

| POSITIONS | NO. OF CONTACTS<br>SINGLE / DUAL | A     |       | B     |        |
|-----------|----------------------------------|-------|-------|-------|--------|
|           |                                  | INCH  | MM    | INCH  | MM     |
| 2         | 02/04                            | 0.100 | 2.54  | 0.220 | 5.58   |
| 3         | 03/06                            | 0.200 | 5.08  | 0.320 | 8.12   |
| 4         | 04/08                            | 0.300 | 7.62  | 0.420 | 10.66  |
| 5         | 05/10                            | 0.400 | 10.16 | 0.520 | 13.20  |
| 6         | 06/12                            | 0.500 | 12.70 | 0.620 | 15.74  |
| 7         | 07/14                            | 0.600 | 15.24 | 0.720 | 18.28  |
| 8         | 08/16                            | 0.700 | 17.78 | 0.820 | 20.82  |
| 9         | 09/18                            | 0.800 | 20.32 | 0.920 | 23.36  |
| 10        | 10/20                            | 0.900 | 22.86 | 1.020 | 25.90  |
| 11        | 11/22                            | 1.000 | 25.40 | 1.120 | 28.44  |
| 12        | 12/24                            | 1.100 | 27.94 | 1.220 | 30.98  |
| 13        | 13/26                            | 1.200 | 30.48 | 1.320 | 33.52  |
| 14        | 14/28                            | 1.300 | 33.02 | 1.420 | 36.06  |
| 15        | 15/30                            | 1.400 | 35.56 | 1.520 | 38.60  |
| 16        | 16/32                            | 1.500 | 38.10 | 1.620 | 41.14  |
| 17        | 17/34                            | 1.600 | 40.64 | 1.720 | 43.68  |
| 18        | 18/36                            | 1.700 | 43.18 | 1.820 | 46.22  |
| 19        | 19/38                            | 1.800 | 45.72 | 1.920 | 48.76  |
| 20        | 20/40                            | 1.900 | 48.26 | 2.020 | 51.30  |
| 21        | 21/42                            | 2.000 | 50.80 | 2.120 | 53.84  |
| 22        | 22/44                            | 2.100 | 53.34 | 2.220 | 56.38  |
| 23        | 23/46                            | 2.200 | 55.88 | 2.320 | 58.92  |
| 24        | 24/48                            | 2.300 | 58.42 | 2.420 | 61.46  |
| 25        | 25/50                            | 2.400 | 60.96 | 2.520 | 64.00  |
| 26        | 26/52                            | 2.500 | 63.50 | 2.620 | 66.54  |
| 27        | 27/54                            | 2.600 | 66.04 | 2.720 | 69.08  |
| 28        | 28/56                            | 2.700 | 68.58 | 2.820 | 71.62  |
| 29        | 29/58                            | 2.800 | 71.12 | 2.920 | 74.16  |
| 30        | 30/60                            | 2.900 | 73.66 | 3.020 | 76.70  |
| 31        | 31/62                            | 3.000 | 76.20 | 3.120 | 79.24  |
| 32        | 32/64                            | 3.100 | 78.74 | 3.220 | 81.78  |
| 33        | 33/66                            | 3.200 | 81.28 | 3.320 | 84.32  |
| 34        | 34/68                            | 3.300 | 83.82 | 3.420 | 86.86  |
| 35        | 35/70                            | 3.400 | 86.36 | 3.520 | 89.40  |
| 36        | 36/72                            | 3.500 | 88.90 | 3.620 | 91.94  |
| 37        | 37/74                            | 3.600 | 91.44 | 3.720 | 94.48  |
| 38        | 38/76                            | 3.700 | 93.98 | 3.820 | 97.02  |
| 39        | 39/78                            | 3.800 | 96.52 | 3.920 | 99.56  |
| 40        | 40/80                            | 3.900 | 99.06 | 4.020 | 102.10 |

- NOTES:
1. INSULATOR MATERIAL: SEE PART NUMBER CODING.
  2. CONTACT MATERIAL: PHOSPHOR BRONZE.
  3. CONTACT PLATING: SEE PART NUMBER CODING.
  4. CURRENT RATING: 3 AMPS
  5. INSULATOR RESISTANCE: 5000 MEGOHMS MIN.
  6. CONTACT RESISTANCE: 20 MILLIOHMS MAX.
  7. DIELECTRIC WITHSTANDING: AC 500V.
  8. OPERATING TEMPERATURE: -40° C TO +105° C.

\*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

xPxCxx xLFBN-RC

NUMBER OF ROWS

- 1 = SINGLE ROW  
2 = DUAL ROWS

NUMBER OF POSITIONS

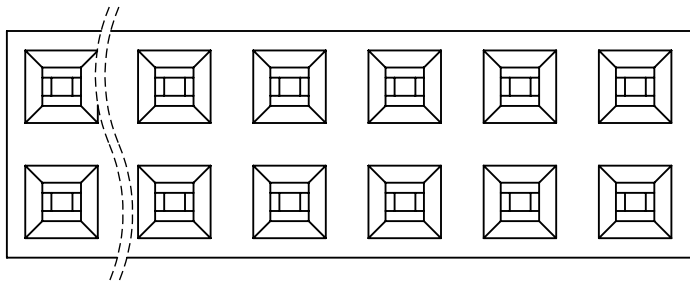
(CONTACTS PER ROW, 2 THRU 40)

PLATING

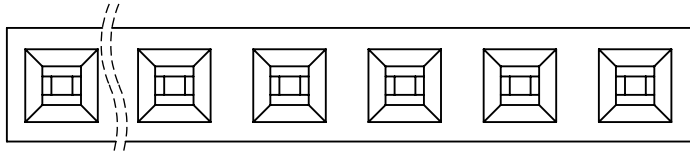
- P = GOLD FLASH OVERALL  
T= TIN OVERALL

INSULATOR MATERIAL

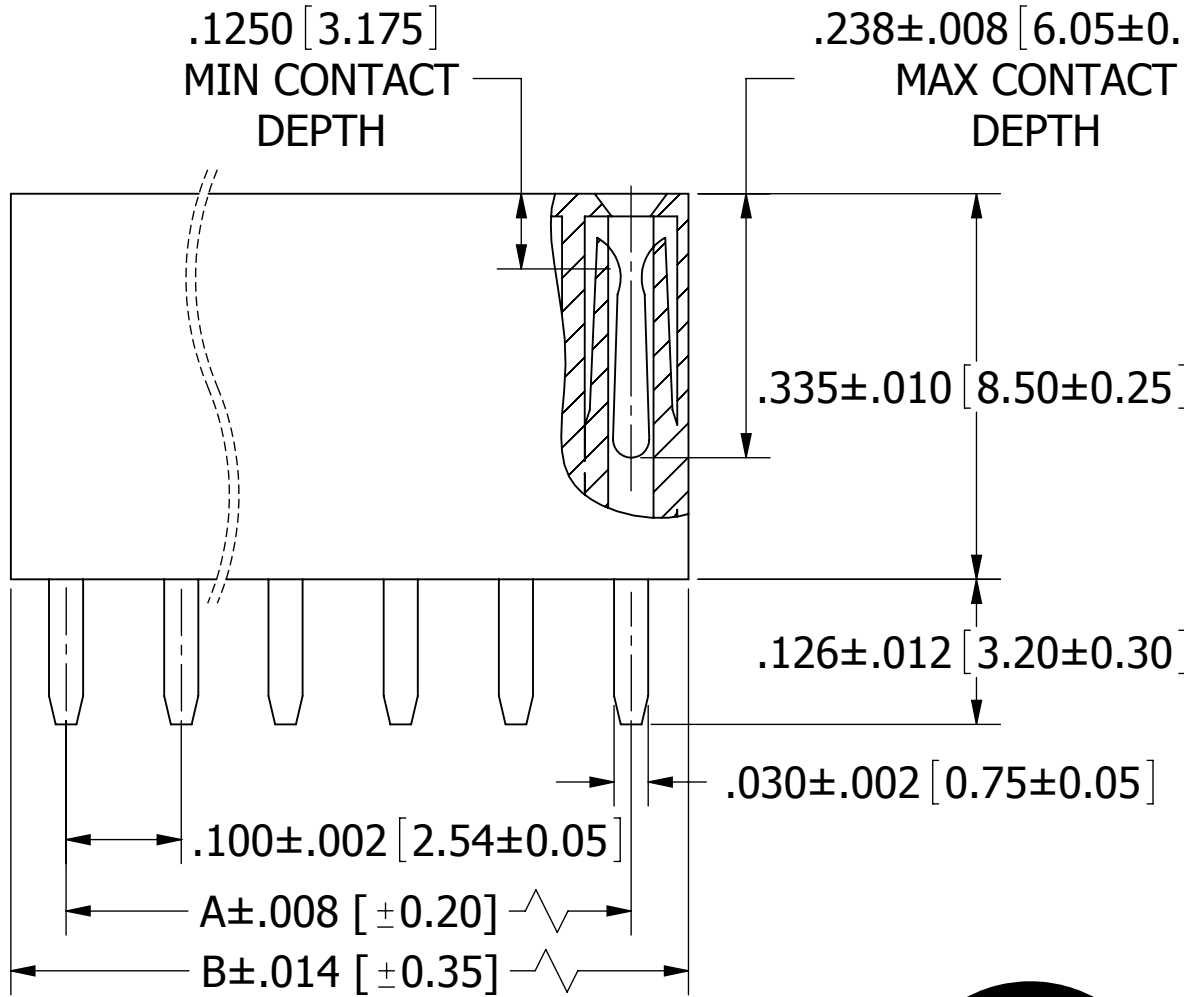
- P = POLYESTER, UL 94V-0.  
\*PROCESSING TEMP. = 210° C FOR 5 SECS.  
N = NYLON 6T.  
\*PROCESSING TEMP. = 260° C FOR 10 SECS.



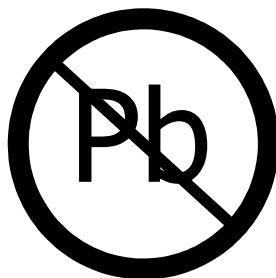
DUAL ROWS



SINGLE ROW

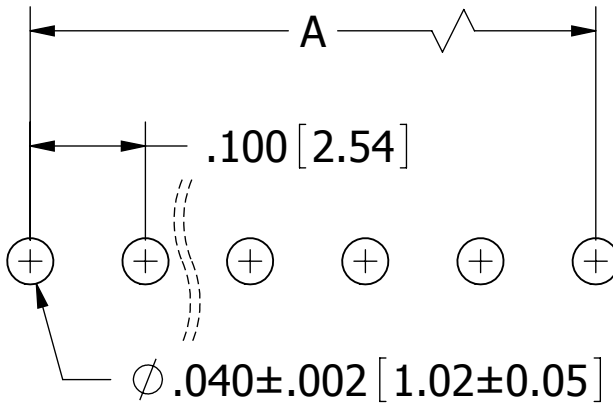
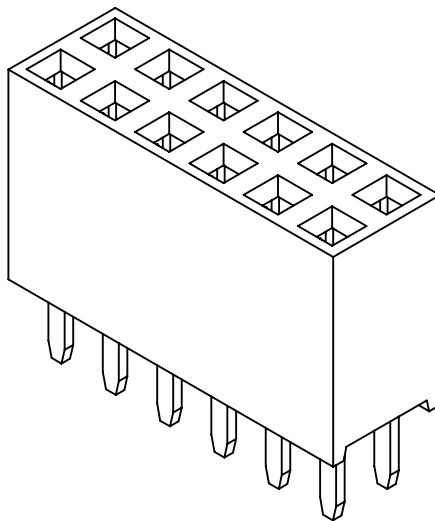
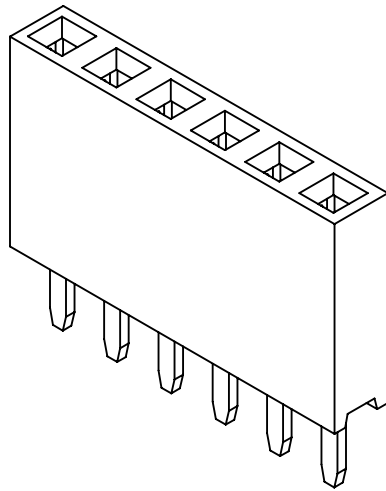


02-20, 0.20mm MAX.  
21-40, 0.30mm MAX.

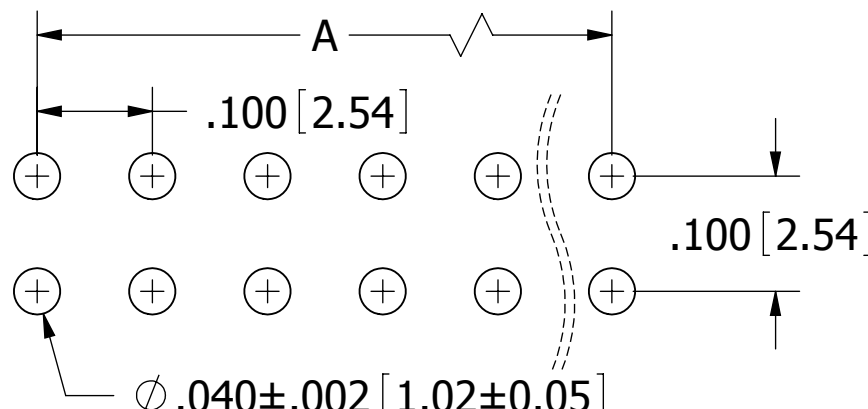


RoHS COMPLIANT

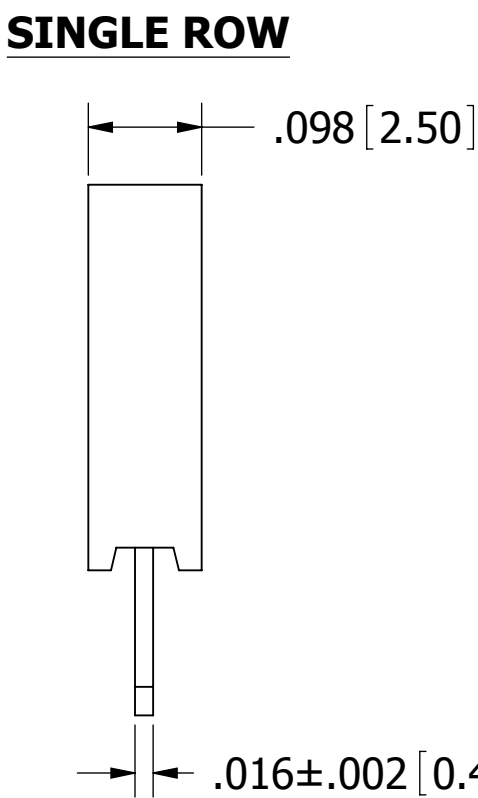
| REVISIONS |         |                                                                       |            |    |
|-----------|---------|-----------------------------------------------------------------------|------------|----|
| REV.      | ECO. NO | DESCRIPTION                                                           | DATE       | BY |
| A         | 648     | INITIAL RELEASE                                                       | 6/15/2005  | TT |
| B         | 736     | DIM B LETTER, PINS WIDTH                                              | 6/19/2005  | TT |
| C         | 1126    | UPDATE SPECIFICATIONS                                                 | 6/12/2006  | TT |
| D         | 1533    | ADDED MIN/MAX CONTACT DEPTH DIM                                       | 10/18/2007 | VJ |
| E         | 1869    | UPDATE MAX CONTACT DEPTH, TOLERANCE & NOTE, ADD SINGLE ROW PCB LAYOUT | 12/23/2008 | JH |



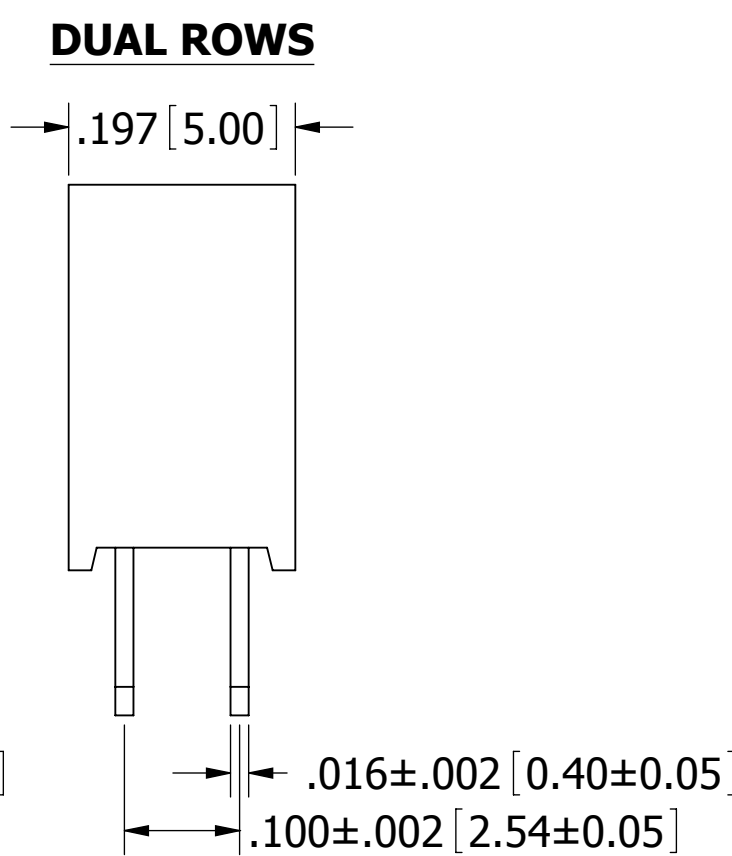
RECOMMENDED PCB LAYOUT  
SINGLE ROW



RECOMMENDED PCB LAYOUT  
DUAL ROWS

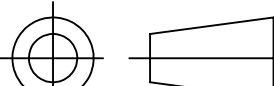


SINGLE ROW



DUAL ROWS

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES[MM]  
TOLERANCES:  
ANGULAR: ± 5°  
.X=± .012 [30]  
.XX=± .008 [20]  
.XXX=± .006 [15]  
SURFACE FINISH: 63 Ra  
REMOVE ALL BURRS AND SHARP EDGES .010 MAX  
INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5M-1994

|                                                                                                                                                                                                                                            |  |          |      |                                                                                                                             |              |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|------|-----------------------------------------------------------------------------------------------------------------------------|--------------|-----|
|                                                                                                                                                                                                                                            |  | DATE     | NAME |  <b>SULLINS</b><br>CONNECTOR SOLUTIONS |              |     |
| DRAWN                                                                                                                                                                                                                                      |  | 12/15/08 | JH   |                                                                                                                             |              |     |
| 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. |  |          |      | DESCRIPTION<br>HEADER FEMALE, 2.54mm CC, ST<br>PART NUMBER<br><b>xPxCxxxLFBN-RC</b>                                         |              |     |
|                                                                                                                                                       |  | SIZE     |      | DWG. NO.                                                                                                                    |              | REV |
|                                                                                                                                                                                                                                            |  | <b>C</b> |      | 10492                                                                                                                       |              | E   |
| SCALE: 16:1                                                                                                                                                                                                                                |  |          |      |                                                                                                                             | SHEET 1 OF 1 |     |