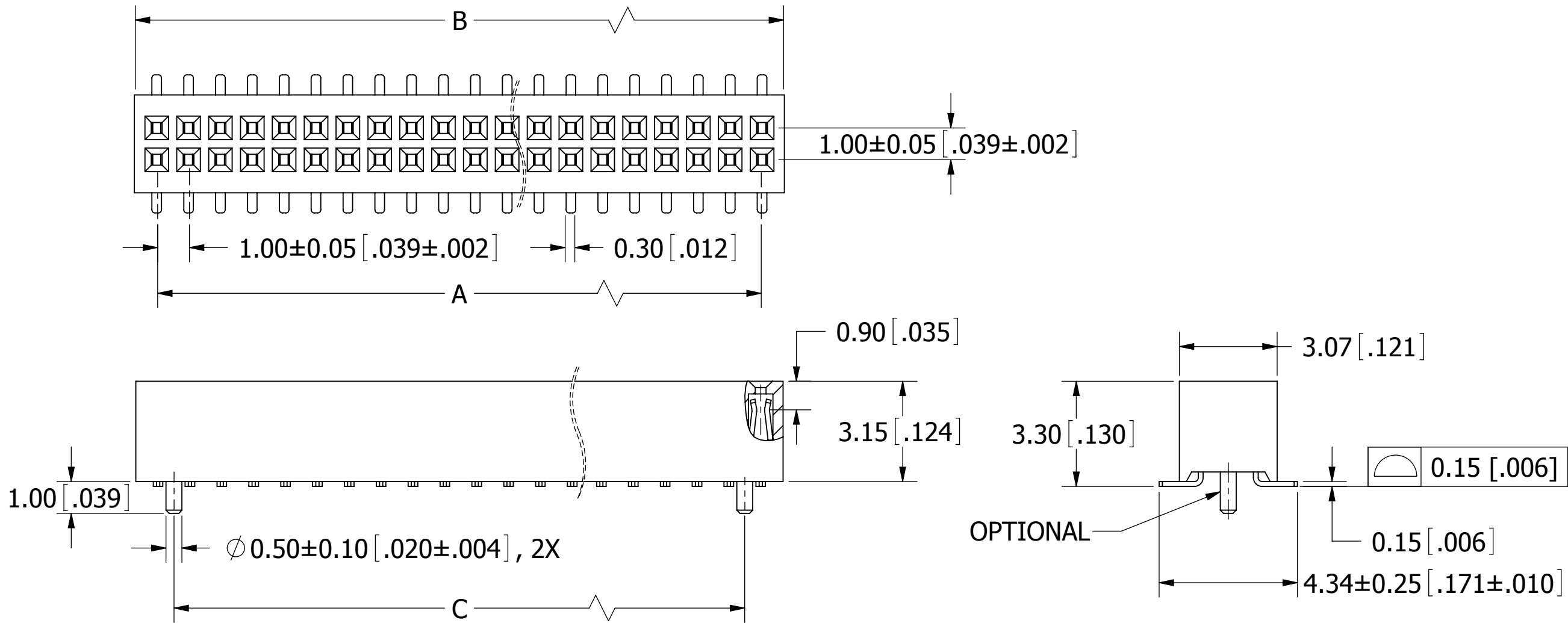
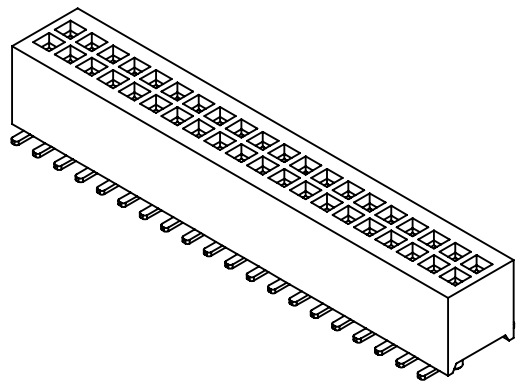


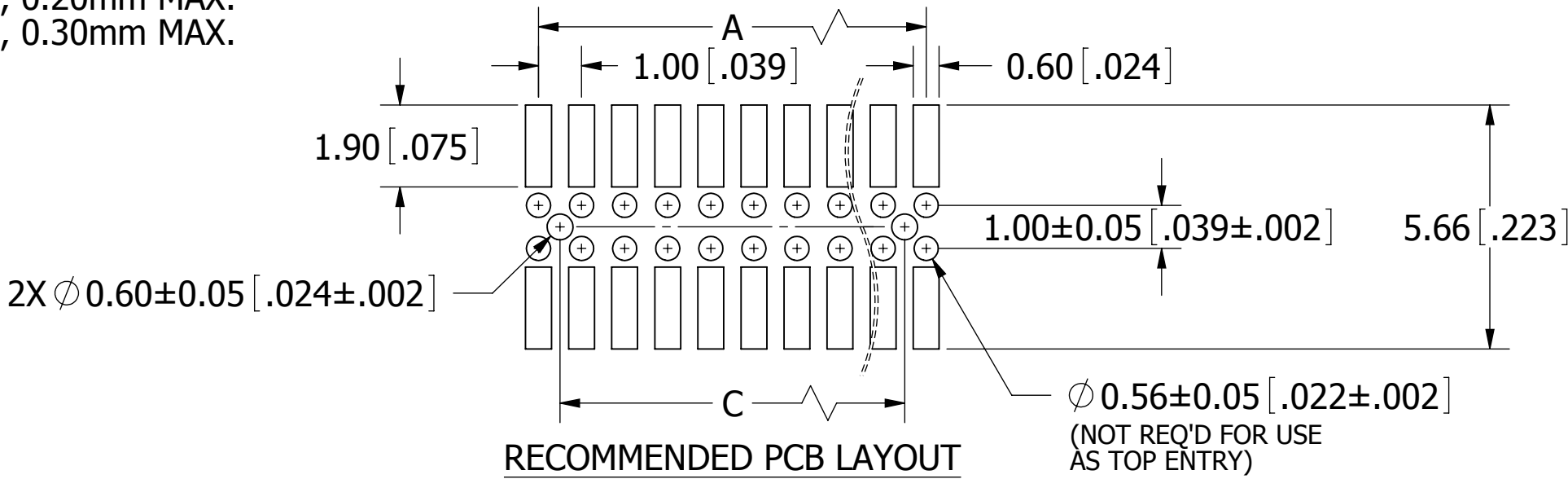
| POSITIONS/<br>CONTACTS | A       |              | B       |              | C       |              |
|------------------------|---------|--------------|---------|--------------|---------|--------------|
|                        | MM±0.20 | [INCH±0.008] | MM±0.30 | [INCH±0.012] | MM±0.20 | [INCH±0.008] |
| 02/04                  | 1.00    | 0.039        | 2.40    | 0.094        | N/A     | N/A          |
| 03/06                  | 2.00    | 0.079        | 3.40    | 0.134        | 1.00    | 0.039        |
| 04/08                  | 3.00    | 0.118        | 4.40    | 0.173        | 2.00    | 0.079        |
| 05/10                  | 4.00    | 0.157        | 5.40    | 0.213        | 3.00    | 0.118        |
| 06/12                  | 5.00    | 0.197        | 6.40    | 0.252        | 4.00    | 0.157        |
| 07/14                  | 6.00    | 0.236        | 7.40    | 0.291        | 5.00    | 0.197        |
| 08/16                  | 7.00    | 0.276        | 8.40    | 0.331        | 6.00    | 0.236        |
| 09/18                  | 8.00    | 0.315        | 9.40    | 0.370        | 7.00    | 0.276        |
| 10/20                  | 9.00    | 0.354        | 10.40   | 0.409        | 8.00    | 0.315        |
| 11/22                  | 10.00   | 0.394        | 11.40   | 0.449        | 9.00    | 0.354        |
| 12/24                  | 11.00   | 0.433        | 12.40   | 0.488        | 10.00   | 0.394        |
| 13/26                  | 12.00   | 0.472        | 13.40   | 0.528        | 11.00   | 0.433        |
| 14/28                  | 13.00   | 0.512        | 14.40   | 0.567        | 12.00   | 0.472        |
| 15/30                  | 14.00   | 0.551        | 15.40   | 0.606        | 13.00   | 0.512        |
| 16/32                  | 15.00   | 0.591        | 16.40   | 0.646        | 14.00   | 0.551        |
| 17/34                  | 16.00   | 0.630        | 17.40   | 0.685        | 15.00   | 0.591        |
| 18/36                  | 17.00   | 0.669        | 18.40   | 0.724        | 16.00   | 0.630        |
| 19/38                  | 18.00   | 0.709        | 19.40   | 0.764        | 17.00   | 0.669        |
| 20/40**                | 19.00   | 0.748        | 20.40   | 0.803        | 18.00   | 0.709        |
| 21/42                  | 20.00   | 0.787        | 21.40   | 0.843        | 19.00   | 0.748        |
| 22/44                  | 21.00   | 0.827        | 22.40   | 0.882        | 20.00   | 0.787        |
| 23/46                  | 22.00   | 0.866        | 23.40   | 0.921        | 21.00   | 0.827        |
| 24/48                  | 23.00   | 0.906        | 24.40   | 0.961        | 22.00   | 0.866        |
| 25/50                  | 24.00   | 0.945        | 25.40   | 1.000        | 23.00   | 0.906        |
| 26/52                  | 25.00   | 0.984        | 26.40   | 1.039        | 24.00   | 0.945        |
| 27/54                  | 26.00   | 1.024        | 27.40   | 1.079        | 25.00   | 0.984        |
| 28/56                  | 27.00   | 1.063        | 28.40   | 1.118        | 26.00   | 1.024        |
| 29/58                  | 28.00   | 1.102        | 29.40   | 1.157        | 27.00   | 1.063        |
| 30/60                  | 29.00   | 1.142        | 30.40   | 1.197        | 28.00   | 1.102        |
| 31/62                  | 30.00   | 1.181        | 31.40   | 1.236        | 29.00   | 1.142        |
| 32/64                  | 31.00   | 1.220        | 32.40   | 1.276        | 30.00   | 1.181        |
| 33/66                  | 32.00   | 1.260        | 33.40   | 1.315        | 31.00   | 1.220        |
| 34/68                  | 33.00   | 1.299        | 34.40   | 1.354        | 32.00   | 1.260        |
| 35/70                  | 34.00   | 1.339        | 35.40   | 1.394        | 33.00   | 1.299        |
| 36/72                  | 35.00   | 1.378        | 36.40   | 1.433        | 34.00   | 1.339        |
| 37/74                  | 36.00   | 1.417        | 37.40   | 1.472        | 35.00   | 1.378        |
| 38/76                  | 37.00   | 1.457        | 38.40   | 1.512        | 36.00   | 1.417        |
| 39/78                  | 38.00   | 1.496        | 39.40   | 1.551        | 37.00   | 1.457        |
| 40/80                  | 39.00   | 1.535        | 40.40   | 1.591        | 38.00   | 1.496        |
| 41/82                  | 40.00   | 1.575        | 41.40   | 1.630        | 39.00   | 1.535        |
| 42/84                  | 41.00   | 1.614        | 42.40   | 1.669        | 40.00   | 1.575        |
| 43/86                  | 42.00   | 1.654        | 43.40   | 1.709        | 41.00   | 1.614        |
| 44/88                  | 43.00   | 1.693        | 44.40   | 1.748        | 42.00   | 1.654        |
| 45/90                  | 44.00   | 1.732        | 45.40   | 1.787        | 43.00   | 1.693        |
| 46/92                  | 45.00   | 1.772        | 46.40   | 1.827        | 44.00   | 1.732        |
| 47/94                  | 46.00   | 1.811        | 47.40   | 1.866        | 45.00   | 1.772        |
| 48/96                  | 47.00   | 1.850        | 48.40   | 1.906        | 46.00   | 1.811        |
| 49/98                  | 48.00   | 1.890        | 49.40   | 1.945        | 47.00   | 1.850        |
| 50/100                 | 49.00   | 1.929        | 50.40   | 1.984        | 48.00   | 1.890        |

\*\*NOTE: POSITION 20 NOT AVAILABLE.

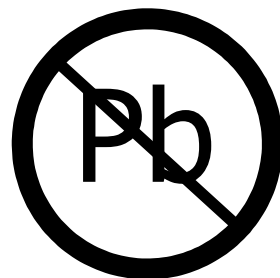
- NOTES:
1. INSULATOR MATERIAL: L.C.P, UL 94V-0, BLACK COLOR.
  2. CONTACT MATERIAL: PHOSPHOR BRONZE.
  3. CONTACT PLATING: SEE PART NUMBER CODING.
  4. CURRENT RATING: 1 AMP.
  5. INSULATOR RESISTANCE: 5000 MEGA OHMS MIN.
  6. CONTACT RESISTANCE: 20 MILLI OHMS MAX.
  7. DIELECTRIC WITHSTANDING: 500V AC/MINUTE.
  8. OPERATING TEMPERATURE: -40° C TO +125° C.
  9. PROCESSING TEMP.: 260° C FOR 10 SECS MAX.  
(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.)
  10. FOR TOP/BOTTOM ENTRY.
  11. CONSULT FACTORY FOR THE MATE IF BEING USED AS BOTTOM ENTRY.



02-20, 0.20mm MAX.  
21-50, 0.30mm MAX.



RECOMMENDED PCB LAYOUT



RoHS COMPLIANT

| REVISIONS |         |                 |           |    |
|-----------|---------|-----------------|-----------|----|
| REV.      | ECO. NO | DESCRIPTION     | DATE      | BY |
| A         | 1910    | INITIAL RELEASE | 2/05/2009 | JH |

**PART NUMBER CODING**  
**SFM315-LP\_E-D\_-S\_-BK**

**MOUNTING STYLES**

M = SURFACE MOUNT W/O GUIDE POSTS.  
P = SURFACE MOUNT W/ GUIDE POSTS.

**NUMBER OF POSITIONS**

(CONTACTS PER ROW, 2 THRU 50)

**PLATING**

P = GOLD FLASH OVERALL.  
G = 10u" GOLD ON CONTACT SURFACE,  
GOLD FLASH ON TERMINATION.

|                                                                                                                                                                                                                                                                 |  |  |                                                   |          |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---------------------------------------------------|----------|------|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN MM[INCHES]<br>TOLERANCES:<br>ANGULAR: ± 5°<br>.X=± .30 [.012]<br>.XX=± .20 [.008]<br>.XXX=± .15 [.006]<br>SURFACE FINISH: 63 Ra<br>REMOVE ALL BURRS AND SHARP EDGES .010 MAX                                   |  |  | DRAWN                                             | DATE     | NAME |
| 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. |  |  |                                                   | 2/12/09  | JH   |
| INTERPRET DIMENSIONS AND GEOMETRIC<br>TOLERANCING<br>PER: ANSI Y14.5M-1994                                                                                                                                                                                      |  |  |                                                   |          |      |
|                                                                                                                                                                                                                                                                 |  |  | DESCRIPTION<br>HEADER, FEMALE 1mm CC, 2 ROWS, SMT |          |      |
|                                                                                                                                                                                                                                                                 |  |  | PART NUMBER<br><b>SFM315-LP_E-D_-S_-BK</b>        |          |      |
|                                                                                                                                                                                                                                                                 |  |  | SIZE                                              | DWG. NO. | REV  |
|                                                                                                                                                                                                                                                                 |  |  | <b>C</b>                                          | 11204    | A    |
|                                                                                                                                                                                                                                                                 |  |  | SCALE: 10:1                                       |          |      |
|                                                                                                                                                                                                                                                                 |  |  | SHEET 1 OF 1                                      |          |      |