

| POSITIONS/<br>CONTACTS | A         |         | B         |         |
|------------------------|-----------|---------|-----------|---------|
|                        | INCH±.008 | MM±0.20 | INCH±.020 | MM±0.50 |
| 01/02                  | N/A       | N/A     | 0.050     | 1.27    |
| 02/04                  | 0.050     | 1.27    | 0.100     | 2.54    |
| 03/06                  | 0.100     | 2.54    | 0.150     | 3.81    |
| 04/08                  | 0.150     | 3.81    | 0.200     | 5.08    |
| 05/10                  | 0.200     | 5.08    | 0.250     | 6.35    |
| 06/12                  | 0.250     | 6.35    | 0.300     | 7.62    |
| 07/14                  | 0.300     | 7.62    | 0.350     | 8.89    |
| 08/16                  | 0.350     | 8.89    | 0.400     | 10.16   |
| 09/18                  | 0.400     | 10.16   | 0.450     | 11.43   |
| 10/20                  | 0.450     | 11.43   | 0.500     | 12.70   |
| 11/21                  | 0.500     | 12.70   | 0.550     | 13.97   |
| 12/24                  | 0.550     | 13.97   | 0.600     | 15.24   |
| 13/26                  | 0.600     | 15.24   | 0.650     | 16.51   |
| 14/28                  | 0.650     | 16.51   | 0.700     | 17.78   |
| 15/30                  | 0.700     | 17.78   | 0.750     | 19.05   |
| 16/32                  | 0.750     | 19.05   | 0.800     | 20.32   |
| 17/34                  | 0.800     | 20.32   | 0.850     | 21.59   |
| 18/36                  | 0.850     | 21.59   | 0.900     | 22.86   |
| 19/38                  | 0.900     | 22.86   | 0.950     | 24.13   |
| 20/40                  | 0.950     | 24.13   | 1.000     | 25.40   |
| 21/42                  | 1.000     | 25.40   | 1.050     | 26.67   |
| 22/44                  | 1.050     | 26.67   | 1.100     | 27.94   |
| 23/46                  | 1.100     | 27.94   | 1.150     | 29.21   |
| 24/48                  | 1.150     | 29.21   | 1.200     | 30.48   |
| 25/50                  | 1.200     | 30.48   | 1.250     | 31.75   |
| 26/52                  | 1.250     | 31.75   | 1.300     | 33.02   |
| 27/54                  | 1.300     | 33.02   | 1.350     | 34.29   |
| 28/56                  | 1.350     | 34.29   | 1.400     | 35.56   |
| 29/58                  | 1.400     | 35.56   | 1.450     | 36.83   |
| 30/60                  | 1.450     | 36.83   | 1.500     | 38.10   |
| 31/62                  | 1.500     | 38.10   | 1.550     | 39.37   |
| 32/64                  | 1.550     | 39.37   | 1.600     | 40.64   |
| 33/66                  | 1.600     | 40.64   | 1.650     | 41.91   |
| 34/68                  | 1.650     | 41.91   | 1.700     | 43.18   |
| 35/70                  | 1.700     | 43.18   | 1.750     | 44.45   |
| 36/72                  | 1.750     | 44.45   | 1.800     | 45.72   |
| 37/74                  | 1.800     | 45.72   | 1.850     | 46.99   |
| 38/76                  | 1.850     | 46.99   | 1.900     | 48.26   |
| 39/78                  | 1.900     | 48.26   | 1.950     | 49.53   |
| 40/80                  | 1.950     | 49.53   | 2.000     | 50.80   |
| 41/82                  | 2.000     | 50.80   | 2.050     | 52.07   |
| 42/84                  | 2.050     | 52.07   | 2.100     | 53.34   |
| 43/86                  | 2.100     | 53.34   | 2.150     | 54.61   |
| 44/88                  | 2.150     | 54.61   | 2.200     | 55.88   |
| 45/90                  | 2.200     | 55.88   | 2.250     | 57.15   |
| 46/92                  | 2.250     | 57.15   | 2.300     | 58.42   |
| 47/94                  | 2.300     | 58.42   | 2.350     | 59.69   |
| 48/96                  | 2.350     | 59.69   | 2.400     | 60.96   |
| 49/98                  | 2.400     | 60.96   | 2.450     | 62.23   |
| 50/100                 | 2.450     | 62.23   | 2.500     | 63.50   |

- NOTES:
- INSULATOR MATERIAL: NYLON 9T.  
\*PROCESSING TEMPERATURE = 260° C FOR 10 SEC.
  - CONTACT MATERIAL: BRASS.
  - PLATING: GOLD FLASH OVERALL.
  - OPERATING TEMPERATURE: -40°C TO +105° C.
  - INSULATION RESISTANCE: 5000 MEGA OHM MIN.
  - CONTACT RESISTANCE: 20 MILLI OHM MAX.
  - DIELECTRIC WITHSTANDING: AC 500V.
  - UL FLAMMABILITY RATING: 94V-0.
  - CURRENT RATING: 1 AMP.

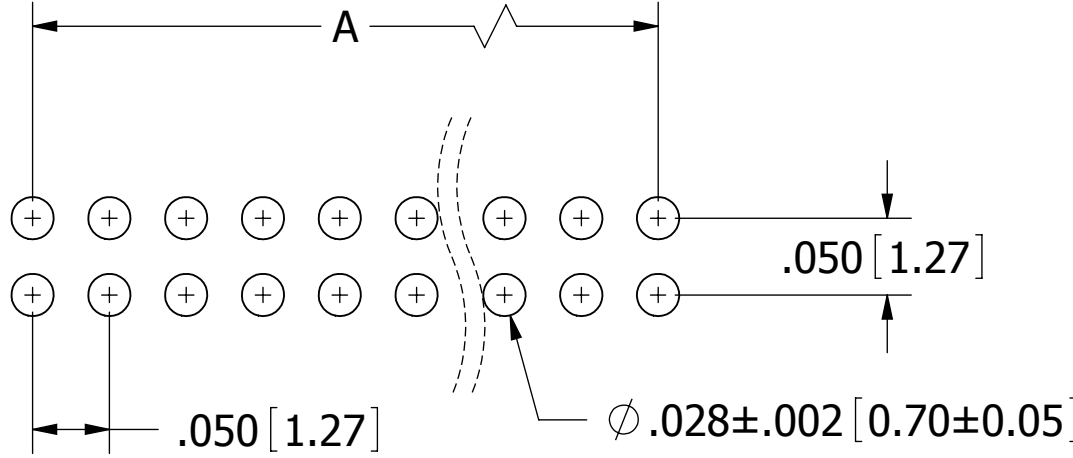
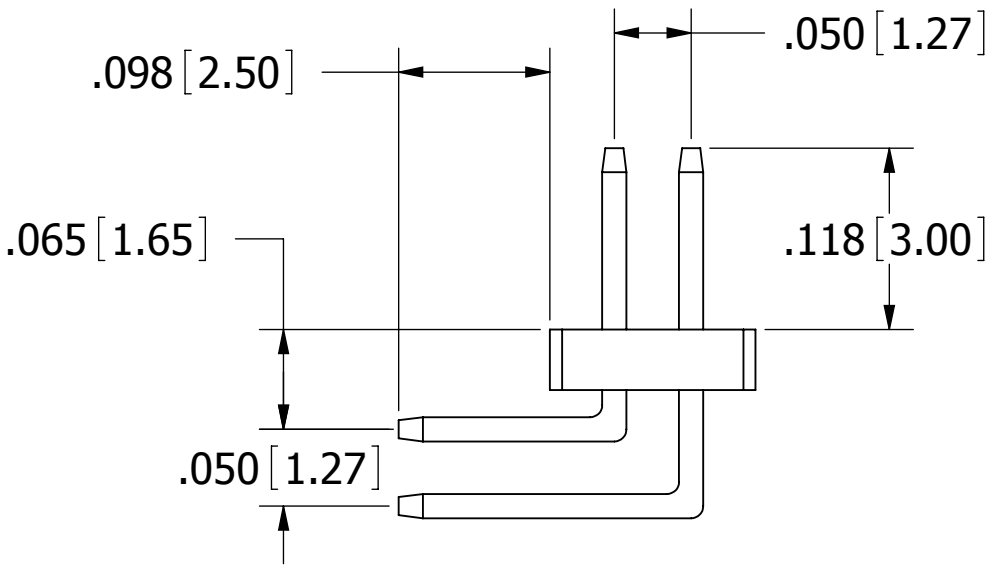
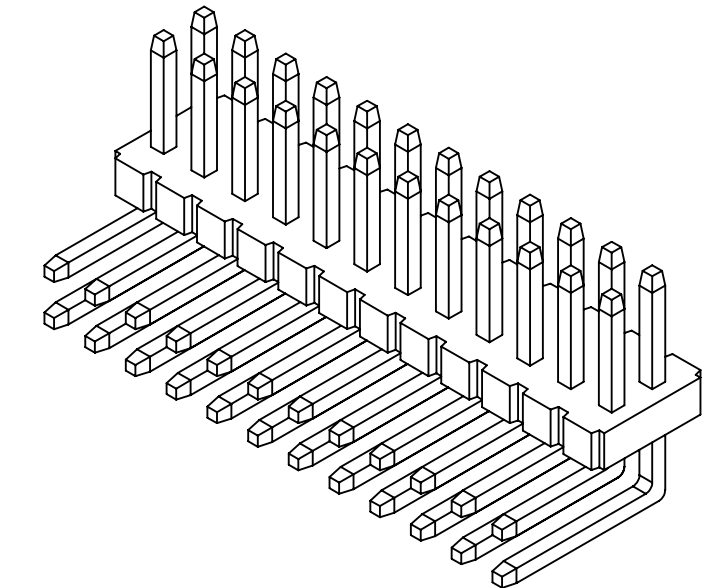
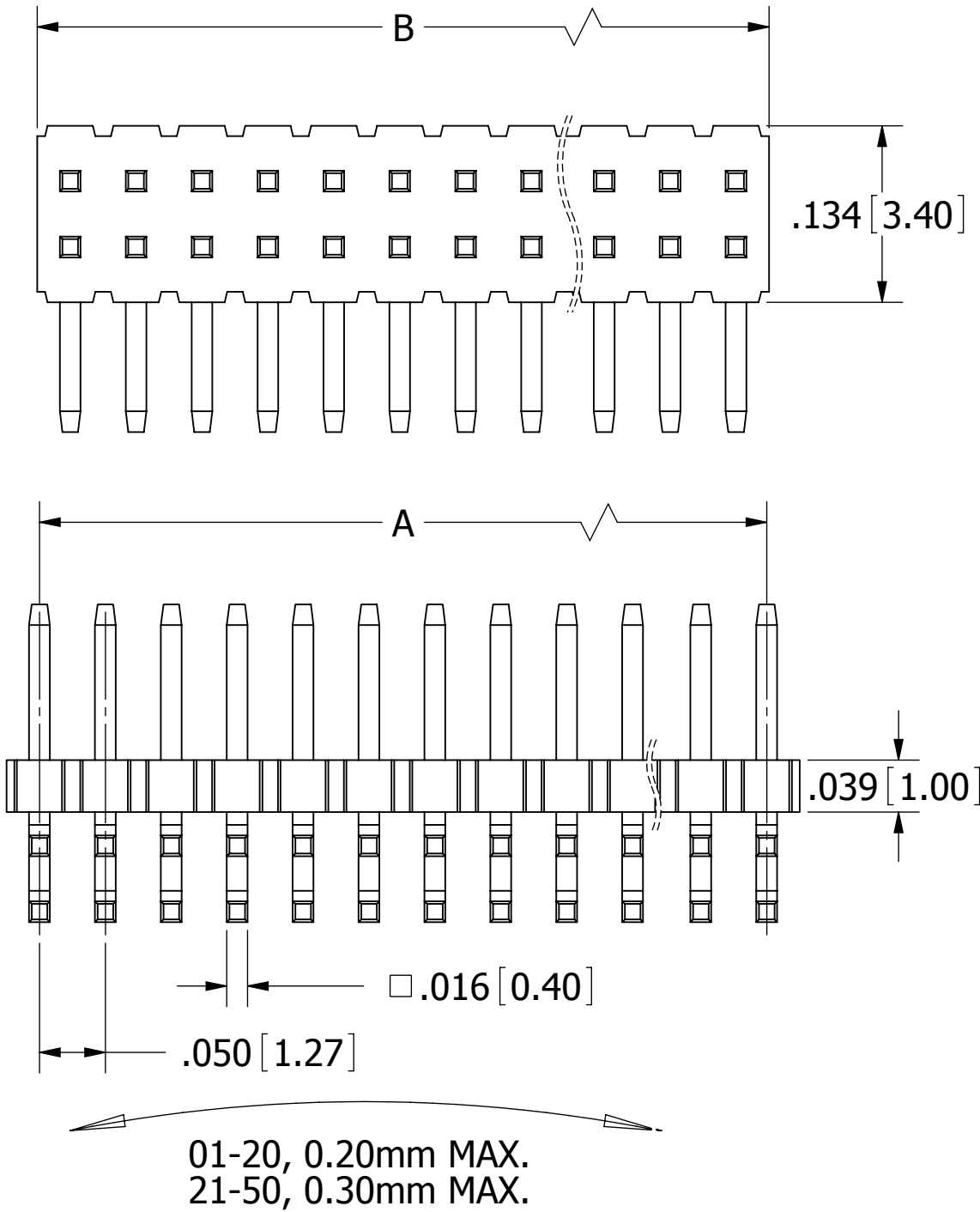
\*INDICATED TEMPERATURE AND TIME IS FOR COMPONENT INSULATOR. HIGHER PROCESSING TEMPERATURES MAY BE USED, PROVIDED HEAT IS APPLIED FROM BACK SIDE OF PCB, AND INSULATOR DOES NOT EXCEED INDICATED TEMPERATURE AND TIME.

# PART NUMBER CODING

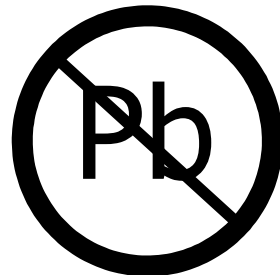
GRPB\_\_2MWCN-RC

## NUMBER OF POSITIONS

(CONTACTS PER ROW, 1 THRU 50)



RECOMMENDED PCB HOLE LAYOUT



RoHS COMPLIANT

| REVISIONS |         |                                               |          |     |
|-----------|---------|-----------------------------------------------|----------|-----|
| REV.      | ECO. NO | DESCRIPTION                                   | DATE     | BY  |
| A         | 1555    | INITIAL RELEASE                               | 12/06/07 | ASK |
| B         | 1660    | ADD TOLERANCE TO TABLE                        | 04/15/08 | ASK |
| C         | 1871    | UPDATE POSITION TABLE, TEXT & TOLERANCE BLOCK | 2/2/2009 | JH  |

|                                                                                                                                                                                                                                                                 |  |  |                                               |                        |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------------------------------|------------------------|------------|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN INCHES[MM]<br>TOLERANCES:<br>ANGULAR:<br>.XX=± .012 [.30]<br>.XXX=± .008 [.20]<br>.XXXX=± .004 [.10]<br>SURFACE FINISH: 63 Ra<br>REMOVE ALL BURRS AND SHARP EDGES .010 MAX                                     |  |  | DRAWN<br>12/08/08<br>JH                       | DATE<br>12/08/08<br>JH | NAME<br>JH |
| THE INFORMATION HEREIN CONTAINS<br>PROPRIETARY INFORMATION OF<br>SULLINS ELECTRONICS AND IS NOT<br>TO BE REPRODUCED, USED OR<br>DISCLOSED TO OTHERS FOR ANY<br>PURPOSE EXCEPT AS SPECIFICALLY<br>AUTHORIZED IN WRITING BY AN<br>OFFICER OF SULLINS ELECTRONICS. |  |  |                                               |                        |            |
| INTERPRET DIMENSIONS AND GEOMETRIC<br>TOLERANCING<br>PER: ANSI Y14.5M-1994                                                                                                                                                                                      |  |  | DESCRIPTION<br>.050" DUAL ROW MALE HEADER, RA |                        |            |
|                                                                                                                                                                                                                                                                 |  |  | PART NUMBER<br>GRPB__2MWCN-RC-RC              |                        |            |
|                                                                                                                                                                                                                                                                 |  |  | SIZE<br>C                                     | DWG. NO.<br>11020      | REV<br>C   |
|                                                                                                                                                                                                                                                                 |  |  | SCALE: 8:1 SHEET 1 OF 1                       |                        |            |