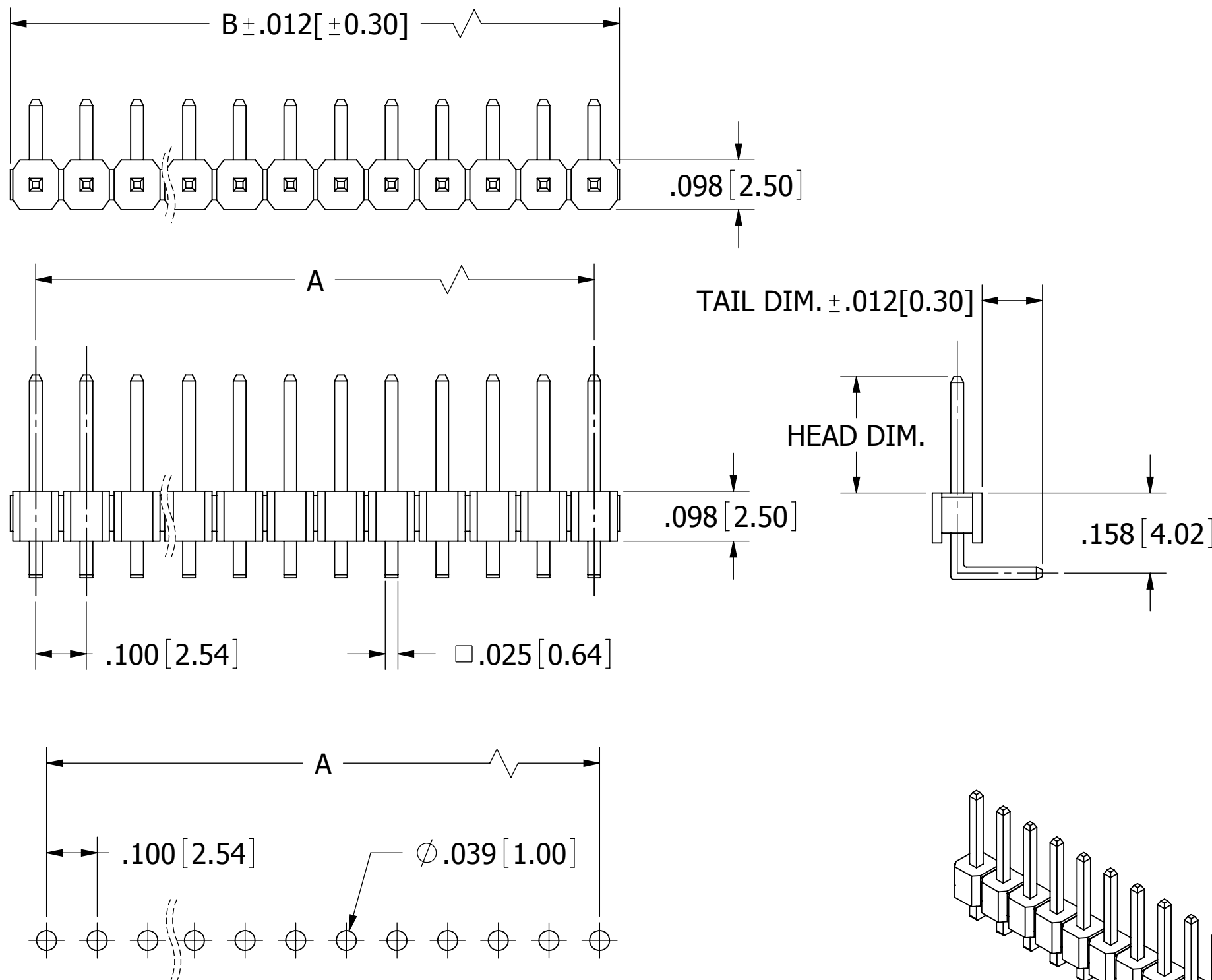


**PART NUMBER CODING**  
**INSULATOR / CONTACT MATERIAL**  
PR = PBT / BRASS  
OPERATING TEMPERATURE: -40° C TO +105° C.  
PROCESSING TEMP: 245°C ±5°C FOR 3~5 SECS MAX.  
NR = NYLON 6T / BRASS  
OPERATING TEMPERATURE: -40° C TO +105° C.  
PROCESSING TEMP: 230°C FOR 60 SECS MAX.  
(260°C FOR 10 SECS MAX.)  
**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 | 08/08/2011 | GC |

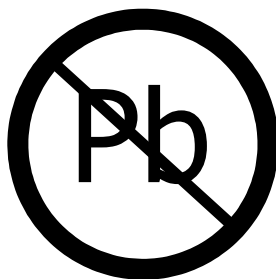


**RECOMMENDED PCB LAYOUT**

- NOTES:
1. INSULATOR MATERIAL: SEE PART NUMBER CODING, UL 94V-0, BLACK.
  2. CONTACT MATERIAL: SEE PART 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.

| TERMINATION TYPE |          |      |          |       | PART NUMBER      | A     |       | B     |        |
|------------------|----------|------|----------|-------|------------------|-------|-------|-------|--------|
| CODE             | HEAD DIM |      | TAIL DIM |       |                  | INCH  | MM    | INCH  | MM     |
|                  | INCH     | MM   | INCH     | MM    |                  |       |       |       |        |
| BA               | 0.230    | 5.84 | 0.120    | 3.05  | __C002S__N-M71RC | 0.100 | 2.54  | 0.200 | 5.08   |
| BB               | 0.230    | 5.84 | 0.220    | 5.59  | __C003S__N-M71RC | 0.200 | 5.08  | 0.300 | 7.62   |
| BC               | 0.230    | 5.84 | 0.320    | 8.13  | __C004S__N-M71RC | 0.300 | 7.62  | 0.400 | 10.16  |
| BD               | 0.230    | 5.84 | 0.420    | 10.67 | __C005S__N-M71RC | 0.400 | 10.16 | 0.500 | 12.70  |
| BE               | 0.230    | 5.84 | 0.520    | 13.21 | __C006S__N-M71RC | 0.500 | 12.70 | 0.600 | 15.24  |
| BF               | 0.230    | 5.84 | 0.620    | 15.75 | __C007S__N-M71RC | 0.600 | 15.24 | 0.700 | 17.78  |
| BG               | 0.230    | 5.84 | 0.720    | 18.29 | __C008S__N-M71RC | 0.700 | 17.78 | 0.800 | 20.32  |
| BH               | 0.230    | 5.84 | 0.820    | 20.83 | __C009S__N-M71RC | 0.800 | 20.32 | 0.900 | 22.86  |
| BI               | 0.230    | 5.84 | 0.920    | 23.37 | __C010S__N-M71RC | 0.900 | 22.86 | 1.000 | 25.40  |
| BJ               | 0.230    | 5.84 | 1.020    | 25.91 | __C011S__N-M71RC | 1.000 | 25.40 | 1.100 | 27.94  |
|                  |          |      |          |       | __C012S__N-M71RC | 1.100 | 27.94 | 1.200 | 30.48  |
| GA               | 0.318    | 8.08 | 0.120    | 3.05  | __C013S__N-M71RC | 1.200 | 30.48 | 1.300 | 33.02  |
| GB               | 0.318    | 8.08 | 0.220    | 5.59  | __C014S__N-M71RC | 1.300 | 33.02 | 1.400 | 35.56  |
| GC               | 0.318    | 8.08 | 0.320    | 8.13  | __C015S__N-M71RC | 1.400 | 35.56 | 1.500 | 38.10  |
| GD               | 0.318    | 8.08 | 0.420    | 10.67 | __C016S__N-M71RC | 1.500 | 38.10 | 1.600 | 40.64  |
| GE               | 0.318    | 8.08 | 0.620    | 15.75 | __C017S__N-M71RC | 1.600 | 40.64 | 1.700 | 43.18  |
| GF               | 0.318    | 8.08 | 0.820    | 20.83 | __C018S__N-M71RC | 1.700 | 43.18 | 1.800 | 45.72  |
|                  |          |      |          |       | __C019S__N-M71RC | 1.800 | 45.72 | 1.900 | 48.26  |
| DA               | 0.120    | 3.05 | 0.140    | 3.56  | __C020S__N-M71RC | 1.900 | 48.26 | 2.000 | 50.80  |
|                  |          |      |          |       | __C021S__N-M71RC | 2.000 | 50.80 | 2.100 | 53.34  |
|                  |          |      |          |       | __C022S__N-M71RC | 2.100 | 53.34 | 2.200 | 55.88  |
|                  |          |      |          |       | __C023S__N-M71RC | 2.200 | 55.88 | 2.300 | 58.42  |
|                  |          |      |          |       | __C024S__N-M71RC | 2.300 | 58.42 | 2.400 | 60.96  |
|                  |          |      |          |       | __C025S__N-M71RC | 2.400 | 60.96 | 2.500 | 63.50  |
|                  |          |      |          |       | __C026S__N-M71RC | 2.500 | 63.50 | 2.600 | 66.04  |
|                  |          |      |          |       | __C027S__N-M71RC | 2.600 | 66.04 | 2.700 | 68.58  |
|                  |          |      |          |       | __C028S__N-M71RC | 2.700 | 68.58 | 2.800 | 71.12  |
|                  |          |      |          |       | __C029S__N-M71RC | 2.800 | 71.12 | 2.900 | 73.66  |
|                  |          |      |          |       | __C030S__N-M71RC | 2.900 | 73.66 | 3.000 | 76.20  |
|                  |          |      |          |       | __C031S__N-M71RC | 3.000 | 76.20 | 3.100 | 78.74  |
|                  |          |      |          |       | __C032S__N-M71RC | 3.100 | 78.74 | 3.200 | 81.28  |
|                  |          |      |          |       | __C033S__N-M71RC | 3.200 | 81.28 | 3.300 | 83.82  |
|                  |          |      |          |       | __C034S__N-M71RC | 3.300 | 83.82 | 3.400 | 86.36  |
|                  |          |      |          |       | __C035S__N-M71RC | 3.400 | 86.36 | 3.500 | 88.90  |
|                  |          |      |          |       | __C036S__N-M71RC | 3.500 | 88.90 | 3.600 | 91.44  |
|                  |          |      |          |       | __C037S__N-M71RC | 3.600 | 91.44 | 3.700 | 93.98  |
|                  |          |      |          |       | __C038S__N-M71RC | 3.700 | 93.98 | 3.800 | 96.52  |
|                  |          |      |          |       | __C039S__N-M71RC | 3.800 | 96.52 | 3.900 | 99.06  |
|                  |          |      |          |       | __C040S__N-M71RC | 3.900 | 99.06 | 4.000 | 101.60 |



RoHS COMPLIANT

|                                                                                          |  |                                                                                                                                                                                                                                                                 |            |          |                                             |  |
|------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|---------------------------------------------|--|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN INCHES [MM]                             |  | DRAWN                                                                                                                                                                                                                                                           | DATE       | NAME     |                                             |  |
|                                                                                          |  |                                                                                                                                                                                                                                                                 | 03/21/2011 | LH       |                                             |  |
| TOLERANCES: ANGULAR:<br>.XX= ± .012 [.30]<br>.XXX= ± .008 [.20]<br>.XXXX= ± .0040 [.100] |  | 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 MALE .100"[2.54mm]PITCH, RA |  |
| INTERPRET DIMENSIONS AND<br>TOLERANCING<br>PER: ASME Y14.5M-2009                         |  |                                                                                                                                                                                                                                                                 |            |          | PART NUMBER<br>__R_C__S__N-M71RC            |  |
|                                                                                          |  | SIZE                                                                                                                                                                                                                                                            | CAGE CODE  | DWG. NO. | REV                                         |  |
|                                                                                          |  | C                                                                                                                                                                                                                                                               | 54453      | 11637    | B                                           |  |
|                                                                                          |  | SCALE: 4:1                                                                                                                                                                                                                                                      |            |          | SHEET 1 OF 1                                |  |