

| POSITIONS/<br>CONTACTS | A       |              | B       |              |
|------------------------|---------|--------------|---------|--------------|
|                        | MM±0.20 | [INCH±0.008] | MM±0.30 | [INCH±0.012] |
| 02/02                  | 1.00    | 0.039        | 2.00    | 0.079        |
| 03/03                  | 2.00    | 0.079        | 3.00    | 0.118        |
| 04/04                  | 3.00    | 0.118        | 4.00    | 0.157        |
| 05/05                  | 4.00    | 0.157        | 5.00    | 0.197        |
| 06/06                  | 5.00    | 0.197        | 6.00    | 0.236        |
| 07/07                  | 6.00    | 0.236        | 7.00    | 0.276        |
| 08/08                  | 7.00    | 0.276        | 8.00    | 0.315        |
| 09/09                  | 8.00    | 0.315        | 9.00    | 0.354        |
| 10/10                  | 9.00    | 0.354        | 10.00   | 0.394        |
| 11/11                  | 10.00   | 0.394        | 11.00   | 0.433        |
| 12/12                  | 11.00   | 0.433        | 12.00   | 0.472        |
| 13/13                  | 12.00   | 0.472        | 13.00   | 0.512        |
| 14/14                  | 13.00   | 0.512        | 14.00   | 0.551        |
| 15/15                  | 14.00   | 0.551        | 15.00   | 0.591        |
| 16/16                  | 15.00   | 0.591        | 16.00   | 0.630        |
| 17/17                  | 16.00   | 0.630        | 17.00   | 0.669        |
| 18/18                  | 17.00   | 0.669        | 18.00   | 0.709        |
| 19/19                  | 18.00   | 0.709        | 19.00   | 0.748        |
| 20/20                  | 19.00   | 0.748        | 20.00   | 0.787        |
| 21/21                  | 20.00   | 0.787        | 21.00   | 0.827        |
| 22/22                  | 21.00   | 0.827        | 22.00   | 0.866        |
| 23/23                  | 22.00   | 0.866        | 23.00   | 0.906        |
| 24/24                  | 23.00   | 0.906        | 24.00   | 0.945        |
| 25/25                  | 24.00   | 0.945        | 25.00   | 0.984        |
| 26/26                  | 25.00   | 0.984        | 26.00   | 1.024        |
| 27/27                  | 26.00   | 1.024        | 27.00   | 1.063        |
| 28/28                  | 27.00   | 1.063        | 28.00   | 1.102        |
| 29/29                  | 28.00   | 1.102        | 29.00   | 1.142        |
| 30/30                  | 29.00   | 1.142        | 30.00   | 1.181        |
| 31/31                  | 30.00   | 1.181        | 31.00   | 1.220        |
| 32/32                  | 31.00   | 1.220        | 32.00   | 1.260        |
| 33/33                  | 32.00   | 1.260        | 33.00   | 1.299        |
| 34/34                  | 33.00   | 1.299        | 34.00   | 1.339        |
| 35/35                  | 34.00   | 1.339        | 35.00   | 1.378        |
| 36/36                  | 35.00   | 1.378        | 36.00   | 1.417        |
| 37/37                  | 36.00   | 1.417        | 37.00   | 1.457        |
| 38/38                  | 37.00   | 1.457        | 38.00   | 1.496        |
| 39/39                  | 38.00   | 1.496        | 39.00   | 1.535        |
| 40/40                  | 39.00   | 1.535        | 40.00   | 1.575        |
| 41/41                  | 40.00   | 1.575        | 41.00   | 1.614        |
| 42/42                  | 41.00   | 1.614        | 42.00   | 1.654        |
| 43/43                  | 42.00   | 1.654        | 43.00   | 1.693        |
| 44/44                  | 43.00   | 1.693        | 44.00   | 1.732        |
| 45/45                  | 44.00   | 1.732        | 45.00   | 1.772        |
| 46/46                  | 45.00   | 1.772        | 46.00   | 1.811        |
| 47/47                  | 46.00   | 1.811        | 47.00   | 1.850        |
| 48/48                  | 47.00   | 1.850        | 48.00   | 1.890        |
| 49/49                  | 48.00   | 1.890        | 49.00   | 1.929        |
| 50/50                  | 49.00   | 1.929        | 50.00   | 1.969        |

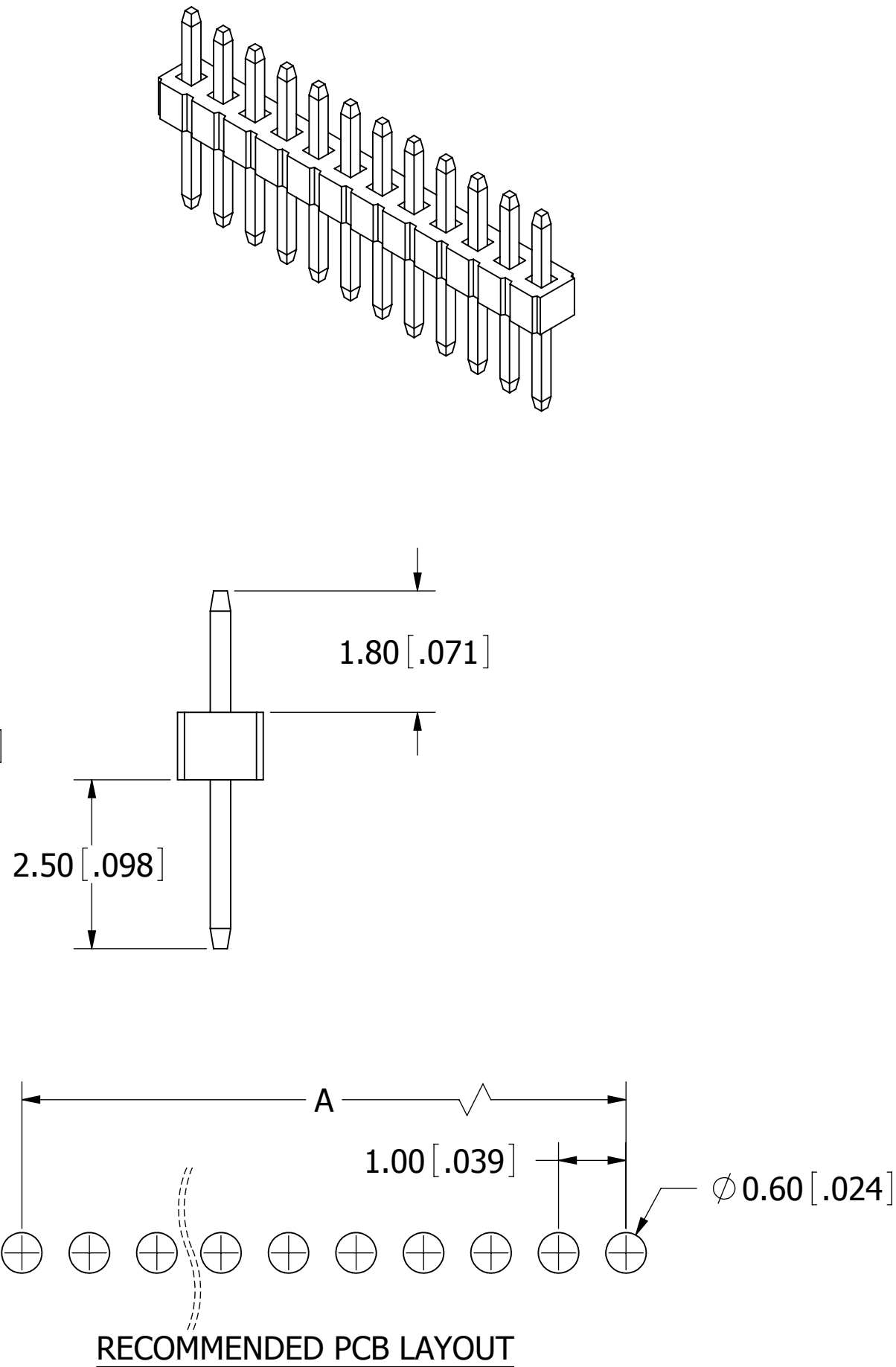
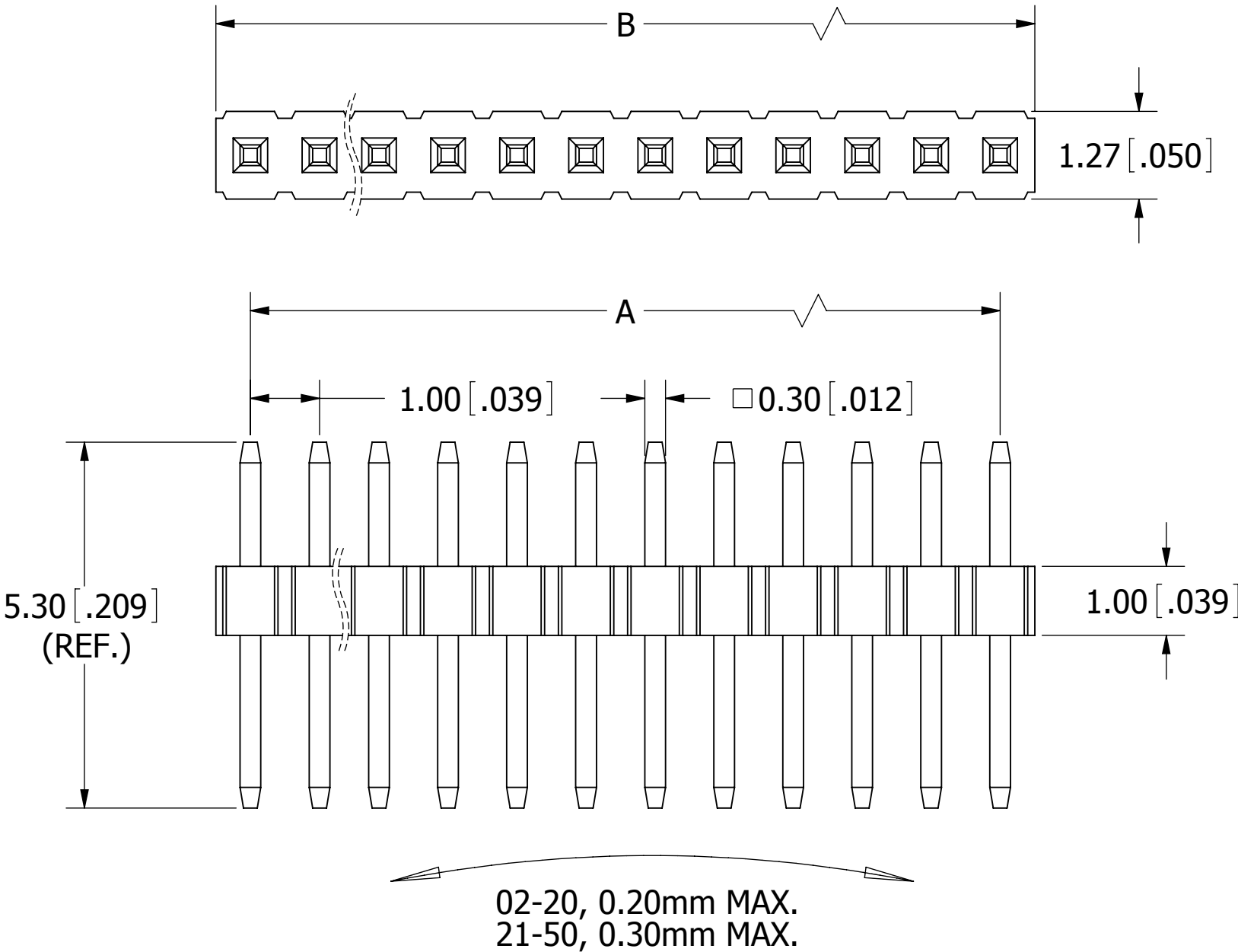
NOTES:  
1. INSULATOR MATERIAL: L.C.P, UL 94V-0, BLACK COLOR.  
2. CONTACT MATERIAL: PHOSPHOR BRONZE.  
3. CONTACT PLATING: SEE PART NUMBER CODING.  
4. CURRENT RATING: 1 AMP.  
5. INSULATOR RESISTANCE: 1000 MEGA OHMS MIN.  
6. CONTACT RESISTANCE: 20 MILLI OHMS MAX.  
7. DIELECTRIC WITHSTANDING: AC 300V.  
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.)

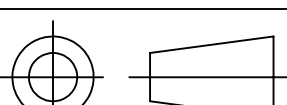
**PART NUMBER CODING**  
**SMH100-LP\_E-S\_-ST-BK**

**TERMINATION**  
STRAIGHT

**NUMBER OF POSITIONS**  
(CONTACTS PER ROW, 2 THRU 50)

**PLATING**  
P = GOLD FLASH OVERALL.  
S = 10u" GOLD OVERALL.



|                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                 |                 |                                               |                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN MM[INCHES]<br>TOLERANCES:<br>ANGULAR: ± 5°<br>.X=± .30 [.012]<br>.XX=± .20 [.008]<br>.XXX=± .10 [.004]<br>SURFACE FINISH: 63 Ra<br>REMOVE ALL BURRS AND SHARP EDGES .010 MAX<br><br>INTERPRET DIMENSIONS AND GEOMETRIC<br>TOLERANCING<br>PER: ANSI Y14.5M-1994 |                                                                                                                                                                                                                                                                 | DATE<br>2/05/09 | NAME<br>JH                                    |  <b>SULLINS</b><br>CONNECTOR SOLUTIONS |
|                                                                                                                                                                                                                                                                                                                 | 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. |                 | DESCRIPTION<br>HEADER, MALE 1mm CC, 1 ROW, ST |                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                            |                 | PART NUMBER<br><b>SMH100-LP_E-S_-ST-BK</b>    |                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                 |                 | SIZE<br><b>C</b>                              |                                                                                                                             |
| SCALE: 16:1                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                 |                 | SHEET 1 OF 1                                  |                                                                                                                             |