



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



PART NUMBER CODING

C S N-M71RC

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.)

NUMBER OF POSITIONS

(CONTACTS PER ROW, 002 THRU 040)

PLATING

(ALL PLATINGS HAVE .000030"~.000050" MIN NICKEL UNDERPLATE)

CONTACT SURFACE TERMINATION

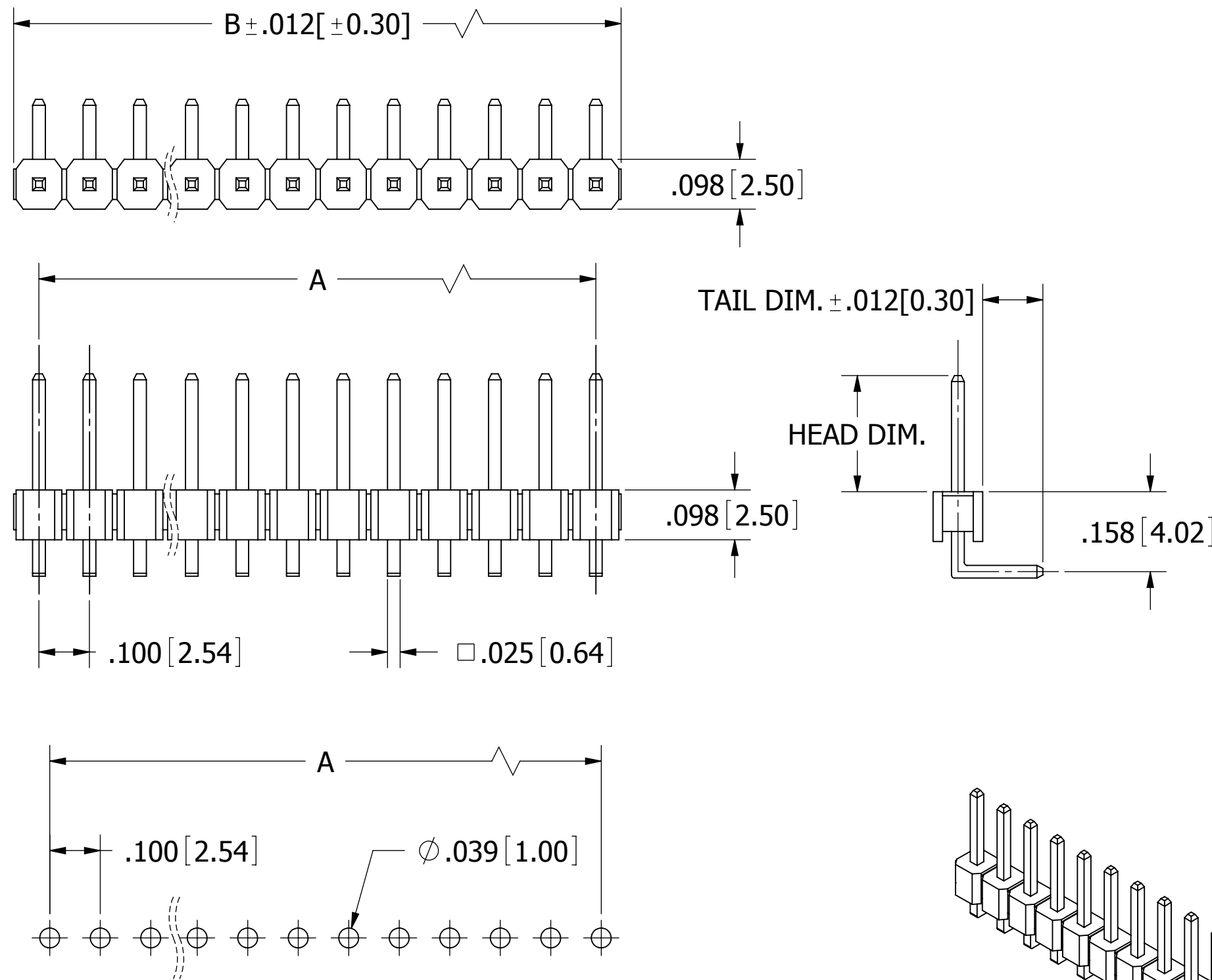
B = .000010" GOLD .000100" PURE TIN, MATTE

C = .000030" GOLD .000100" PURE TIN, MATTE

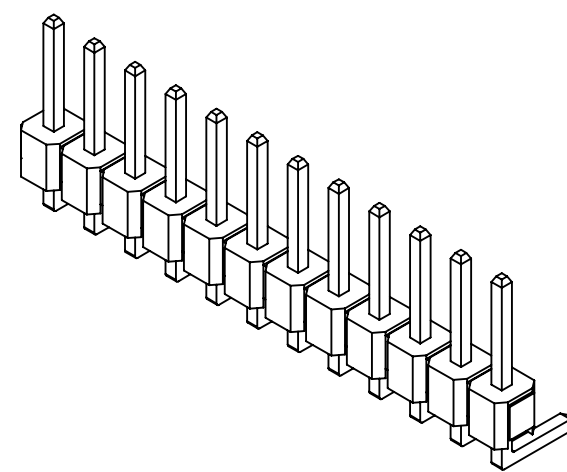
E = TIN OVERALL

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

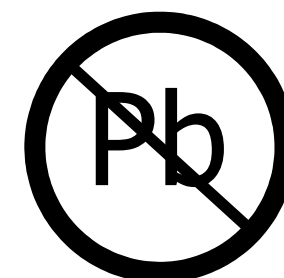


| TERMINATION TYPE | | | | | PART NUMBER | A | | B | |
|------------------|----------|------|----------|-------|------------------|-------|-------|-------|--------|
| CODE | HEAD DIM | | TAIL DIM | | | INCH | MM | INCH | MM |
| | INCH | MM | INCH | MM | | | | | |
| | | | | | __C002S__N-M71RC | 0.100 | 2.54 | 0.200 | 5.08 |
| | | | | | __C003S__N-M71RC | 0.200 | 5.08 | 0.300 | 7.62 |
| BA | 0.230 | 5.84 | 0.120 | 3.05 | __C004S__N-M71RC | 0.300 | 7.62 | 0.400 | 10.16 |
| BB | 0.230 | 5.84 | 0.220 | 5.59 | __C005S__N-M71RC | 0.400 | 10.16 | 0.500 | 12.70 |
| BC | 0.230 | 5.84 | 0.320 | 8.13 | __C006S__N-M71RC | 0.500 | 12.70 | 0.600 | 15.24 |
| BD | 0.230 | 5.84 | 0.420 | 10.67 | __C007S__N-M71RC | 0.600 | 15.24 | 0.700 | 17.78 |
| BE | 0.230 | 5.84 | 0.520 | 13.21 | __C008S__N-M71RC | 0.700 | 17.78 | 0.800 | 20.32 |
| BF | 0.230 | 5.84 | 0.620 | 15.75 | __C009S__N-M71RC | 0.800 | 20.32 | 0.900 | 22.86 |
| BG | 0.230 | 5.84 | 0.720 | 18.29 | __C010S__N-M71RC | 0.900 | 22.86 | 1.000 | 25.40 |
| BH | 0.230 | 5.84 | 0.820 | 20.83 | __C011S__N-M71RC | 1.000 | 25.40 | 1.100 | 27.94 |
| BI | 0.230 | 5.84 | 0.920 | 23.37 | __C012S__N-M71RC | 1.100 | 27.94 | 1.200 | 30.48 |
| BJ | 0.230 | 5.84 | 1.020 | 25.91 | __C013S__N-M71RC | 1.200 | 30.48 | 1.300 | 33.02 |
| | | | | | __C014S__N-M71RC | 1.300 | 33.02 | 1.400 | 35.56 |
| | | | | | __C015S__N-M71RC | 1.400 | 35.56 | 1.500 | 38.10 |
| | | | | | __C016S__N-M71RC | 1.500 | 38.10 | 1.600 | 40.64 |
| | | | | | __C017S__N-M71RC | 1.600 | 40.64 | 1.700 | 43.18 |
| | | | | | __C018S__N-M71RC | 1.700 | 43.18 | 1.800 | 45.72 |
| GA | 0.318 | 8.08 | 0.120 | 3.05 | __C019S__N-M71RC | 1.800 | 45.72 | 1.900 | 48.26 |
| GB | 0.318 | 8.08 | 0.220 | 5.59 | __C020S__N-M71RC | 1.900 | 48.26 | 2.000 | 50.80 |
| GC | 0.318 | 8.08 | 0.320 | 8.13 | __C021S__N-M71RC | 2.000 | 50.80 | 2.100 | 53.34 |
| GD | 0.318 | 8.08 | 0.420 | 10.67 | __C022S__N-M71RC | 2.100 | 53.34 | 2.200 | 55.88 |
| GE | 0.318 | 8.08 | 0.620 | 15.75 | __C023S__N-M71RC | 2.200 | 55.88 | 2.300 | 58.42 |
| GF | 0.318 | 8.08 | 0.820 | 20.83 | __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 |
| DA | 0.120 | 3.05 | 0.140 | 3.56 | __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 |

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.



RoHS COMPLIANT

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