                  |
| -520        | 2X20        | 1.90/48.3 | 2.020/51.31  |                 |                  |
| -521        | 2X21        | 2.00/50.8 | 2.120/53.85  |                 |                  |
| -522        | 2X22        | 2.10/53.3 | 2.220/56.39  |                 |                  |
| -523        | 2X23        | 2.20/55.9 | 2.320/58.93  |                 |                  |
| -524        | 2X24        | 2.30/58.4 | 2.420/61.47  |                 |                  |
| -525        | 2X25        | 2.40/61.0 | 2.520/64.01  |                 |                  |
| -526        | 2X26        | 2.50/63.5 | 2.620/66.55  |                 |                  |
| -527        | 2X27        | 2.60/66.0 | 2.720/69.09  |                 |                  |
| -528        | 2X28        | 2.70/68.6 | 2.820/71.63  |                 |                  |
| -529        | 2X29        | 2.80/71.1 | 2.920/74.17  |                 |                  |
| -530        | 2X30        | 2.90/73.7 | 3.020/76.71  |                 |                  |
| -531        | 2X31        | 3.00/76.2 | 3.120/79.25  |                 |                  |
| -532        | 2X32        | 3.10/78.7 | 3.220/81.79  |                 |                  |
| -533        | 2X33        | 3.20/81.3 | 3.320/84.33  |                 |                  |
| -534        | 2X34        | 3.30/83.8 | 3.420/86.87  |                 |                  |
| -535        | 2X35        | 3.40/86.4 | 3.520/89.41  |                 |                  |
| -536        | 2X36        | 3.50/88.9 | 3.620/91.95  |                 |                  |
| -537        | 2X37        | 3.60/91.4 | 3.720/94.49  |                 |                  |
| -538        | 2X38        | 3.70/94.0 | 3.820/97.03  |                 |                  |
| -539        | 2X39        | 3.80/96.5 | 3.920/99.57  |                 |                  |
| 66928-540   | 2X40        | 3.90/99.6 | 4.020/102.11 | YES             | NOTE 5, 6        |

|             |                |            |      |                                       |             |            |              |                       |                          |
|-------------|----------------|------------|------|---------------------------------------|-------------|------------|--------------|-----------------------|--------------------------|
| mat'l. code |                | surface    |      | tolerance                             |             | projection |              | product family        |                          |
| -           |                | ISO 1302 ✓ |      | ISO 406<br>ISO 1101                   |             |            |              | CARD CONN             |                          |
| ltr         | ecn no         | dr         | date | tolerances unless otherwise specified |             | INCH/MM    |              | title                 |                          |
| M           |                |            |      | angles                                | linear      |            |              | 2 x .100 /2.54 HORIZ. |                          |
|             |                |            |      | 0'±2'                                 |             |            |              | CARD CONNECTOR        |                          |
|             |                |            |      | dr                                    | J. SHREINER | 3/16/90    | scale 1:1    |                       | dwg no                   |
|             |                |            |      | enr                                   | M. HAHN     | 3/16/90    | sheet 5 of 6 |                       | size                     |
|             |                |            |      | chr                                   | M. HAHN     | 3/16/90    |              |                       | A3                       |
|             |                |            |      | appd                                  | M. HAHN     | 3/16/90    | type         |                       | Product Customer Drawing |
| sheet index | revision sheet |            |      |                                       |             |            |              |                       |                          |

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| PRODUCT NO.         | NO. OF POS. | DIM "A"    | DIM "B"      | INSULATION PLUG | LEAD FREE OPTION |
|---------------------|-------------|------------|--------------|-----------------|------------------|
| 66928-541           | 2X41        | 4.00/101.6 | 4.120/104.65 | YES             | NOTE 5, 6        |
| -542                | 2X42        | 4.10/104.1 | 4.220/107.19 |                 |                  |
| -543                | 2X43        | 4.20/106.7 | 4.320/109.73 |                 |                  |
| -544                | 2X44        | 4.30/109.2 | 4.420/112.27 |                 |                  |
| -545                | 2X45        | 4.40/111.8 | 4.520/114.81 |                 |                  |
| -546                | 2X46        | 4.50/114.3 | 4.620/117.35 |                 |                  |
| -547                | 2X47        | 4.60/116.8 | 4.720/119.89 |                 |                  |
| -548                | 2X48        | 4.70/119.4 | 4.820/122.43 |                 |                  |
| -549                | 2X49        | 4.80/121.9 | 4.920/124.97 |                 |                  |
| -550                | 2X50        | 4.90/124.5 | 5.020/127.51 |                 |                  |
| -551                | 2X51        | 5.00/127.0 | 5.120/130.05 |                 |                  |
| -552                | 2X52        | 5.10/129.5 | 5.220/132.59 |                 |                  |
| -553                | 2X53        | 5.20/132.1 | 5.320/135.15 |                 |                  |
| -554                | 2X54        | 5.30/134.6 | 5.420/137.67 |                 |                  |
| -555                | 2X55        | 5.40/137.2 | 5.520/140.21 |                 |                  |
| -556                | 2X56        | 5.50/139.7 | 5.620/142.76 |                 |                  |
| -557                | 2X57        | 5.60/142.2 | 5.720/145.29 |                 |                  |
| -558                | 2X58        | 5.70/144.8 | 5.820/147.83 |                 |                  |
| -559                | 2X59        | 5.80/147.3 | 5.920/150.37 |                 |                  |
| -560                | 2X60        | 5.90/149.9 | 6.020/152.91 |                 |                  |
| -561                | 2X61        | 6.00/152.4 | 6.120/155.45 |                 |                  |
| -562                | 2X62        | 6.10/154.9 | 6.220/157.99 |                 |                  |
| -563                | 2X63        | 6.20/157.5 | 6.320/160.53 |                 |                  |
| -564                | 2X64        | 6.30/160.0 | 6.420/163.07 |                 |                  |
| -565                | 2X65        | 6.40/162.6 | 6.520/165.61 | YES             | NOTE 5, 6        |
| 66928-566 THRU -100 |             |            |              |                 |                  |
| 66928-801 & 802     |             |            |              |                 |                  |

OBSOLETE  
OBSOLETE

|             |                |    |    |            |                                       |            |                               |
|-------------|----------------|----|----|------------|---------------------------------------|------------|-------------------------------|
| mat'l. code |                |    |    | surface    | tolerance                             | projection | product family                |
| -           |                |    |    | ISO 1302 ✓ | ISO 406<br>ISO 1101                   |            | CARD CONN                     |
| ltr         | ecn            | no | dr | date       | tolerances unless otherwise specified |            | title                         |
| M           |                |    |    |            | angles linear .XX±.01/.3              | INCH/MM    | 2 x .100 /2.54 HORIZ.         |
|             |                |    |    |            | 0'±2' .XXX ±.005/.13                  | scale 1:1  | CARD CONNECTOR                |
|             |                |    |    |            | .XXXX ±.0020/.05                      |            |                               |
|             |                |    |    | dr         | J. SHREINER 3/16/90                   |            | dwg no                        |
|             |                |    |    | enr        | M. HAHN 3/16/90                       |            | sheet 6 of 6 size             |
|             |                |    |    | chr        | M. HAHN 3/16/90                       |            | 66928 A3                      |
|             |                |    |    | appd       | M. HAHN 3/16/90                       |            | type Product Customer Drawing |
| sheet index | revision sheet |    |    |            |                                       |            |                               |