

| POSITIONS/<br>CONTACTS | A         |         | B         |         |
|------------------------|-----------|---------|-----------|---------|
|                        | INCH±.008 | MM±0.20 | INCH±.012 | MM±0.30 |
| 02/02                  | 0.050     | 1.27    | 0.100     | 2.54    |
| 03/03                  | 0.100     | 2.54    | 0.150     | 3.81    |
| 04/04                  | 0.150     | 3.81    | 0.200     | 5.08    |
| 05/05                  | 0.200     | 5.08    | 0.250     | 6.35    |
| 06/06                  | 0.250     | 6.35    | 0.300     | 7.62    |
| 07/07                  | 0.300     | 7.62    | 0.350     | 8.89    |
| 08/08                  | 0.350     | 8.89    | 0.400     | 10.16   |
| 09/09                  | 0.400     | 10.16   | 0.450     | 11.43   |
| 10/10                  | 0.450     | 11.43   | 0.500     | 12.70   |
| 11/11                  | 0.500     | 12.70   | 0.550     | 13.97   |
| 12/12                  | 0.550     | 13.97   | 0.600     | 15.24   |
| 13/13                  | 0.600     | 15.24   | 0.650     | 16.51   |
| 14/14                  | 0.650     | 16.51   | 0.700     | 17.78   |
| 15/15                  | 0.700     | 17.78   | 0.750     | 19.05   |
| 16/16                  | 0.750     | 19.05   | 0.800     | 20.32   |
| 17/17                  | 0.800     | 20.32   | 0.850     | 21.59   |
| 18/18                  | 0.850     | 21.59   | 0.900     | 22.86   |
| 19/19                  | 0.900     | 22.86   | 0.950     | 24.13   |
| 20/20                  | 0.950     | 24.13   | 1.000     | 25.40   |
| 21/21                  | 1.000     | 25.40   | 1.050     | 26.67   |
| 22/22                  | 1.050     | 26.67   | 1.100     | 27.94   |
| 23/23                  | 1.100     | 27.94   | 1.150     | 29.21   |
| 24/24                  | 1.150     | 29.21   | 1.200     | 30.48   |
| 25/25                  | 1.200     | 30.48   | 1.250     | 31.75   |
| 26/26                  | 1.250     | 31.75   | 1.300     | 33.02   |
| 27/27                  | 1.300     | 33.02   | 1.350     | 34.29   |
| 28/28                  | 1.350     | 34.29   | 1.400     | 35.56   |
| 29/29                  | 1.400     | 35.56   | 1.450     | 36.83   |
| 30/30                  | 1.450     | 36.83   | 1.500     | 38.10   |
| 31/31                  | 1.500     | 38.10   | 1.550     | 39.37   |
| 32/32                  | 1.550     | 39.37   | 1.600     | 40.64   |
| 33/33                  | 1.600     | 40.64   | 1.650     | 41.91   |
| 34/34                  | 1.650     | 41.91   | 1.700     | 43.18   |
| 35/35                  | 1.700     | 43.18   | 1.750     | 44.45   |
| 36/36                  | 1.750     | 44.45   | 1.800     | 45.72   |
| 37/37                  | 1.800     | 45.72   | 1.850     | 46.99   |
| 38/38                  | 1.850     | 46.99   | 1.900     | 48.26   |
| 39/39                  | 1.900     | 48.26   | 1.950     | 49.53   |
| 40/40                  | 1.950     | 49.53   | 2.000     | 50.80   |
| 41/41                  | 2.000     | 50.80   | 2.050     | 52.07   |
| 42/42                  | 2.050     | 52.07   | 2.100     | 53.34   |
| 43/43                  | 2.100     | 53.34   | 2.150     | 54.61   |
| 44/44                  | 2.150     | 54.61   | 2.200     | 55.88   |
| 45/45                  | 2.200     | 55.88   | 2.250     | 57.15   |
| 46/46                  | 2.250     | 57.15   | 2.300     | 58.42   |
| 47/47                  | 2.300     | 58.42   | 2.350     | 59.69   |
| 48/48                  | 2.350     | 59.69   | 2.400     | 60.96   |
| 49/49                  | 2.400     | 60.96   | 2.450     | 62.23   |
| 50/50                  | 2.450     | 62.23   | 2.500     | 63.50   |

- NOTES:
- INSULATOR MATERIAL: NYLON 9T, UL 94V-0, COLOR: BLACK  
\*PROCESSING TEMPERATURE: 260°C FOR 10 SECONDS
  - CONTACT MATERIAL: BRASS
  - PLATING: .000030"-.000050" NICKEL UNDERPLATE, GOLD FLASH OVERALL
  - OPERATING TEMPERATURE: -40°C TO +105°C
  - INSULATION RESISTANCE: 5000 MEGA OHM MIN
  - CONTACT RESISTANCE: 20 MILLI OHM MAX
  - DIELECTRIC WITHSTANDING: 500 VAC
  - 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

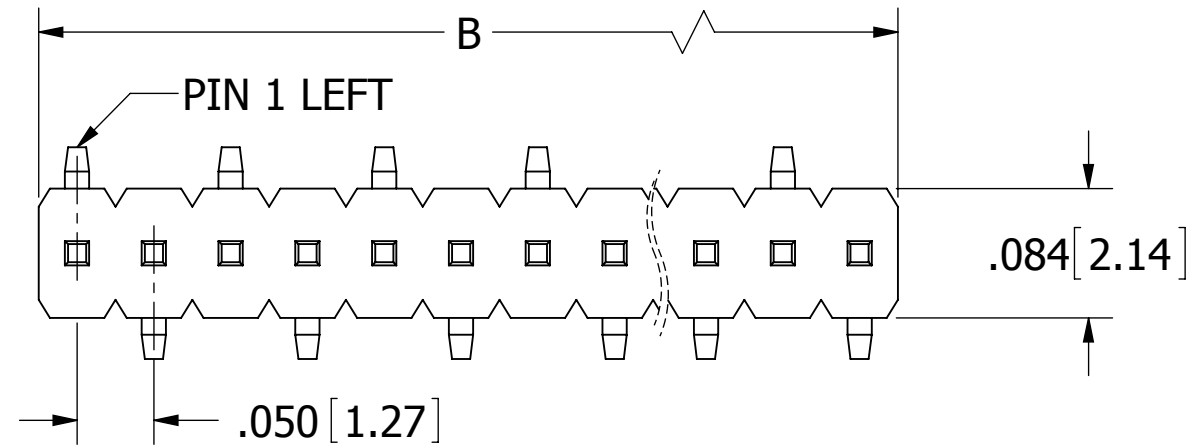
GRPB\_ \_1VWT\_ -RC

### TERMINATION TYPES

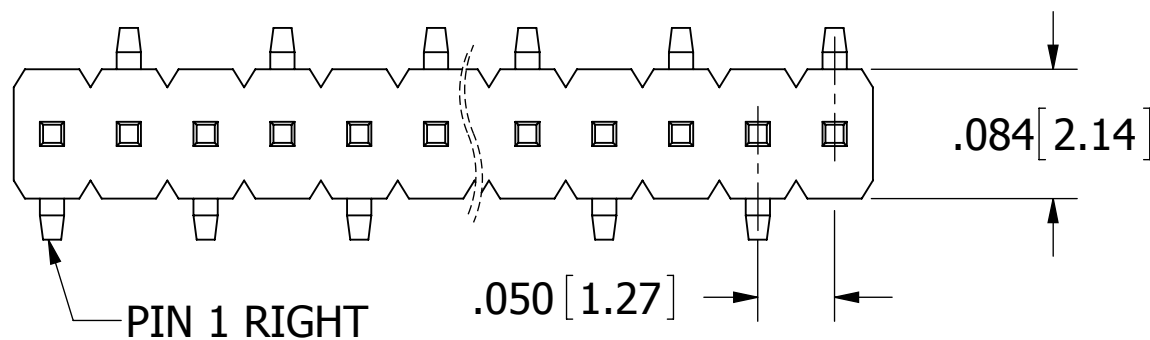
- C - SMT, SINGLE ROW MALE,  
PIN 1 LEFT (STANDARD)  
D - SMT, SINGLE ROW MALE,  
PIN 1 RIGHT (OPPOSITE BEND)

### NUMBER OF POSITIONS

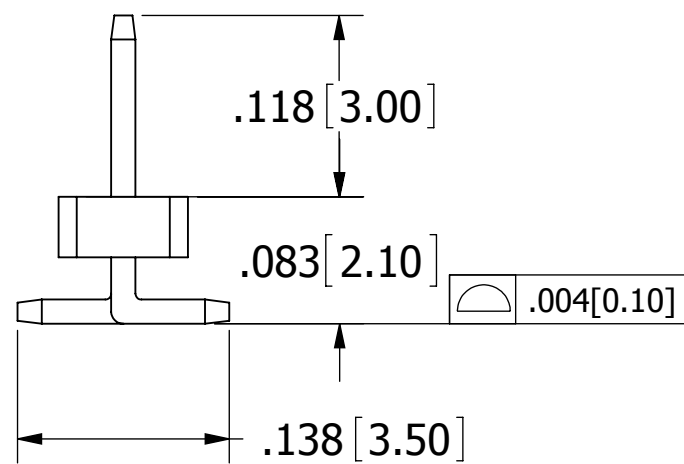
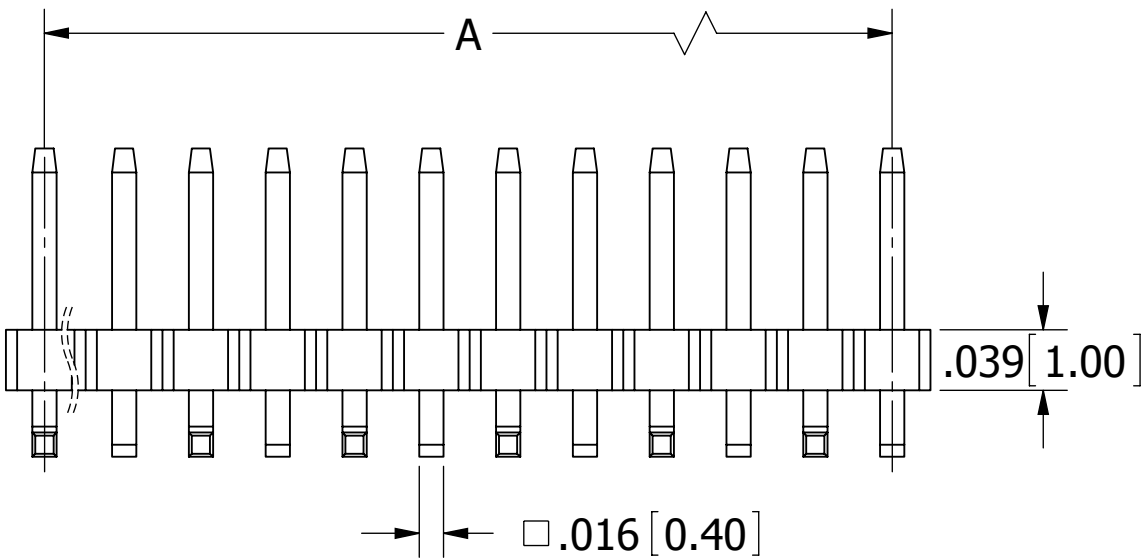
(CONTACTS PER ROW, 02 THRU 50)



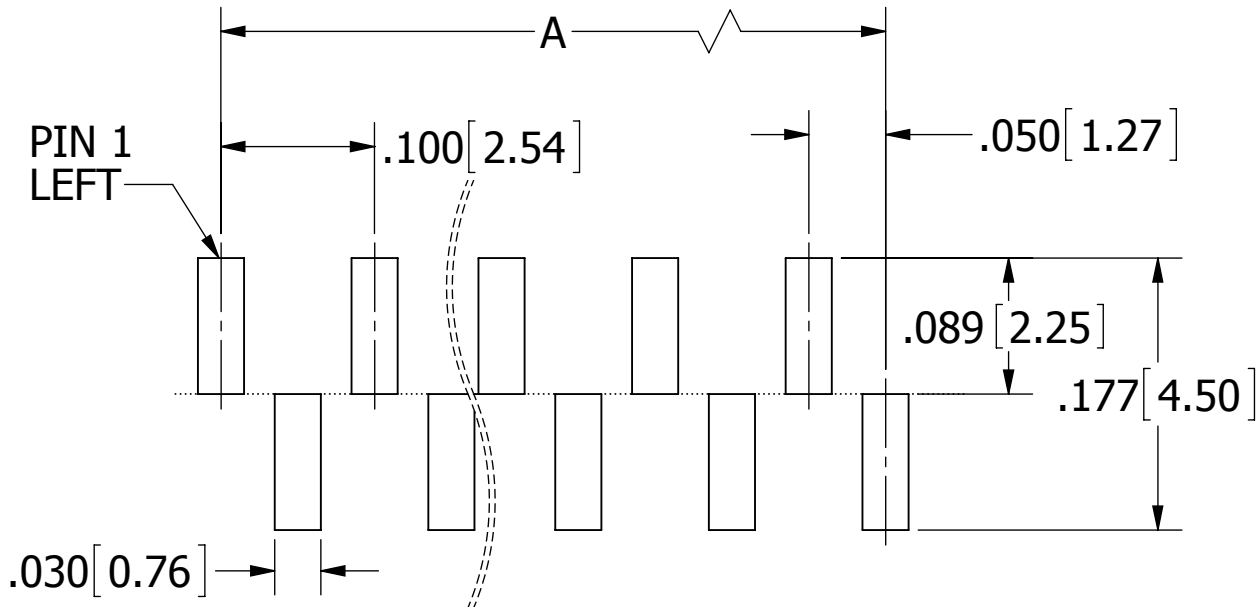
GRPB\_1VWTC-RC  
(STANDARD)



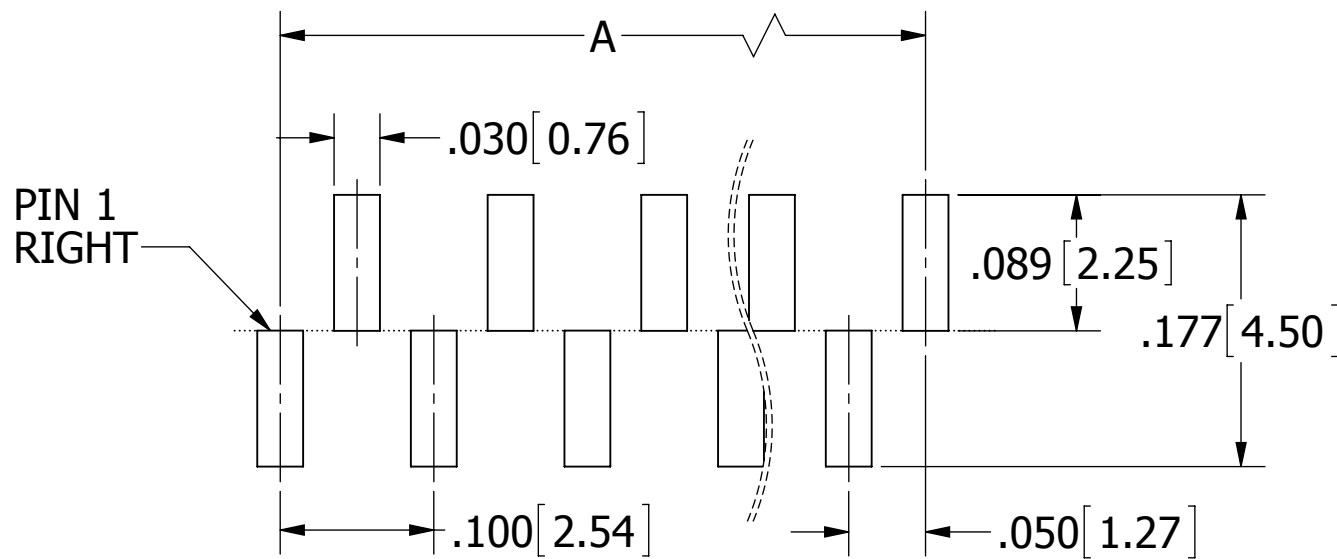
GRPB\_1VWTD-RC  
(OPPOSITE BEND, ONLY APPLICABLE ON EVEN PIN COUNTS)



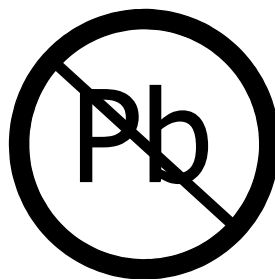
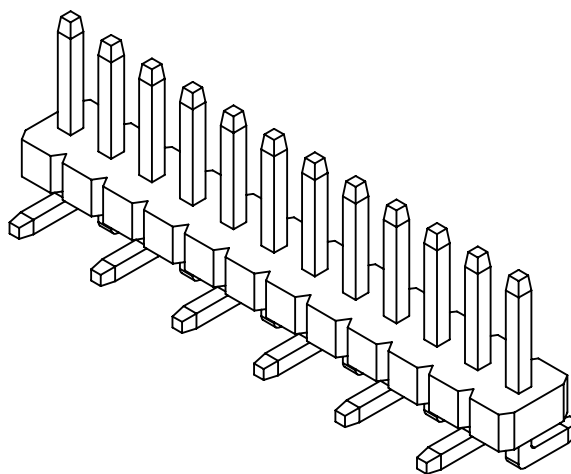
| REVISIONS |         |                                                                                                 |            |    |
|-----------|---------|-------------------------------------------------------------------------------------------------|------------|----|
| REV.      | ECO. NO | DESCRIPTION                                                                                     | DATE       | BY |
| E         | 1811    | UPDATE POSITION NO.                                                                             | 2/16/2009  | JH |
| F         | 3087    | UPDATE 'B' TOLERANCE ON DIMENSION TABLE AND PCB LAYOUT DRAWING, ADD GEOMETRIC TOLERANCE ON TAIL | 10/31/2014 | LH |



RECOMMENDED PCB LAYOUT  
GRPB\_1VWTC-RC



RECOMMENDED PCB LAYOUT  
GRPB\_1VWTD-RC



RoHS COMPLIANT

|                                                                                                                        |  |                                                                                                                                                                                                                                            |          |            |                                            |                   |
|------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|--------------------------------------------|-------------------|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN INCHES [MM]                                                           |  | DRAWN                                                                                                                                                                                                                                      | DATE     | NAME       |                                            |                   |
|                                                                                                                        |  |                                                                                                                                                                                                                                            | 08/13/07 | RAH        |                                            |                   |
| TOLERANCES:<br><br>ANGULAR: ± 1°<br><br>DECIMALS<br>.XX= ± .012 [0.3]<br>.XXX= ± .008 [0.20]<br>.XXXX= ± .0040 [0.100] |  | THE INFORMATION HEREIN CONTAINS PROPRIETARY INFORMATION OF SULLINS ELECTRONICS AND IS NOT TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY AN OFFICER OF SULLINS ELECTRONICS. |          |            | TITLE<br>.050" SINGLE ROW MALE HEADER, SMT |                   |
|                                                                                                                        |  |                                                                                                                                                                                                                                            |          |            | PART NUMBER<br>GRPB_ _1VWT_ -RC            |                   |
|                                                                                                                        |  |                                                                                                                                                                                                                                            |          | SIZE<br>C  | CAGE CODE<br>54453                         | DWG. NO.<br>10962 |
|                                                                                                                        |  |                                                                                                                                                                                                                                            |          | SCALE: 8:1 | SHEET 1 OF 1                               |                   |
|                                                                                                                        |  |                                                                                                                                                                                                                                            |          | REV<br>F   |                                            |                   |