

| POSITIONS/ CONTACTS | A | | B | |
|------------------------|-------|-------|-------|--------|
| | INCH | MM | INCH | MM |
| 02/02 | 0.100 | 2.54 | 0.216 | 5.48 |
| 03/03 | 0.200 | 5.08 | 0.316 | 8.02 |
| 04/04 | 0.300 | 7.62 | 0.416 | 10.56 |
| 05/05 | 0.400 | 10.16 | 0.516 | 13.10 |
| 06/06 | 0.500 | 12.70 | 0.616 | 15.64 |
| 07/07 | 0.600 | 15.24 | 0.716 | 18.18 |
| 08/08 | 0.700 | 17.78 | 0.816 | 20.72 |
| 09/09 | 0.800 | 20.32 | 0.916 | 23.26 |
| 10/10 | 0.900 | 22.86 | 1.016 | 25.80 |
| 11/11 | 1.000 | 25.40 | 1.116 | 28.34 |
| 12/12 | 1.100 | 27.94 | 1.216 | 30.88 |
| 13/13 | 1.200 | 30.48 | 1.316 | 33.42 |
| 14/14 | 1.300 | 33.02 | 1.416 | 35.96 |
| 15/15 | 1.400 | 35.56 | 1.516 | 38.50 |
| 16/16 | 1.500 | 38.10 | 1.616 | 41.04 |
| 17/17 | 1.600 | 40.64 | 1.716 | 43.58 |
| 18/18 | 1.700 | 43.18 | 1.816 | 46.12 |
| 19/19 | 1.800 | 45.72 | 1.916 | 48.66 |
| 20/20 | 1.900 | 48.26 | 2.016 | 51.20 |
| 21/21 | 2.000 | 50.80 | 2.116 | 53.74 |
| 22/22 | 2.100 | 53.34 | 2.216 | 56.28 |
| 23/23 | 2.200 | 55.88 | 2.316 | 58.82 |
| 24/24 | 2.300 | 58.42 | 2.416 | 61.36 |
| 25/25 | 2.400 | 60.96 | 2.516 | 63.90 |
| 26/26 | 2.500 | 63.50 | 2.616 | 66.44 |
| 27/27 | 2.600 | 66.04 | 2.716 | 68.98 |
| 28/28 | 2.700 | 68.58 | 2.816 | 71.52 |
| 29/29 | 2.800 | 71.12 | 2.916 | 74.06 |
| 30/30 | 2.900 | 73.66 | 3.016 | 76.60 |
| 31/31 | 3.000 | 76.20 | 3.116 | 79.14 |
| 32/32 | 3.100 | 78.74 | 3.216 | 81.68 |
| 33/33 | 3.200 | 81.28 | 3.316 | 84.22 |
| 34/34 | 3.300 | 83.82 | 3.416 | 86.76 |
| 35/35 | 3.400 | 86.36 | 3.516 | 89.30 |
| 36/36 | 3.500 | 88.90 | 3.616 | 91.84 |
| 37/37 | 3.600 | 91.44 | 3.716 | 94.38 |
| 38/38 | 3.700 | 93.98 | 3.816 | 96.92 |
| 39/39 | 3.800 | 96.52 | 3.916 | 99.46 |
| 40/40 | 3.900 | 99.06 | 4.016 | 102.00 |

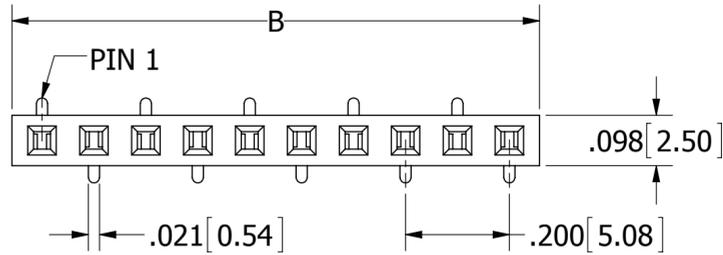
PART NUMBER CODING
SFM850-NPPC-S -S -BK

MOUNTING STYLES

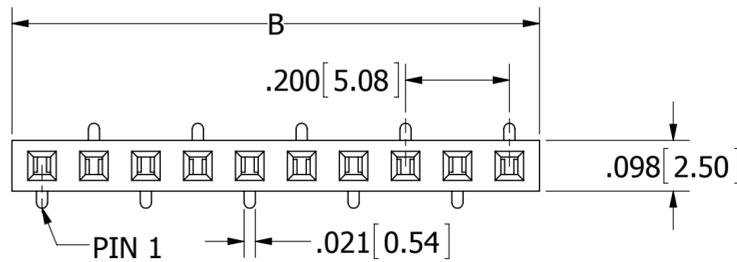
- C - SURFACE MOUNT, SINGLE ROW
PIN 1 (STANDARD)
- D - SURFACE MOUNT, SINGLE ROW
PIN 1 (OPPOSITE BEND)

NUMBER OF POSITIONS

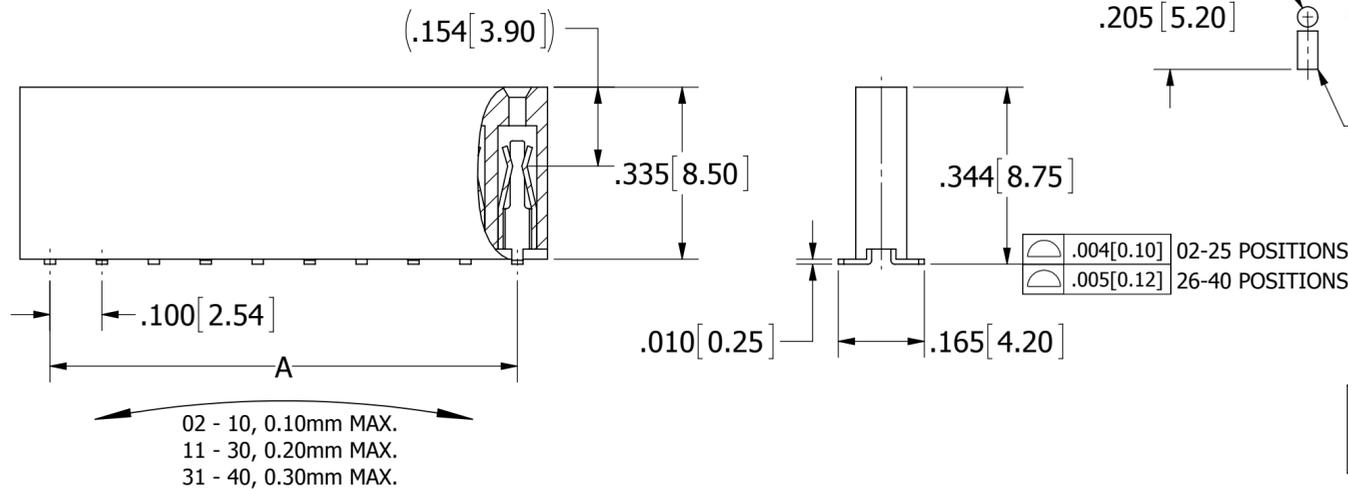
(CONTACTS PER ROW, 02 THRU 40)



SFM850-NPPC-S -SC-BK
(STANDARD)

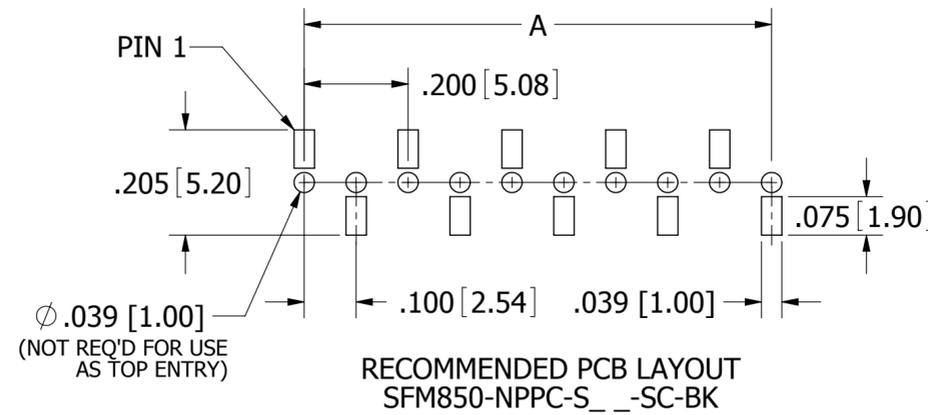


SFM850-NPPC-S -SD-BK
(OPPOSITE BEND, APPLICABLE ON EVEN PIN COUNTS)

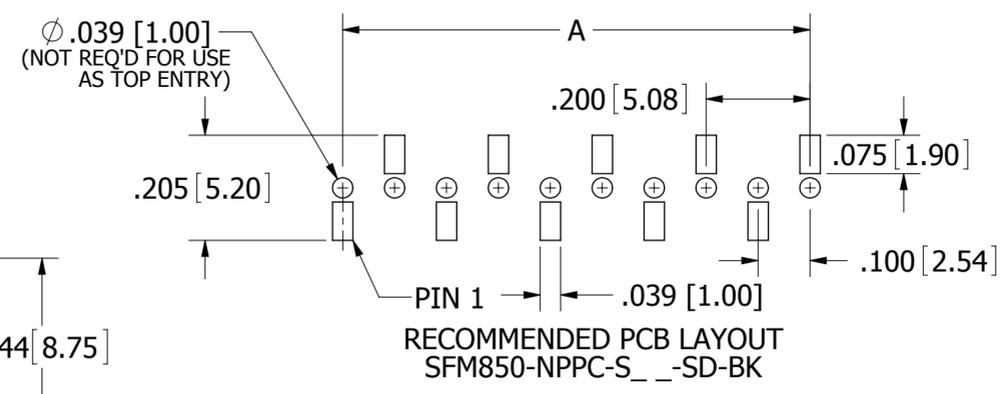


02 - 10, 0.10mm MAX.
 11 - 30, 0.20mm MAX.
 31 - 40, 0.30mm MAX.

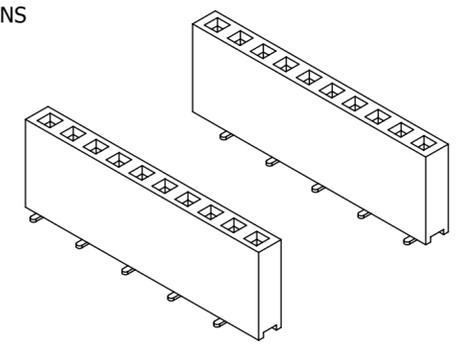
| REVISIONS | | | | |
|-----------|---------|----------------------------------------------------------------------------------|------------|----|
| REV. | ECO. NO | DESCRIPTION | DATE | BY |
| A | 2399 | INITIAL RELEASE | 07/15/2011 | GC |
| B | 3090 | UPGRADE INSULATOR MATERIAL AND UPDATE 'B' DIMENSION TABLE | 10/29/2014 | LH |
| C | 3522 | UPDATE FRONT VIEW, ADD WARP TOLERANCE AND SMT TAIL COPLANAR TOLERANCE ON DRAWING | 09/06/2016 | LH |



RECOMMENDED PCB LAYOUT
 SFM850-NPPC-S -SC-BK



RECOMMENDED PCB LAYOUT
 SFM850-NPPC-S -SD-BK



NOTES:

- INSULATOR MATERIAL: NYLON 9T, UL 94V-0, COLOR: BLACK
- CONTACT MATERIAL: PHOSPHOR BRONZE
- CONTACT PLATING: .000030" - .000050" NICKEL UNDERPLATE, GOLD FLASH OVERALL.
- CURRENT RATING: 3 AMPS
- INSULATOR RESISTANCE: 5000 MEGOHMS MIN.
- CONTACT RESISTANCE: 20 MILLIOHMS MAX.
- DIELECTRIC WITHSTANDING: 1000 V AC
- OPERATING TEMPERATURE: -40°C TO +105°C
- *PROCESSING TEMP.: 230°C MAX FOR 60 SECONDS (260°C MAX FOR 10 SECONDS)
- FOR TOP/BOTTOM ENTRY
- CONSULT FACTORY FOR THE MATE IF BEING USED AS BOTTOM ENTRY.
 *(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.)



RoHS COMPLIANT

| | | | | |
|-------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM] | DRAWN | DATE | NAME | |
| | | 07/15/11 | GC | |
| TOLERANCES: ANGULAR: ± 1° DECIMALS .XX = ± .012 [.3] .XXX = ± .008 [.20] .XXXX = ± .0040 [.100] | | | | 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. |
| TITLE HEADER FEMALE, .100 CC, T/B ENTRY | | | | PART NUMBER SFM850-NPPC-S -S -BK |
| SIZE C | CAGE CODE 54453 | DWG. NO. 11810 | REV C | |
| SCALE: 4:1 | | SHEET 1 OF 1 | | |