| POSITIONS/ | A | | B | |
|---|---|---|---|---|
| CONTACTS | MM±0.20 | [INCH±0.008] | MM±0.30 | [INCH±0.012] |
| 02/02 | 1.00 | 0.039 | 2.50 | 0.098 |
| 03/03 | 2.00 | 0.079 | 3.50 | 0.138 |
| 04/04 | 3.00 | 0.118 | 4.50 | 0.177 |
| 05/05 | 4.00 | 0.157 | 5.50 | 0.217 |
| 06/06 | 5.00 | 0.197 | 6.50 | 0.256 |
| 07/07 | 6.00 | 0.236 | 7.50 | 0.295 |
| 08/08 | 7.00 | 0.276 | 8.50 | 0.335 |
| 09/09 | 8.00 | 0.315 | 9.50 | 0.374 |
| 10/10 | 9.00 | 0.354 | 10.50 | 0.413 |
| 11/11 | 10.00 | 0.394 | 11.50 | 0.453 |
| 12/12 | 11.00 | 0.433 | 12.50 | 0.492 |
| 13/13 | 12.00 | 0.472 | 13.50 | 0.531 |
| 14/14 | 13.00 | 0.512 | 14.50 | 0.571 |
| 15/15 | 14.00 | 0.551 | 15.50 | 0.610 |
| 16/16 | 15.00 | 0.591 | 16.50 | 0.650 |
| 17/17 | 16.00 | 0.630 | 17.50 | 0.689 |
| 18/18 | 17.00 | 0.669 | 18.50 | 0.728 |
| 19/19 | 18.00 | 0.709 | 19.50 | 0.768 |
| 20/20 | 19.00 | 0.748 | 20.50 | 0.807 |
| 21/21 | 20.00 | 0.787 | 21.50 | 0.846 |
| 22/22 | 21.00 | 0.827 | 22.50 | 0.886 |
| 23/23 | 22.00 | 0.866 | 23.50 | 0.925 |
| 24/24 | 23.00 | 0.906 | 24.50 | 0.965 |
| 25/25 | 24.00 | 0.945 | 25.50 | 1.004 |
| 26/26 | 25.00 | 0.984 | 26.50 | 1.043 |
| 27/27 | 26.00 | 1.024 | 27.50 | 1.083 |
| 28/28 | 27.00 | 1.063 | 28.50 | 1.122 |
| 29/29 | 28.00 | 1.102 | 29.50 | 1.161 |
| 30/30 | 29.00 | 1.142 | 30.50 | 1.201 |
| 31/31 | 30.00 | 1.181 | 31.50 | 1.240 |
| 32/32 | 31.00 | 1.220 | 32.50 | 1.280 |
| 33/33 | 32.00 | 1.260 | 33.50 | 1.319 |
| 34/34 | 33.00 | 1.299 | 34.50 | 1.358 |
| 35/35 | 34.00 | 1.339 | 35.50 | 1.398 |
| 36/36 | 35.00 | 1.378 | 36.50 | 1.437 |
| 37/37 | 36.00 | 1.417 | 37.50 | 1.476 |
| 38/38 | 37.00 | 1.457 | 38.50 | 1.516 |
| 39/39 | 38.00 | 1.496 | 39.50 | 1.555 |
| 40/40 | 39.00 | 1.535 | 40.50 | 1.594 |
| 41/41 | 40.00 | 1.575 | 41.50 | 1.634 |
| 42/42 | 41.00 | 1.614 | 42.50 | 1.673 |
| 43/43 | 42.00 | 1.654 | 43.50 | 1.713 |
| 44/44 | 43.00 | 1.693 | 44.50 | 1.752 |
| 45/45 | 44.00 | 1.732 | 45.50 | 1.791 |
| 46/46 | 45.00 | 1.772 | 46.50 | 1.831 |
| 47/47 | 46.00 | 1.811 | 47.50 | 1.870 |
| 48/48 | 47.00 | 1.850 | 48.50 | 1.909 |
| 49/49 | 48.00 | 1.890 | 49.50 | 1.949 |
| 50/50 | 49.00 | 1.929 | 50.50 | 1.988 |

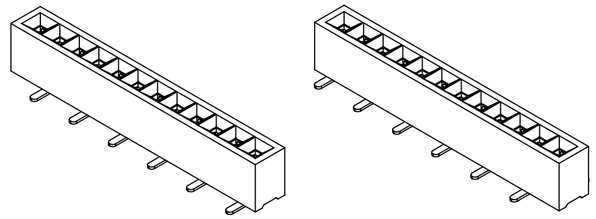
# PART NUMBER CODING
## SFM210-LP_E-S_ _-S_-BK

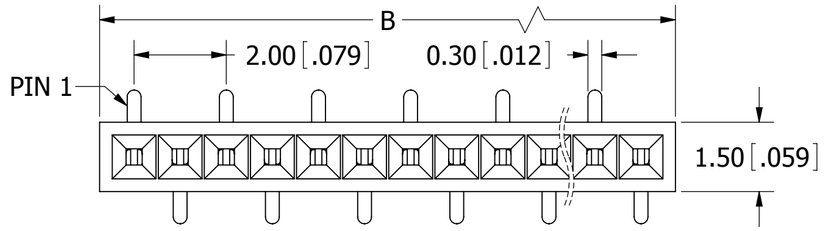
**MOUNTING STYLES**
C - SURFACE MOUNT, SINGLE ROW
PIN 1 (STANDARD)
D - SURFACE MOUNT, SINGLE ROW
PIN 1 (OPPOSITE BEND)

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

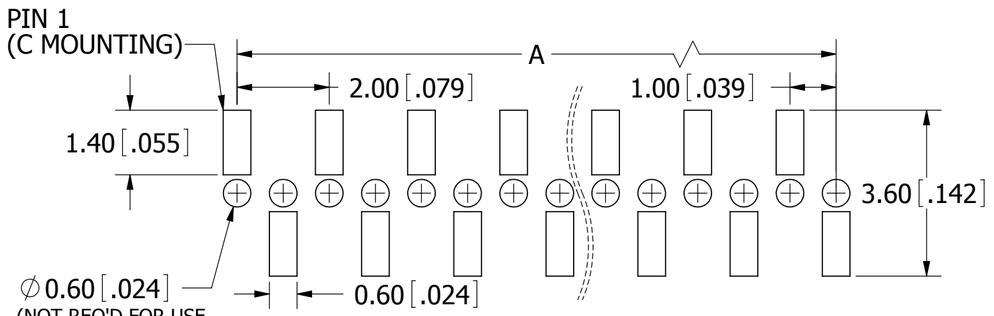
**PLATING**
P = GOLD FLASH OVERALL.
S = 10u" GOLD OVERALL.

| REVISIONS | | | | |
|---|---|---|---|---|
| REV. | ECO. NO | DESCRIPTION | DATE | BY |
| A | 1910 | INITIAL RELEASE | 2/5/2009 | JH |

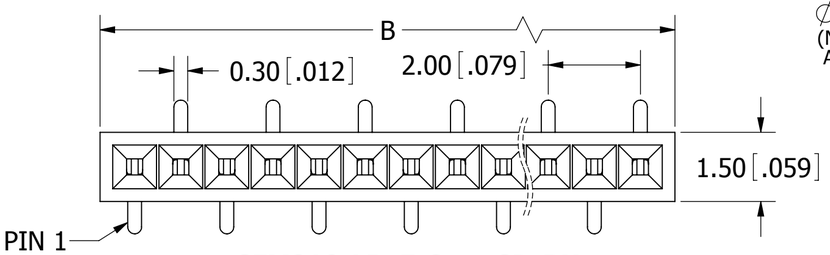




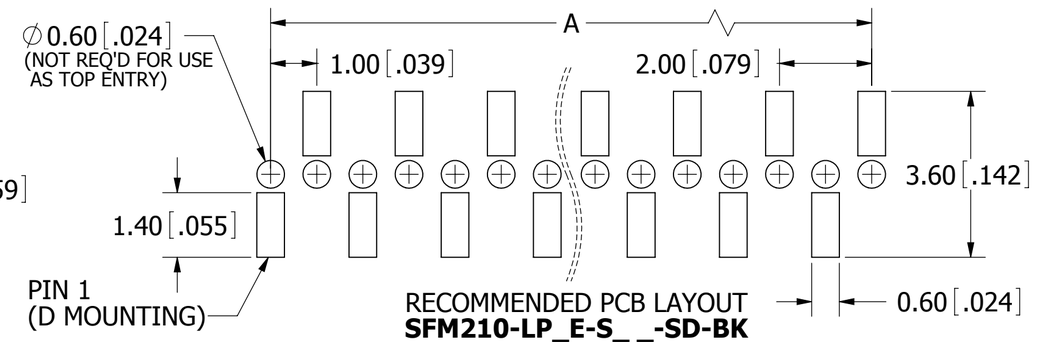

**SFM210-LP_E-S_ _-SC-BK**
(STANDARD)



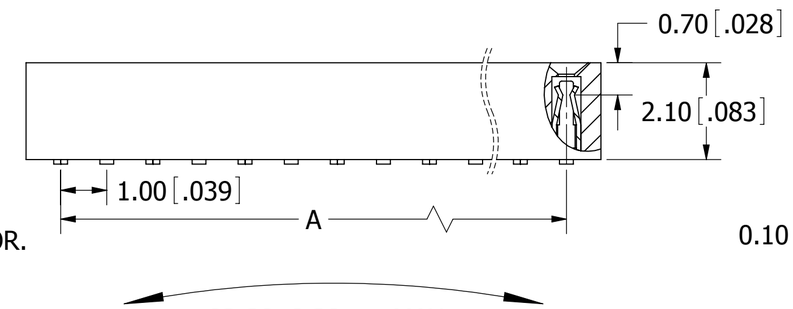

RECOMMENDED PCB LAYOUT
**SFM210-LP_E-S_ _-SC-BK**

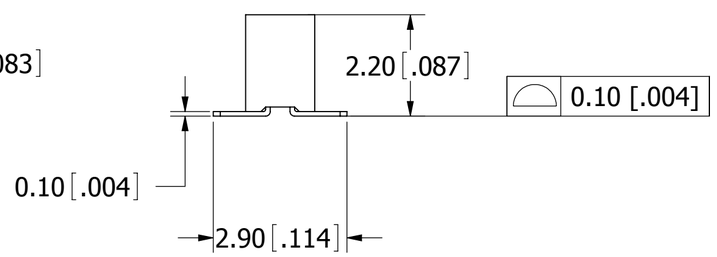



**SFM210-LP_E-S_ _-SD-BK**
(OPPOSITE BEND, APPLICABLE ON EVEN PIN COUNTS)




RECOMMENDED PCB LAYOUT
**SFM210-LP_E-S_ _-SD-BK**




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

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.)
10. FOR TOP/BOTTOM ENTRY.
11. CONSULT FACTORY FOR THE MATE IF BEING USED AS BOTTOM ENTRY.

RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MM[INCHES]
TOLERANCES:
ANGULAR: ± 5°
.X=± .30 [.012]
.XX=± .20 [.008]
.XXX=± .10 [.004]
SURFACE FINISH: 63 Ra
REMOVE ALL BURRS AND SHARP EDGES .010 MAX

INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING
PER: ANSI Y14.5M-1994

| | DATE | NAME |
|---|---|---|
| DRAWN | 2/05/09 | JH |

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SULLINS CONNECTOR SOLUTIONS

DESCRIPTION: HEADER, FEMALE 1mm CC, 1 ROW, SMT
PART NUMBER: **SFM210-LP_E-S_ _-S_-BK**

| SIZE | DWG. NO. | REV |
|---|---|---|
| C | 11198 | A |

SCALE: 16:1 | SHEET 1 OF 1