

| POSITIONS/<br>CONTACTS | A     |       | B     |       | C     |       |
|------------------------|-------|-------|-------|-------|-------|-------|
|                        | INCH  | MM    | INCH  | MM    | INCH  | MM    |
| 02/04                  | 0.079 | 2.00  | 0.157 | 4.00  | N/A   | N/A   |
| 03/06                  | 0.157 | 4.00  | 0.236 | 6.00  | 0.079 | 2.00  |
| 04/08                  | 0.236 | 6.00  | 0.315 | 8.00  | 0.157 | 4.00  |
| 05/10                  | 0.315 | 8.00  | 0.394 | 10.00 | 0.236 | 6.00  |
| 06/12                  | 0.394 | 10.00 | 0.472 | 12.00 | 0.315 | 8.00  |
| 07/14                  | 0.472 | 12.00 | 0.551 | 14.00 | 0.394 | 10.00 |
| 08/16                  | 0.551 | 14.00 | 0.630 | 16.00 | 0.472 | 12.00 |
| 09/18                  | 0.630 | 16.00 | 0.709 | 18.00 | 0.551 | 14.00 |
| 10/20                  | 0.709 | 18.00 | 0.787 | 20.00 | 0.630 | 16.00 |
| 11/22                  | 0.787 | 20.00 | 0.866 | 22.00 | 0.709 | 18.00 |
| 12/24                  | 0.866 | 22.00 | 0.945 | 24.00 | 0.787 | 20.00 |
| 13/26                  | 0.945 | 24.00 | 1.024 | 26.00 | 0.866 | 22.00 |
| 14/28                  | 1.024 | 26.00 | 1.102 | 28.00 | 0.945 | 24.00 |
| 15/30                  | 1.102 | 28.00 | 1.181 | 30.00 | 1.024 | 26.00 |
| 16/32                  | 1.181 | 30.00 | 1.260 | 32.00 | 1.102 | 28.00 |
| 17/34                  | 1.260 | 32.00 | 1.339 | 34.00 | 1.181 | 30.00 |
| 18/36                  | 1.339 | 34.00 | 1.417 | 36.00 | 1.260 | 32.00 |
| 19/38                  | 1.417 | 36.00 | 1.496 | 38.00 | 1.339 | 34.00 |
| 20/40                  | 1.496 | 38.00 | 1.575 | 40.00 | 1.417 | 36.00 |
| 21/42                  | 1.575 | 40.00 | 1.654 | 42.00 | 1.496 | 38.00 |
| 22/44                  | 1.654 | 42.00 | 1.732 | 44.00 | 1.575 | 40.00 |
| 23/46                  | 1.732 | 44.00 | 1.811 | 46.00 | 1.654 | 42.00 |
| 24/48                  | 1.811 | 46.00 | 1.890 | 48.00 | 1.732 | 44.00 |
| 25/50                  | 1.890 | 48.00 | 1.969 | 50.00 | 1.811 | 46.00 |
| 26/52                  | 1.969 | 50.00 | 2.047 | 52.00 | 1.890 | 48.00 |
| 27/54                  | 2.047 | 52.00 | 2.126 | 54.00 | 1.969 | 50.00 |
| 28/56                  | 2.126 | 54.00 | 2.205 | 56.00 | 2.047 | 52.00 |
| 29/58                  | 2.205 | 56.00 | 2.283 | 58.00 | 2.126 | 54.00 |
| 30/60                  | 2.283 | 58.00 | 2.362 | 60.00 | 2.205 | 56.00 |
| 31/62                  | 2.362 | 60.00 | 2.441 | 62.00 | 2.283 | 58.00 |
| 32/64                  | 2.441 | 62.00 | 2.520 | 64.00 | 2.362 | 60.00 |
| 33/66                  | 2.520 | 64.00 | 2.598 | 66.00 | 2.441 | 62.00 |
| 34/68                  | 2.598 | 66.00 | 2.677 | 68.00 | 2.520 | 64.00 |
| 35/70                  | 2.677 | 68.00 | 2.756 | 70.00 | 2.598 | 66.00 |
| 36/72                  | 2.756 | 70.00 | 2.835 | 72.00 | 2.677 | 68.00 |
| 37/74                  | 2.835 | 72.00 | 2.913 | 74.00 | 2.756 | 70.00 |
| 38/76                  | 2.913 | 74.00 | 2.992 | 76.00 | 2.835 | 72.00 |
| 39/78                  | 2.992 | 76.00 | 3.071 | 78.00 | 2.913 | 74.00 |
| 40/80                  | 3.071 | 78.00 | 3.150 | 80.00 | 2.992 | 76.00 |

- NOTES:
- INSULATOR MATERIAL: SEE PART NUMBER CODING, UL 94V-0, COLOR: BLACK
  - CONTACT MATERIAL: PHOSPHOR BRONZE
  - CONTACT PLATING: .000030" - .000050" NICKEL UNDERPLATING, GOLD FLASH OVERALL
  - CURRENT RATING: 2 AMPS
  - INSULATOR RESISTANCE: 5000 MEGOHMS MIN
  - CONTACT RESISTANCE: 20 MILLIOHMS MAX
  - DIELECTRIC WITHSTANDING: 500 VAC
  - OPERATING TEMPERATURE: SEE PART NUMBER CODING
  - PROCESSING TEMP.: SEE PART NUMBER CODING
  - MATES WITH SULLINS .079 [2.00] CONTACT CENTER MALE HEADER SERIES (.020 [0.50] SQUARE POSTS)

PART NUMBER CODING

xPPNxx2FFKx-RC

TERMINATION TYPES

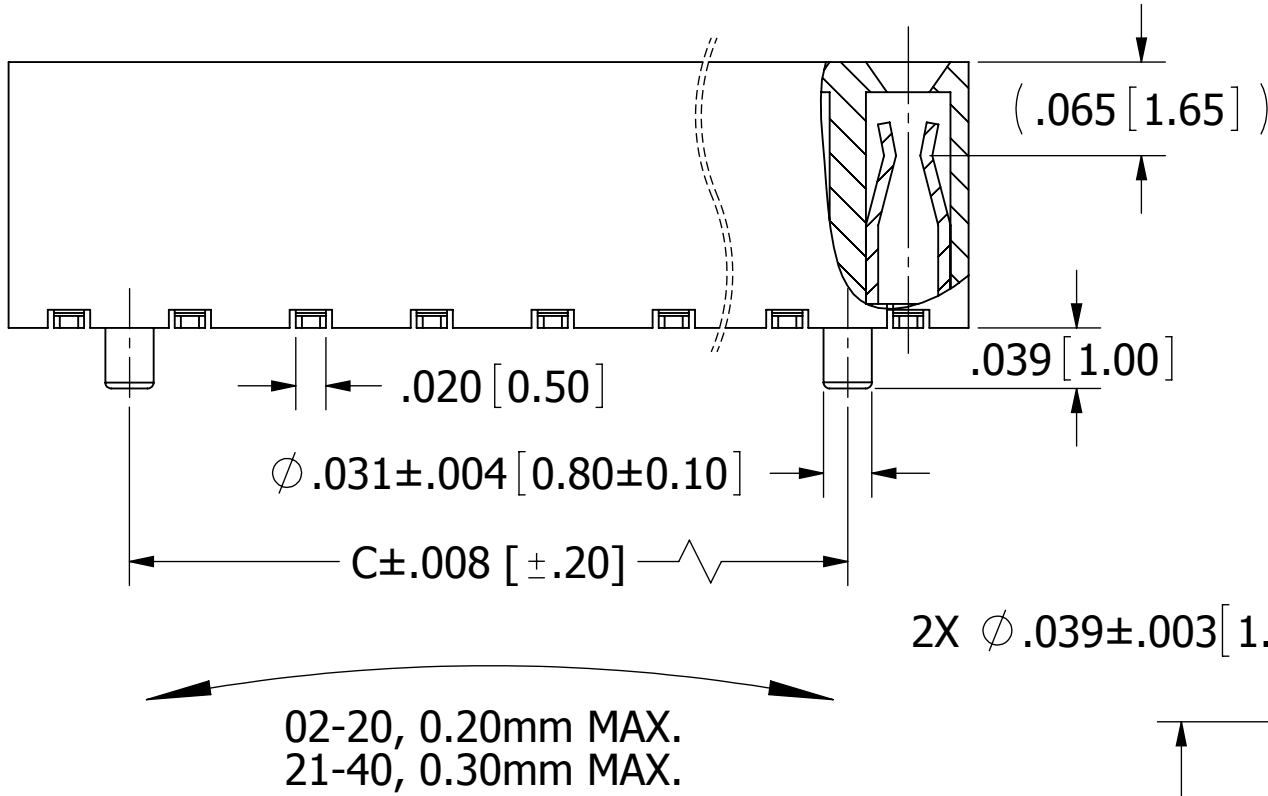
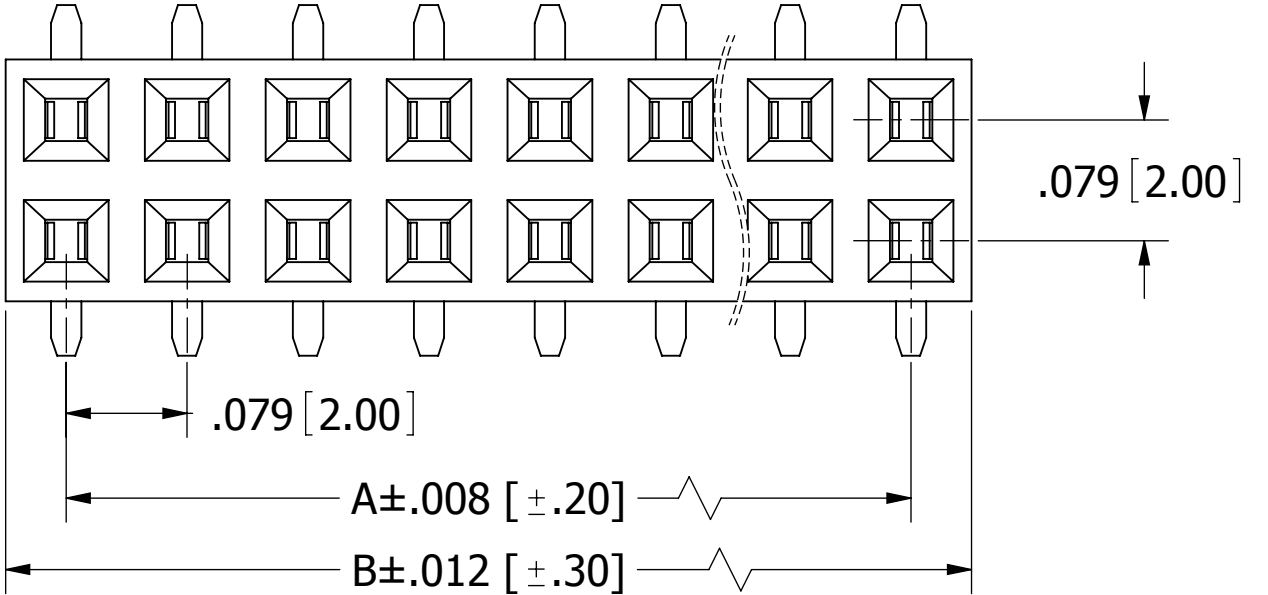
P = SURFACE MOUNT W/ GUIDE POSTS  
S = SURFACE MOUNT W/O GUIDE POSTS

NUMBER OF POSITIONS

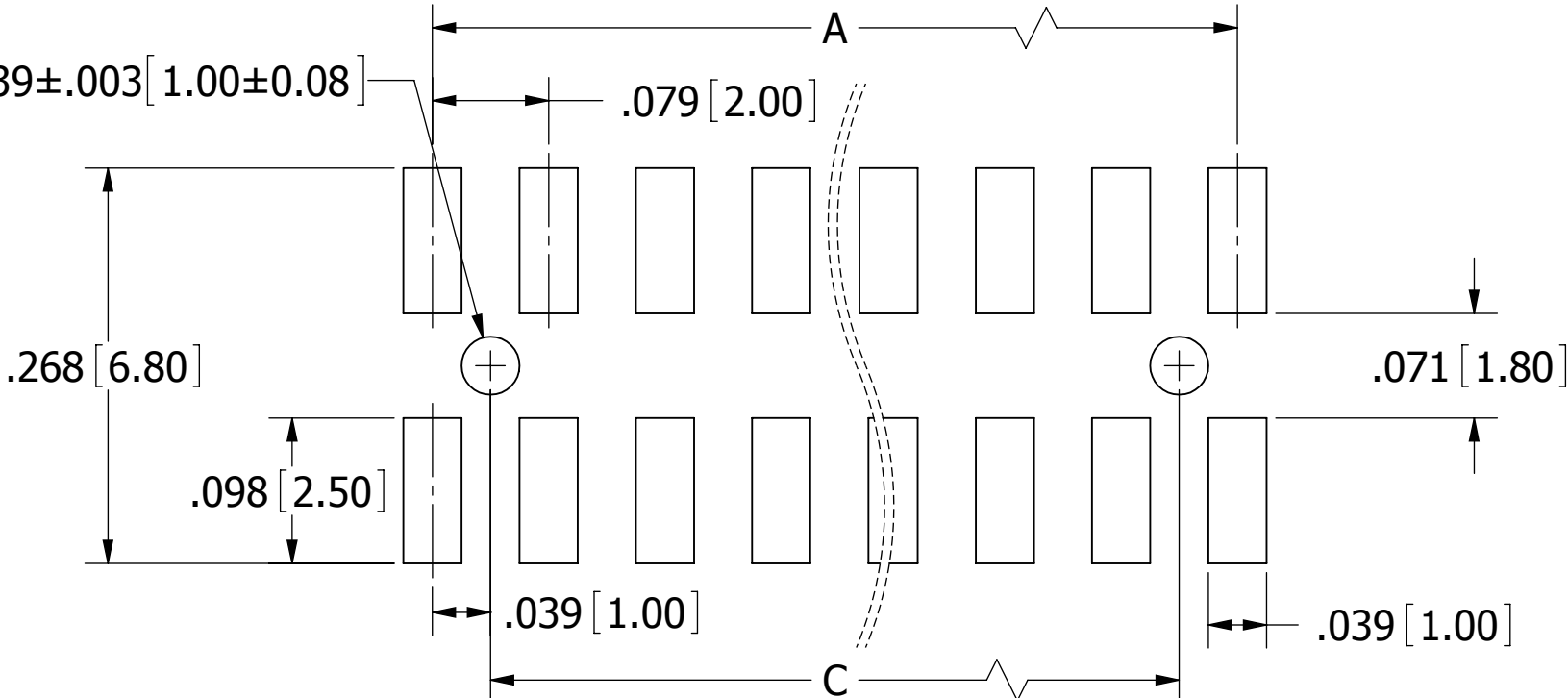
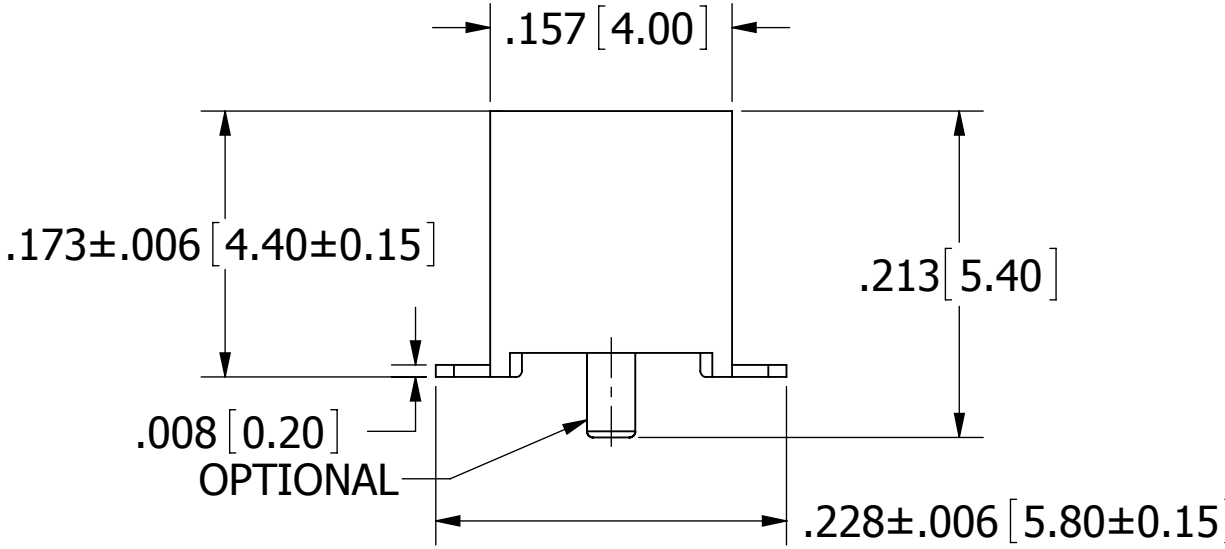
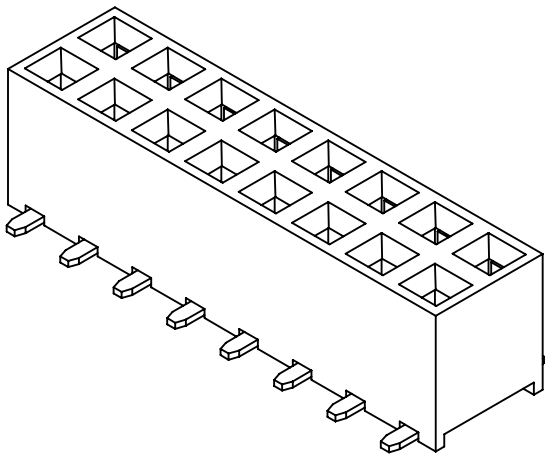
(CONTACTS PER ROW, 02 THRU 40)

INSULATOR MATERIAL

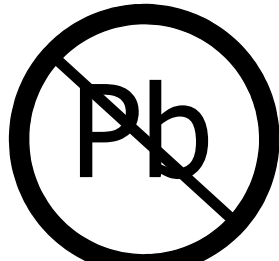
N = NYLON 9T  
OPERATING TEMPERATURE: -40° C TO +105° C  
PROCESSING TEMP: 260°C MAX FOR 10 SECONDS  
L = LCP  
OPERATING TEMPERATURE: -40° C TO +125° C  
PROCESSING TEMP: 260°C MAX FOR 10 SECONDS



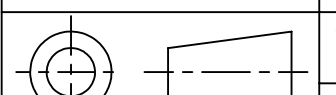
| REVISIONS |         |                                                                   |            |         |
|-----------|---------|-------------------------------------------------------------------|------------|---------|
| REV.      | ECO. NO | DESCRIPTION                                                       | DATE       | BY      |
| H         | 2631    | ADD TOLERANCE FOR GUIDE POST & PCB HOLE FOR GUIDE POSTS           | 7/19/2012  | JH      |
| J         | 2829    | ADD INSULATOR MATERIAL 'LCP' OPTION, UPGRADE NYLON 6T TO NYLON 9T | 09/11/2014 | LH/JHSU |



RECOMMENDED PCB SMT LAYOUT



RoHS COMPLIANT

|                                                                                       |                                                                                                                                                                                                                                                                 |            |              |                                                                                       |     |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|---------------------------------------------------------------------------------------|-----|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN INCHES [MM]                          | DRAWN                                                                                                                                                                                                                                                           | DATE       | NAME         |  |     |
|                                                                                       |                                                                                                                                                                                                                                                                 | 01/12/2009 | JH           |                                                                                       |     |
| TOLERANCES:                                                                           | 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                                                                                 |     |
| ANGULAR:                                                                              |                                                                                                                                                                                                                                                                 |            |              | HEADER, FEMALE 2mm CC, 2 ROWS, SMT                                                    |     |
| DECIMALS<br>.XX=± .01 [.3]<br>.XXX=± .008 [.20]<br>.XXXX=± .0040 [.100]               |                                                                                                                                                                                                                                                                 |            |              | PART NUMBER<br><br>xPPNxx2FFKx-RC                                                     |     |
|  | SIZE                                                                                                                                                                                                                                                            | CAGE CODE  | DWG. NO.     |                                                                                       | REV |
|                                                                                       | C                                                                                                                                                                                                                                                               | 54453      | 10485        |                                                                                       | J   |
|                                                                                       | SCALE: 8:1                                                                                                                                                                                                                                                      |            | SHEET 1 OF 1 |                                                                                       |     |