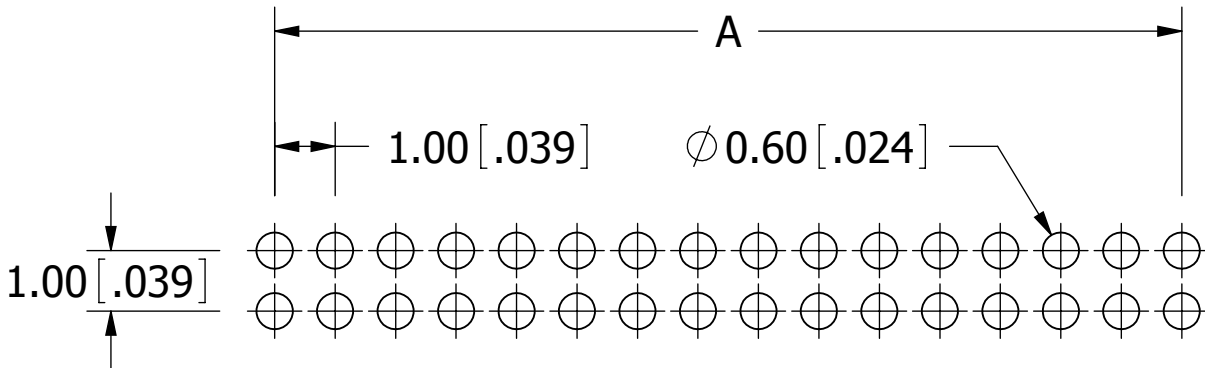
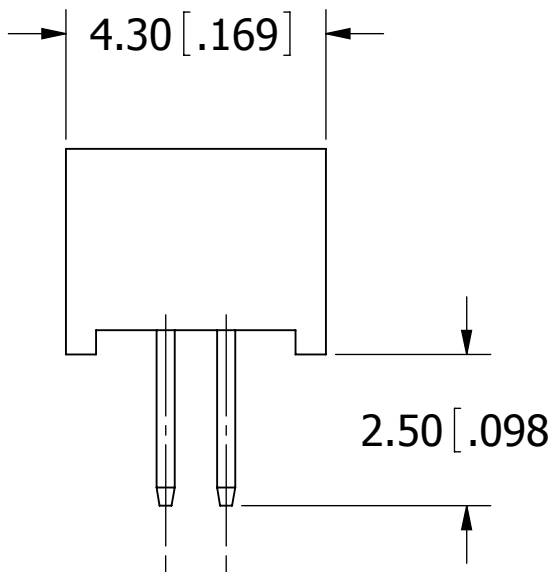
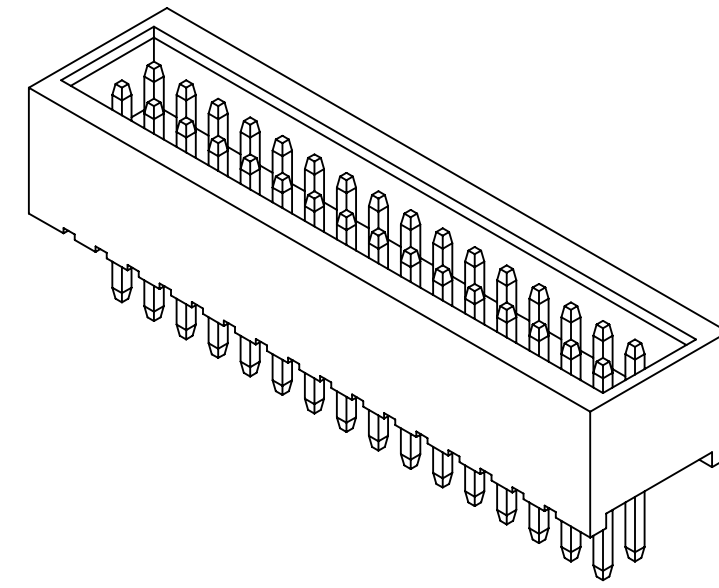
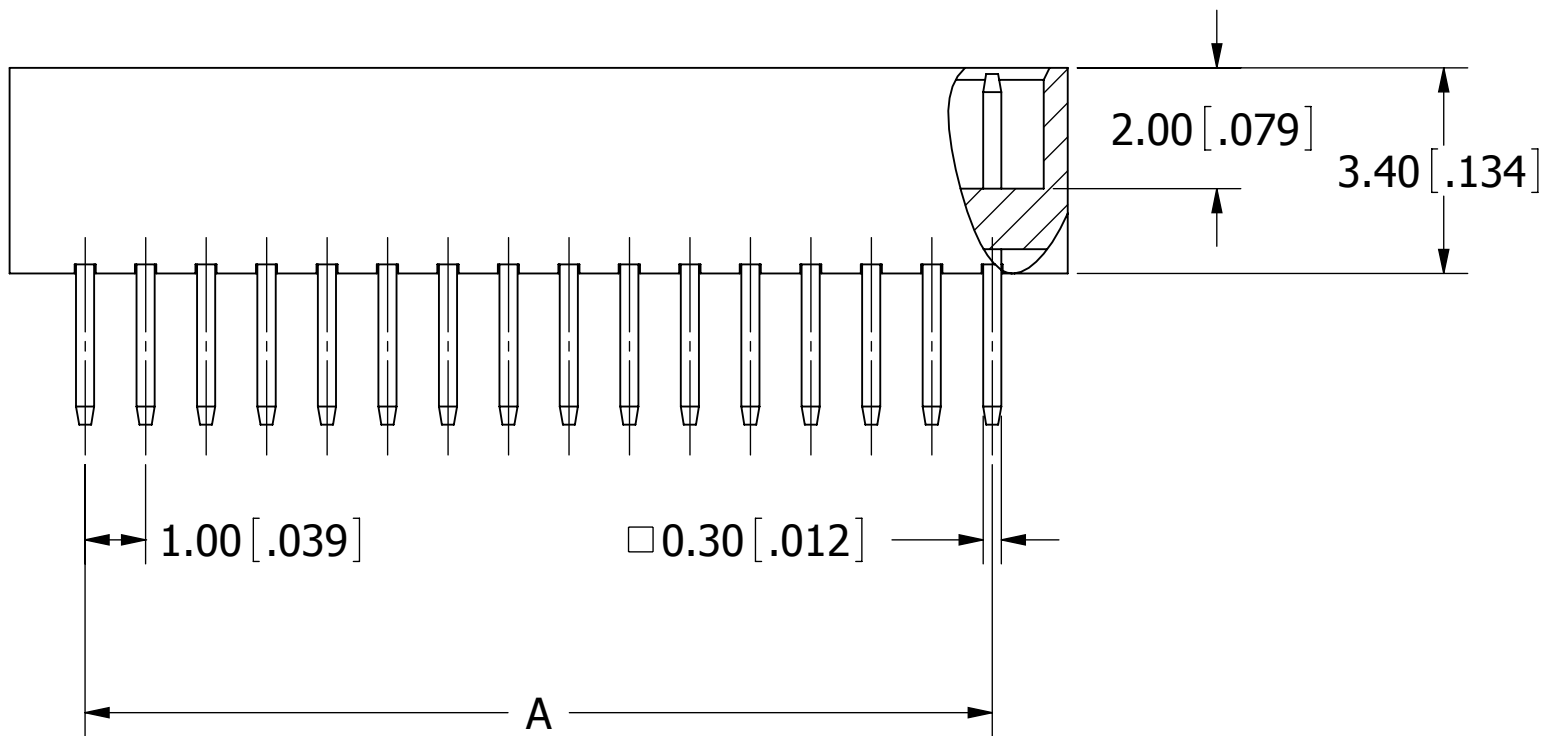
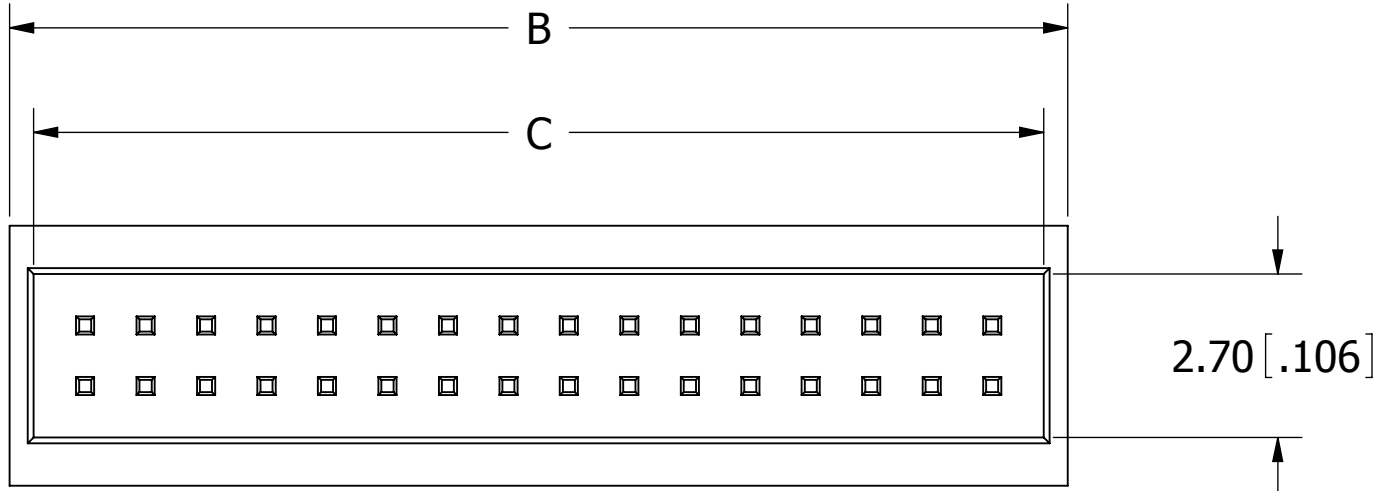


PART NUMBER CODING  
SBH51-LP\_E-D\_-ST-BK

**NUMBER OF POSITIONS**  
(CONTACTS PER ROW, 03 THRU 50)

**PLATING**  
.000030" - .000050" NICKEL UNDERPLATE,  
P= GOLD FLASH OVERALL  
S=.000010" GOLD OVERALL.



RECOMMENDED PCB LAYOUT

- NOTES:
1. INSULATOR MATERIAL: LCP, UL 94V-0, BLACK.
  2. CONTACT MATERIAL: PHOSPHOR BRONZE.
  3. CONTACT PLATING: SEE PART NUMBER CODING.
  4. CURRENT RATING: 1 AMP PER CONTACT.
  5. INSULATOR RESISTANCE: 1000 MEGA OHMS MIN.
  6. CONTACT RESISTANCE: 20 MILLIOHMS MAX.
  7. DIELECTRIC WITHSTANDING: 300V AC.
  8. OPERATING TEMPERATURE: -40° C TO +125° C.
  9. \*PROCESSING TEMP.: 230° C FOR 60 SECS MAX.  
(260° C FOR 10 SECS MAX.)
  10. MATES WITH SFM210 SERIES.

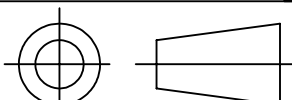
\*INDICATED TEMPERATURE AND TIME IS FOR COMPONENT INSULATOR. HIGHER PROCESSING TEMPERATURES MAY BE USED, PROVIDED HEAT IS APPLIED FROM BACK SIDE OF PCB, AND INSULATOR DOES NOT EXCEED INDICATED TEMPERATURE AND TIME.



RoHS COMPLIANT

| REVISIONS |         |                 |            |    |
|-----------|---------|-----------------|------------|----|
| REV.      | ECO. NO | DESCRIPTION     | DATE       | BY |
| A         | 2364    | INITIAL RELEASE | 06/08/2011 | LH |

| PART NUMBER          | POSITIONS/<br>CONTACTS | A     |       | B     |       | C     |       |
|----------------------|------------------------|-------|-------|-------|-------|-------|-------|
|                      |                        | MM    | INCH  | MM    | INCH  | MM    | INCH  |
| SBH51-LP_E-D03-ST-BK | 03/06                  | 2.00  | 0.079 | 4.50  | 0.177 | 3.70  | 0.146 |
| SBH51-LP_E-D04-ST-BK | 04/08                  | 3.00  | 0.118 | 5.50  | 0.217 | 4.70  | 0.185 |
| SBH51-LP_E-D05-ST-BK | 05/10                  | 4.00  | 0.157 | 6.50  | 0.256 | 5.70  | 0.224 |
| SBH51-LP_E-D06-ST-BK | 06/12                  | 5.00  | 0.197 | 7.50  | 0.295 | 6.70  | 0.264 |
| SBH51-LP_E-D07-ST-BK | 07/14                  | 6.00  | 0.236 | 8.50  | 0.335 | 7.70  | 0.303 |
| SBH51-LP_E-D08-ST-BK | 08/16                  | 7.00  | 0.276 | 9.50  | 0.374 | 8.70  | 0.343 |
| SBH51-LP_E-D09-ST-BK | 09/18                  | 8.00  | 0.315 | 10.50 | 0.413 | 9.70  | 0.382 |
| SBH51-LP_E-D10-ST-BK | 10/20                  | 9.00  | 0.354 | 11.50 | 0.453 | 10.70 | 0.421 |
| SBH51-LP_E-D11-ST-BK | 11/22                  | 10.00 | 0.394 | 12.50 | 0.492 | 11.70 | 0.461 |
| SBH51-LP_E-D12-ST-BK | 12/24                  | 11.00 | 0.433 | 13.50 | 0.531 | 12.70 | 0.500 |
| SBH51-LP_E-D13-ST-BK | 13/26                  | 12.00 | 0.472 | 14.50 | 0.571 | 13.70 | 0.539 |
| SBH51-LP_E-D14-ST-BK | 14/28                  | 13.00 | 0.512 | 15.50 | 0.610 | 14.70 | 0.579 |
| SBH51-LP_E-D15-ST-BK | 15/30                  | 14.00 | 0.551 | 16.50 | 0.650 | 15.70 | 0.618 |
| SBH51-LP_E-D16-ST-BK | 16/32                  | 15.00 | 0.591 | 17.50 | 0.689 | 16.70 | 0.657 |
| SBH51-LP_E-D17-ST-BK | 17/34                  | 16.00 | 0.630 | 18.50 | 0.728 | 17.70 | 0.697 |
| SBH51-LP_E-D18-ST-BK | 18/36                  | 17.00 | 0.669 | 19.50 | 0.768 | 18.70 | 0.736 |
| SBH51-LP_E-D19-ST-BK | 19/38                  | 18.00 | 0.709 | 20.50 | 0.807 | 19.70 | 0.776 |
| SBH51-LP_E-D20-ST-BK | 20/40                  | 19.00 | 0.748 | 21.50 | 0.846 | 20.70 | 0.815 |
| SBH51-LP_E-D21-ST-BK | 21/42                  | 20.00 | 0.787 | 22.50 | 0.886 | 21.70 | 0.854 |
| SBH51-LP_E-D22-ST-BK | 22/44                  | 21.00 | 0.827 | 23.50 | 0.925 | 22.70 | 0.894 |
| SBH51-LP_E-D23-ST-BK | 23/46                  | 22.00 | 0.866 | 24.50 | 0.965 | 23.70 | 0.933 |
| SBH51-LP_E-D24-ST-BK | 24/48                  | 23.00 | 0.906 | 25.50 | 1.004 | 24.70 | 0.972 |
| SBH51-LP_E-D25-ST-BK | 25/50                  | 24.00 | 0.945 | 26.50 | 1.043 | 25.70 | 1.012 |
| SBH51-LP_E-D26-ST-BK | 26/52                  | 25.00 | 0.984 | 27.50 | 1.083 | 26.70 | 1.051 |
| SBH51-LP_E-D27-ST-BK | 27/54                  | 26.00 | 1.024 | 28.50 | 1.122 | 27.70 | 1.091 |
| SBH51-LP_E-D28-ST-BK | 28/56                  | 27.00 | 1.063 | 29.50 | 1.161 | 28.70 | 1.130 |
| SBH51-LP_E-D29-ST-BK | 29/58                  | 28.00 | 1.102 | 30.50 | 1.201 | 29.70 | 1.169 |
| SBH51-LP_E-D30-ST-BK | 30/60                  | 29.00 | 1.142 | 31.50 | 1.240 | 30.70 | 1.209 |
| SBH51-LP_E-D31-ST-BK | 31/62                  | 30.00 | 1.181 | 32.50 | 1.280 | 31.70 | 1.248 |
| SBH51-LP_E-D32-ST-BK | 32/64                  | 31.00 | 1.220 | 33.50 | 1.319 | 32.70 | 1.287 |
| SBH51-LP_E-D33-ST-BK | 33/66                  | 32.00 | 1.260 | 34.50 | 1.358 | 33.70 | 1.327 |
| SBH51-LP_E-D34-ST-BK | 34/68                  | 33.00 | 1.299 | 35.50 | 1.398 | 34.70 | 1.366 |
| SBH51-LP_E-D35-ST-BK | 35/70                  | 34.00 | 1.339 | 36.50 | 1.437 | 35.70 | 1.406 |
| SBH51-LP_E-D36-ST-BK | 36/72                  | 35.00 | 1.378 | 37.50 | 1.476 | 36.70 | 1.445 |
| SBH51-LP_E-D37-ST-BK | 37/74                  | 36.00 | 1.417 | 38.50 | 1.516 | 37.70 | 1.484 |
| SBH51-LP_E-D38-ST-BK | 38/76                  | 37.00 | 1.457 | 39.50 | 1.555 | 38.70 | 1.524 |
| SBH51-LP_E-D39-ST-BK | 39/78                  | 38.00 | 1.496 | 40.50 | 1.594 | 39.70 | 2.196 |
| SBH51-LP_E-D40-ST-BK | 40/80                  | 39.00 | 1.535 | 41.50 | 1.634 | 40.70 | 2.235 |
| SBH51-LP_E-D41-ST-BK | 41/82                  | 40.00 | 1.575 | 42.50 | 1.673 | 41.70 | 2.275 |
| SBH51-LP_E-D42-ST-BK | 42/84                  | 41.00 | 1.614 | 43.50 | 1.713 | 42.70 | 2.314 |
| SBH51-LP_E-D43-ST-BK | 43/86                  | 42.00 | 1.654 | 44.50 | 1.752 | 43.70 | 2.354 |
| SBH51-LP_E-D44-ST-BK | 44/88                  | 43.00 | 1.693 | 45.50 | 1.791 | 44.70 | 2.393 |
| SBH51-LP_E-D45-ST-BK | 45/90                  | 44.00 | 1.732 | 46.50 | 1.831 | 45.70 | 2.432 |
| SBH51-LP_E-D46-ST-BK | 46/92                  | 45.00 | 1.772 | 47.50 | 1.870 | 46.70 | 2.472 |
| SBH51-LP_E-D47-ST-BK | 47/94                  | 46.00 | 1.811 | 48.50 | 1.909 | 47.70 | 2.511 |
| SBH51-LP_E-D48-ST-BK | 48/96                  | 47.00 | 1.850 | 49.50 | 1.949 | 48.70 | 2.550 |
| SBH51-LP_E-D49-ST-BK | 49/98                  | 48.00 | 1.890 | 50.50 | 1.988 | 49.70 | 2.590 |
| SBH51-LP_E-D50-ST-BK | 50/100                 | 49.00 | 1.929 | 51.50 | 2.028 | 50.70 | 2.629 |

|                                                                                                                                                                                                                                            |            |      |                                                                                       |           |              |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|---------------------------------------------------------------------------------------|-----------|--------------|-----|
| DRAWN                                                                                                                                                                                                                                      | DATE       | NAME |  |           |              |     |
|                                                                                                                                                                                                                                            | 06/08/2011 | LH   |                                                                                       |           |              |     |
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|                                                                                                                                                                                                                                            |            |      | BOX HEADER, 1.00mm[.039"] CC/RS, ST                                                   |           |              |     |
|                                                                                                                                                                                                                                            |            |      | PART NUMBER                                                                           |           |              |     |
|                                                                                                                                                                                                                                            |            |      | SBH51-LP_E-D_-ST-BK                                                                   |           |              |     |
|                                                                                                                                                       |            |      | SIZE                                                                                  | CAGE CODE | DWG. NO.     | REV |
|                                                                                                                                                                                                                                            |            |      | C                                                                                     | 54453     | 11774        | A   |
|                                                                                                                                                                                                                                            |            |      | SCALE: 8:1                                                                            |           | SHEET 1 OF 1 |     |