

PART NUMBER CODING

INSULATOR / CONTACT MATERIAL

PR= PBT / BRASS  
OPERATING TEMPERATURE: -40° C TO +105° C.  
PROCESSING TEMP: 245°C ± 5°C FOR 3~5 SECS MAX.

NR= NYLON 6T / BRASS  
OPERATING TEMPERATURE: -40° C TO +105° C.  
PROCESSING TEMP: 230°C FOR 60 SECS MAX.  
(260°C FOR 10 SECS MAX.)

GR= NYLON 9T / BRASS  
OPERATING TEMPERATURE: -40° C TO +105° C.  
PROCESSING TEMP: 230°C FOR 60 SECS MAX.  
(260°C FOR 10 SECS MAX.)

TERMINATION TYPE

NUMBER OF POSITIONS  
(CONTACTS PER ROW, 002 THRU 040)

PLATING

(ALL PLATINGS HAVE .000030"~.000050" MIN NICKEL UNDERPLATE)  
CONTACT SURFACE TERMINATION  
B = .000010" GOLD .000100" PURE TIN, MATTE  
C = .000030" GOLD .000100" PURE TIN, MATTE  
E = TIN OVERALL  
P = GOLD FLASH OVERALL

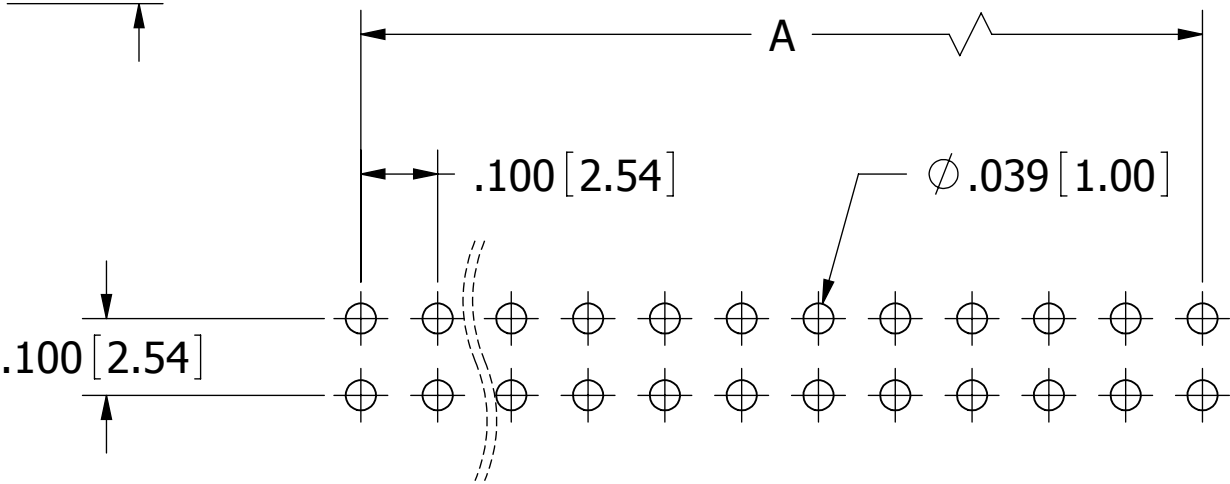
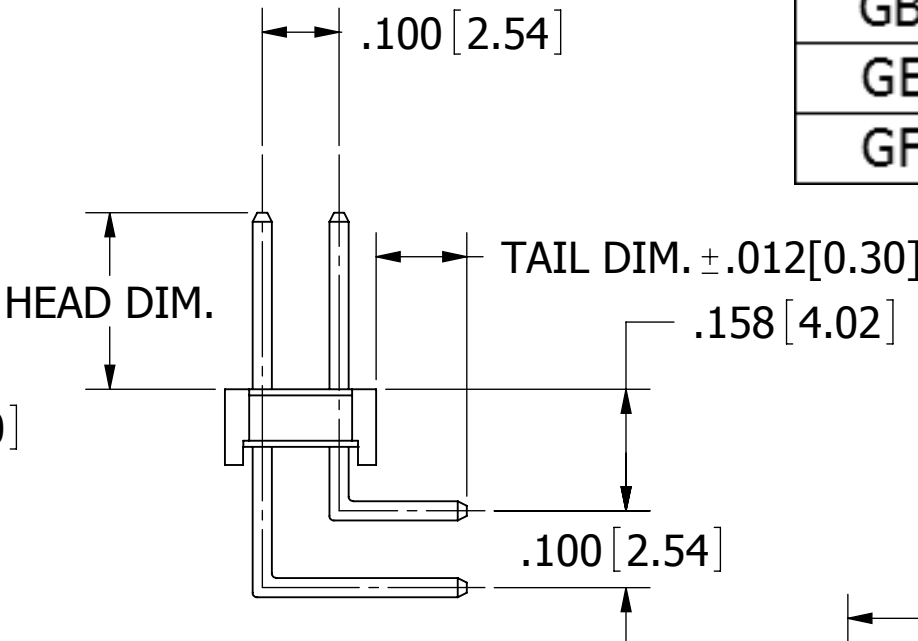
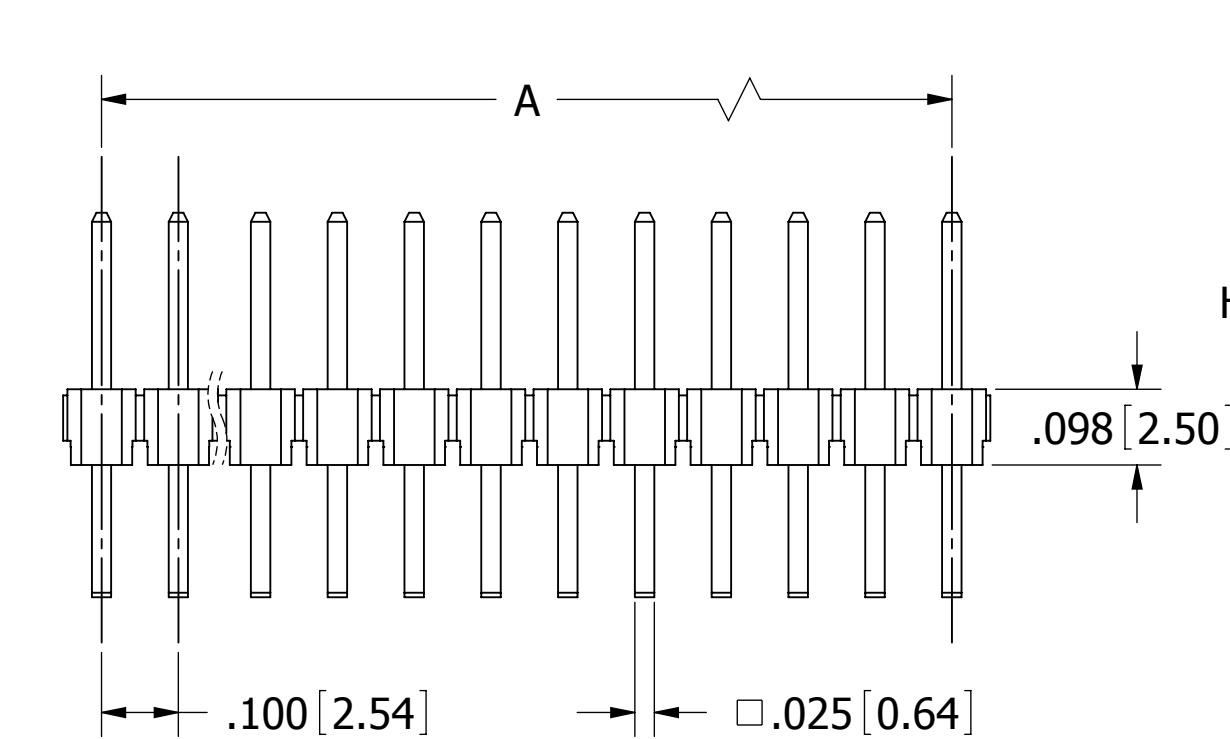
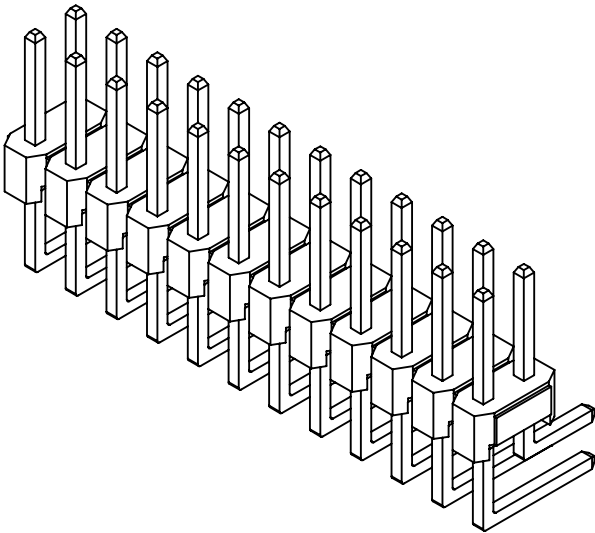
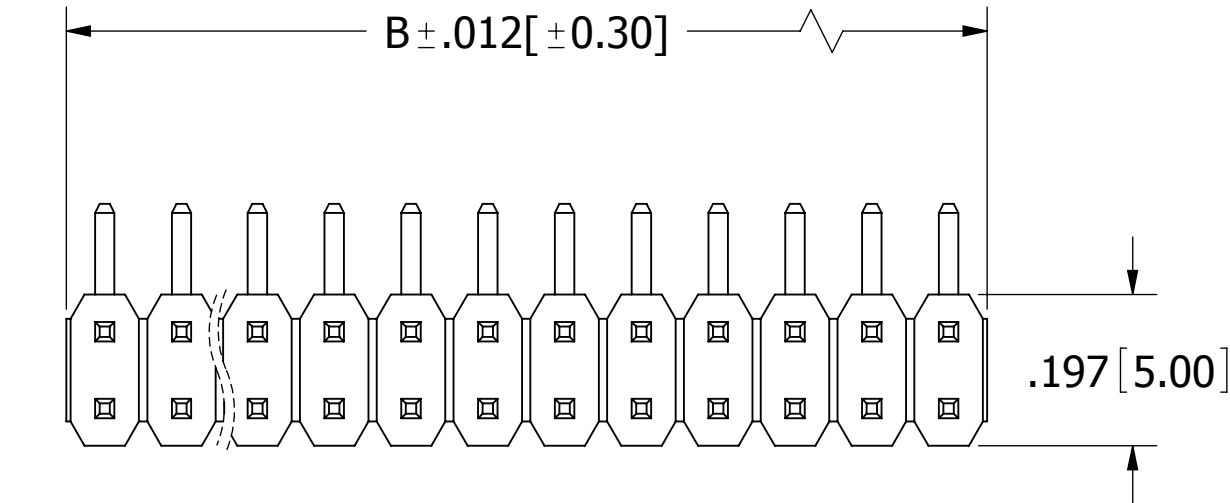
REVISIONS

| REV. | ECO. NO | DESCRIPTION            | DATE       | BY |
|------|---------|------------------------|------------|----|
| A    | 2268    | INITIAL RELEASE        | 03/21/2011 | LH |
| B    | 2422    | ADD 'P' PLATING OPTION | 08/09/2011 | GC |

TERMINATION TYPE

| CODE | HEAD DIM |      | TAIL DIM |       |
|------|----------|------|----------|-------|
|      | INCH     | MM   | INCH     | MM    |
| BA   | 0.230    | 5.84 | 0.120    | 3.05  |
| BB   | 0.230    | 5.84 | 0.220    | 5.59  |
| BC   | 0.230    | 5.84 | 0.320    | 8.13  |
| BD   | 0.230    | 5.84 | 0.420    | 10.67 |
| BE   | 0.230    | 5.84 | 0.520    | 13.21 |
| BH   | 0.230    | 5.84 | 0.820    | 20.83 |
| BI   | 0.230    | 5.84 | 0.920    | 23.37 |
| BJ   | 0.230    | 5.84 | 1.020    | 25.91 |
| GA   | 0.318    | 8.08 | 0.120    | 3.05  |
| GB   | 0.318    | 8.08 | 0.220    | 5.59  |
| GE   | 0.318    | 8.08 | 0.620    | 15.75 |
| GF   | 0.318    | 8.08 | 0.820    | 20.83 |

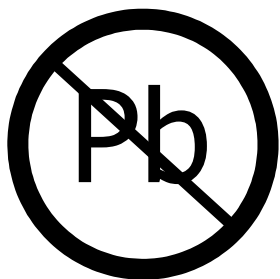
| PART NUMBER      | A     |       | B     |        |
|------------------|-------|-------|-------|--------|
|                  | INCH  | MM    | INCH  | MM     |
| __C002D__N-M71RC | 0.100 | 2.54  | 0.200 | 5.08   |
| __C003D__N-M71RC | 0.200 | 5.08  | 0.300 | 7.62   |
| __C004D__N-M71RC | 0.300 | 7.62  | 0.400 | 10.16  |
| __C005D__N-M71RC | 0.400 | 10.16 | 0.500 | 12.70  |
| __C006D__N-M71RC | 0.500 | 12.70 | 0.600 | 15.24  |
| __C007D__N-M71RC | 0.600 | 15.24 | 0.700 | 17.78  |
| __C008D__N-M71RC | 0.700 | 17.78 | 0.800 | 20.32  |
| __C009D__N-M71RC | 0.800 | 20.32 | 0.900 | 22.86  |
| __C010D__N-M71RC | 0.900 | 22.86 | 1.000 | 25.40  |
| __C011D__N-M71RC | 1.000 | 25.40 | 1.100 | 27.94  |
| __C012D__N-M71RC | 1.100 | 27.94 | 1.200 | 30.48  |
| __C013D__N-M71RC | 1.200 | 30.48 | 1.300 | 33.02  |
| __C014D__N-M71RC | 1.300 | 33.02 | 1.400 | 35.56  |
| __C015D__N-M71RC | 1.400 | 35.56 | 1.500 | 38.10  |
| __C016D__N-M71RC | 1.500 | 38.10 | 1.600 | 40.64  |
| __C017D__N-M71RC | 1.600 | 40.64 | 1.700 | 43.18  |
| __C018D__N-M71RC | 1.700 | 43.18 | 1.800 | 45.72  |
| __C019D__N-M71RC | 1.800 | 45.72 | 1.900 | 48.26  |
| __C020D__N-M71RC | 1.900 | 48.26 | 2.000 | 50.80  |
| __C021D__N-M71RC | 2.000 | 50.80 | 2.100 | 53.34  |
| __C022D__N-M71RC | 2.100 | 53.34 | 2.200 | 55.88  |
| __C023D__N-M71RC | 2.200 | 55.88 | 2.300 | 58.42  |
| __C024D__N-M71RC | 2.300 | 58.42 | 2.400 | 60.96  |
| __C025D__N-M71RC | 2.400 | 60.96 | 2.500 | 63.50  |
| __C026D__N-M71RC | 2.500 | 63.50 | 2.600 | 66.04  |
| __C027D__N-M71RC | 2.600 | 66.04 | 2.700 | 68.58  |
| __C028D__N-M71RC | 2.700 | 68.58 | 2.800 | 71.12  |
| __C029D__N-M71RC | 2.800 | 71.12 | 2.900 | 73.66  |
| __C030D__N-M71RC | 2.900 | 73.66 | 3.000 | 76.20  |
| __C031D__N-M71RC | 3.000 | 76.20 | 3.100 | 78.74  |
| __C032D__N-M71RC | 3.100 | 78.74 | 3.200 | 81.28  |
| __C033D__N-M71RC | 3.200 | 81.28 | 3.300 | 83.82  |
| __C034D__N-M71RC | 3.300 | 83.82 | 3.400 | 86.36  |
| __C035D__N-M71RC | 3.400 | 86.36 | 3.500 | 88.90  |
| __C036D__N-M71RC | 3.500 | 88.90 | 3.600 | 91.44  |
| __C037D__N-M71RC | 3.600 | 91.44 | 3.700 | 93.98  |
| __C038D__N-M71RC | 3.700 | 93.98 | 3.800 | 96.52  |
| __C039D__N-M71RC | 3.800 | 96.52 | 3.900 | 99.06  |
| __C040D__N-M71RC | 3.900 | 99.06 | 4.000 | 101.60 |



RECOMMENDED PCB LAYOUT

- NOTES:
1. INSULATOR MATERIAL: SEE PART NUMBER CODING, UL 94V-0, BLACK.
  2. CONTACT MATERIAL: SEE PAART NUMBER CODING.
  3. CONTACT PLATING: SEE PART NUMBER CODING.
  4. CURRENT RATING: 3 AMPS PER CONTACT.
  5. INSULATOR RESISTANCE: 5000 MEGOHMS MIN.
  6. CONTACT RESISTANCE: 20 MILLIOHMS MAX.
  7. DIELECTRIC WITHSTANDING: 1000 VAC.
  8. OPERATING TEMPERATURE: SEE PART NUMBER CODING.
  9. \*PROCESSING TEMP.: SEE PART NUMBER CODING.

\*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.



RoHS COMPLIANT

|                                                                                          |  |                                                                                                                                                                                                                                                                 |            |      |                                                |                    |
|------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|------------------------------------------------|--------------------|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN INCHES [MM]                             |  | DRAWN                                                                                                                                                                                                                                                           | DATE       | NAME |                                                |                    |
| TOLERANCES: ANGULAR:<br>.XX= ± .012 [.30]<br>.XXX= ± .008 [.20]<br>.XXXX= ± .0040 [.100] |  |                                                                                                                                                                                                                                                                 | 03/21/2011 | LH   |                                                |                    |
| INTERPRET DIMENSIONS AND<br>TOLERANCING<br>PER: ASME Y14.5M-2009                         |  | 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. |            |      | TITLE<br>HEADER .100"[2.54mm]PITCH, 2 ROWS, RA |                    |
|                                                                                          |  |                                                                                                                                                                                                                                                                 |            |      | PART NUMBER<br>__R__C__-D__N-M71RC             |                    |
|                                                                                          |  |                                                                                                                                                                                                                                                                 |            |      | SIZE<br>C                                      | CAGE CODE<br>54453 |
|                                                                                          |  |                                                                                                                                                                                                                                                                 |            |      | DWG. NO.<br>11639                              | REV<br>B           |
|                                                                                          |  |                                                                                                                                                                                                                                                                 |            |      | SCALE: 4:1                                     |                    |
|                                                                                          |  |                                                                                                                                                                                                                                                                 |            |      | SHEET 1 OF 1                                   |                    |