

| POSITIONS/<br>CONTACTS | A         |         | B         |         |
|------------------------|-----------|---------|-----------|---------|
|                        | INCH±.008 | MM±0.20 | INCH±.020 | MM±0.50 |
| 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.  
\*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.

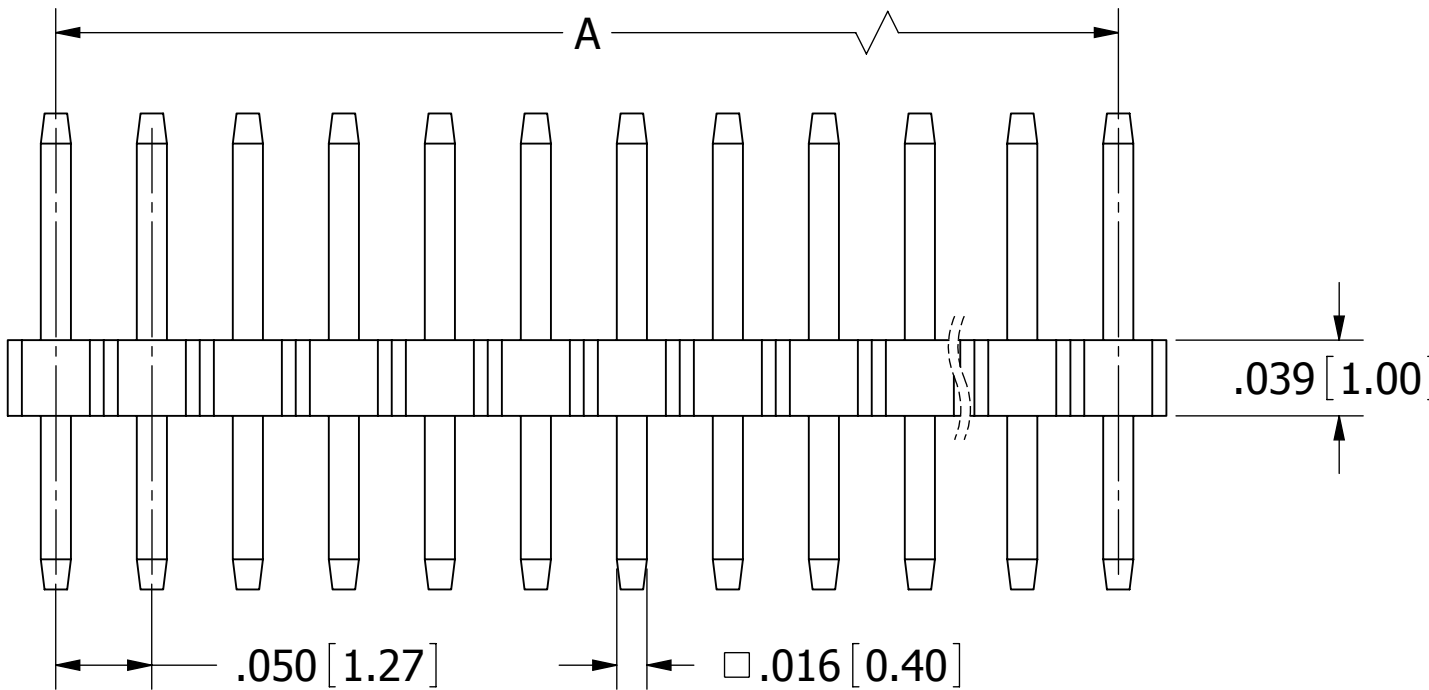
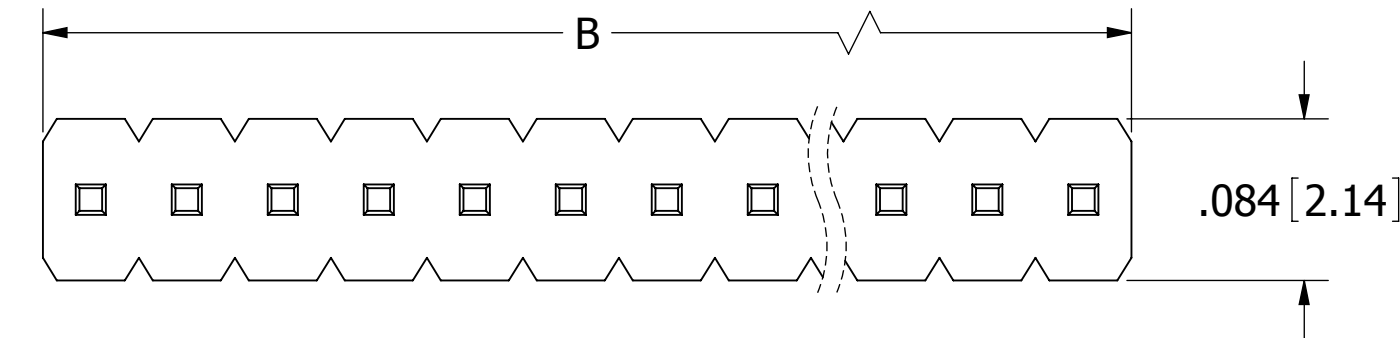
\*INDICATED TEMPERATURE AND TIME IS FOR COMPONENT INSULATOR. HIGHER PROCESSING TEMPERATURES MAY BE USED, PROVIDED HEAT IS APPLIED FROM BACK SIDE OF PCB, AND INSULATOR DOES NOT EXCEED INDICATED TEMPERATURE AND TIME.

## PART NUMBER CODING

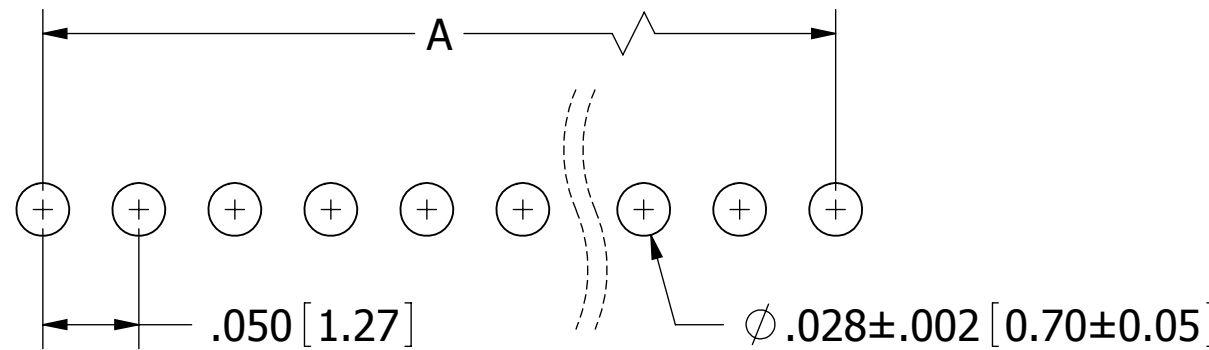
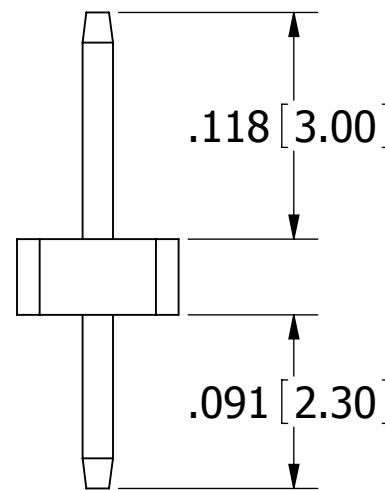
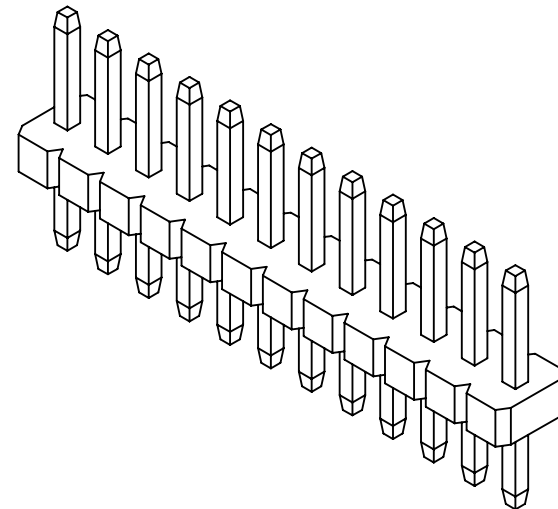
### GRPB\_\_1VWVN-RC

#### NUMBER OF POSITIONS

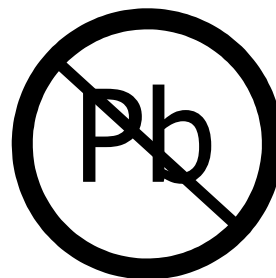
(CONTACTS PER ROW, 2 THRU 50)



02-20, 0.20mm MAX.  
21-50, 0.30mm MAX.



RECOMMENDED PCB HOLE LAYOUT



RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES[MM]

TOLERANCES:

ANGULAR:

.XX=± .012 [.30]

.XXX=± .008 [.20]

.XXXX=± .004 [.10]

SURFACE FINISH: 63 Ra

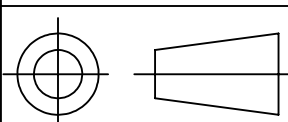
REMOVE ALL BURRS AND SHARP EDGES .010 MAX

INTERPRET DIMENSIONS AND GEOMETRIC

TOLERANCING PER: ANSI Y14.5M-1994

DRAWN 12/08/08 JH

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DATE NAME

DESCRIPTION

.050" SINGLE ROW MALE HEADER, ST

PART NUMBER

GRPB\_\_1VWVN-RC

SIZE DWG. NO.

C 10957

SCALE: 8:1

SHEET 1 OF 1