

DO NOT  
SCALE FROM  
THIS PRINT

1.  REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: 1LB.
3. COPLANARITY TO BE:  
-DH: -36 THRU -28 POS: .008[0.20]  
-02 THRU -27 POS: .006[0.15]  
-SV, SH: .006[0.15].
4. PACKAGE IN TUBES PER SHT 2, TABLE 2. ALL OTHER POSITIONS BULK PACKAGE.
5. MAXIMUM CUT FLASH: .015[0.38].
6. NOTCH OF PPP-12 TO BE ORIENTED TOWARD SAME END AS POSITION 1.
7. ROWS TO BE WITHIN .004[0.10] OF ONE ANOTHER.
8. -36 MAX POSITION AVAILABLE, -50 FOR STOCK ONLY.
9. ENDWALL AFTER CUTTING: .033[0.84]±.005[0.13]
10. DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, THE -LC OPTION IS NOT COMPATIBLE WITH AUTO PLACEMENT. SAMTEC RECOMMENDS MANUAL PLACEMENT FOR ALL ASSEMBLIES WITH THE -LC OPTION.
11. FOR -SV TAIL STYLE: EVEN CUTS LOSE 2 POSITIONS PER CUT; ODD CUTS LOSE 1 POSITION PER CUT.
12. IF POLARIZATION OCCURS AT CENTER POSITION(S) OF BODY, MOVE PICK & PLACE PAD LEFT OR RIGHT TO NEXT AVAILABLE POSITION.

 SSM-1XX-XXX-XX-XX-XX-X-XX-XX

## No OF POSITIONS

-02 THRU -36  
(SEE NOTE 8)

## PLATING SPECIFICATION

-S: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL.  
 -L: 10μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL.  
 -T: MATTE TIN ON CONTACT AND TAIL.  
 -F: 3μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL.  
 -STL: 30μ" SELECTIVE GOLD IN CONTACT AREA, TIN/LEAD (90/10) ON TAIL.  
 -H: 30μ" SELECTIVE GOLD IN CONTACT AREA, 3μ" SELECTIVE GOLD ON TAIL.  
 -LM: 10μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL.  
 -TM: MATTE TIN ON CONTACT AND TAIL.  
 -FM: 3μ" SELECTIVE GOLD IN CONTACT

## OPTION

-TR: TAPE AND REEL  
(SEE FIG 8, SHT 3)  
(29 POSITIONS MAX)

## OPTION

-P: PICK AND PLACE PAD  
(ONLY AVAILABLE ON -SV,  
USE PPP-12, SEE FIG 6, SHT 2)  
(SEE NOTE 12)  
-K: POLYIMIDE FILM PAD  
(SEE FIG 5, SHT 2)  
(USE K-500-S00)  
(NOT AVAILABLE ON -SH AND -DH)

## POLARIZATION OPTION

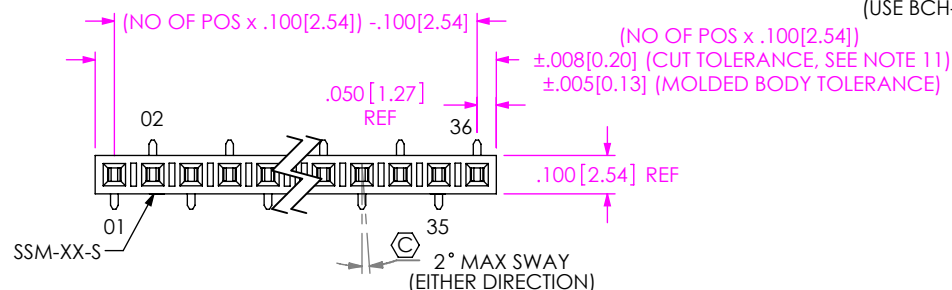
-XX: POSITION TO BE POLARIZED  
(USE PK-06-N, SEE FIG 7, SHT 2  
FOR POLARIZATION POSITIONS)  
(NOT AVAILABLE FOR -BE OPTION)

## MOUNTING OPTION

-LC: LOCKING CLIP  
(USE LC-05-TM, SEE NOTE 10)  
(FOR -SH AND -DH USE MOLDED TO  
POSITION BODIES)

## OPTION

-BE: BOTTOM ENTRY  
(ONLY AVAILABLE ON -SV)  
(USE SSM-XX-S-BE)  
(SEE FIG 2, SHT 2)



| TABLE 1         |            |            |
|-----------------|------------|------------|
| BODY/LEAD STYLE | CONTACT #1 | CONTACT #2 |
| -SV             | C-95-02-X  | N/A        |
| -SH             | C-58-06-X  | N/A        |
| -DH             | C-58-08-X  | C-58-07-X  |

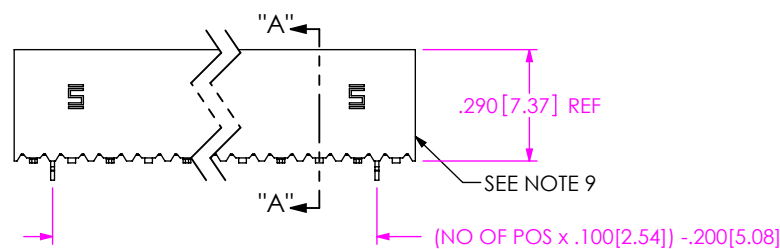
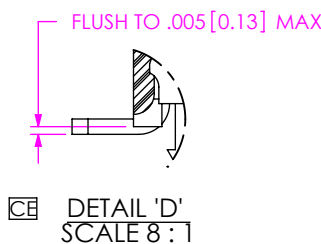
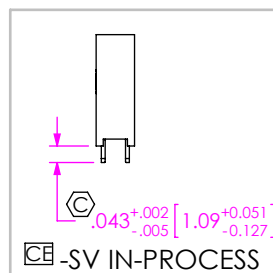
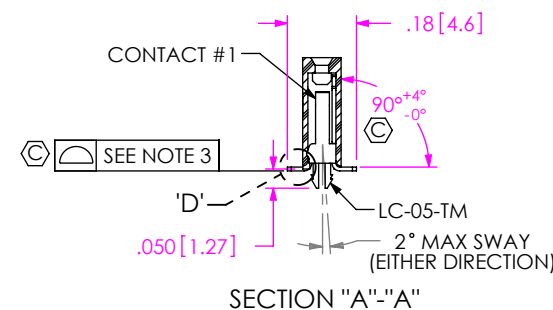


FIG 1  
-SV: SINGLE VERTICAL ROW  
(SSM-1XX-XXX-SV-LC SHOWN)

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES  
 .XX: ±.01 [0.3]  
 .XXX: ±.005 [0.13]  
 .XXXX: ±.0020 [0.051]

## PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION  
CONFIDENTIAL AND PROPRIETARY TO  
SAMTEC, INC. AND SHALL NOT BE REPRODUCED  
OR TRANSFERRED TO OTHER DOCUMENTS OR  
DISCLOSED TO OTHERS OR USED FOR ANY  
PURPOSE OTHER THAN THAT WHICH IT WAS  
OBTAINED WITHOUT THE EXPRESSED WRITTEN  
CONSENT OF SAMTEC, INC.

MATERIAL: DO NOT SCALE DRAWING

INSULATOR: LCP, UL 94 VO, COLOR: BLACK  
CONTACT: PHOS BRONZE

SHEET SCALE: 2:1



520 PARK EAST BLVD, NEW ALBANY, IN 47150  
 PHONE: 812-944-6733 FAX: 812-948-5047  
 e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:  
.100[2.54] C.L. SURFACE MOUNT SOCKET STRIP

DWG. NO.

SSM-1XX-XXX-XX-XX-XX-X-XX-XX

BY: KOLB

09/11/1998

SHEET 1 OF 3

# REVISION CE

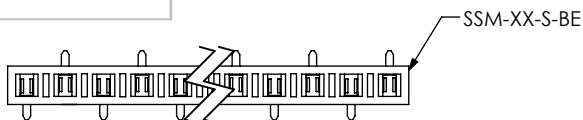


FIG 2

-SV-BE: SINGLE VERTICAL ROW BOTTOM ENTRY  
(SSM-1XX-XXX-SV-BE SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

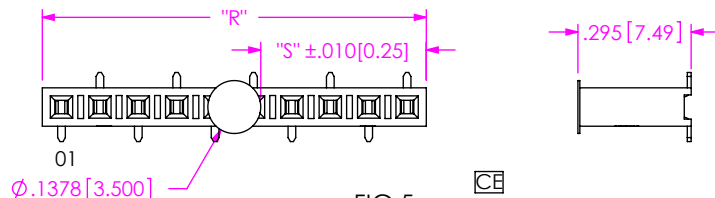


FIG 5

-K: KAPTON PAD  
(SSM-110-XXX-SV-K SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
"R" = SEE FIG 1, SHEET 1 FOR OAL  
"S" = "R"/2 - .0689 [1.750]

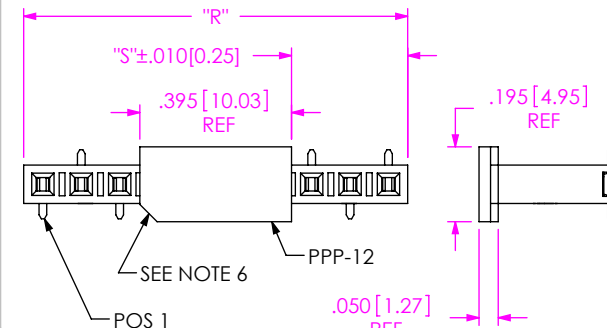


FIG 6

-P: PICK AND PLACE PAD  
(SSM-110-XXX-SV-P SHOWN)  
-02 AND -03 POS NOT AVAILABLE WITH POLARIZATION  
-04 POS - CANNOT OFFER IF POLARIZATION IS POS 2 OR 3  
-05 POS - CANNOT OFFER IF POLARIZATION IS POS 3  
\*MUST USE TR ON POS 2 & 3  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
"R" = SEE FIG 1, SHEET 1 FOR OAL  
"S" = IF NO OF POS IS ODD: "R"/2 - .1975 [5.017]  
IF NO OF POS IS EVEN: "R"/2 - .2475 [6.287]

IF CENTER POS IS POLARIZED, USE TABLE BELOW

| NO OF POS | DIRECTION PAD MOVED<br>(1 POS TO NEXT AVAIL) | MIN POS | FORMULA                     |
|-----------|----------------------------------------------|---------|-----------------------------|
| EVEN      | LEFT                                         | 6       | "S" = "R"/2 - .0975 [2.477] |
| EVEN      | RIGHT                                        | 6       | "S" = "R"/2 - .2975 [7.557] |
| ODD       | LEFT                                         | 5       | "S" = "R"/2 - .1475 [3.747] |
| ODD       | RIGHT                                        | 7       | "S" = "R"/2 - .3475 [8.827] |

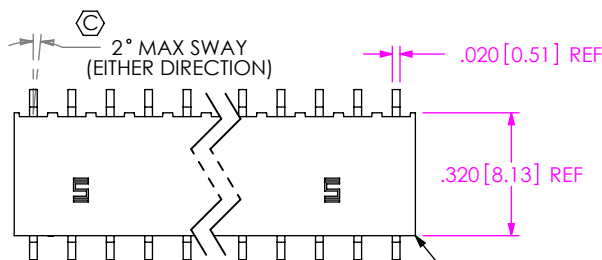


FIG 3

-SH: SINGLE HORIZONTAL  
(SSM-136-XXX-SH-LC SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

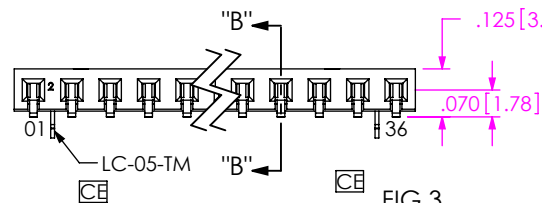
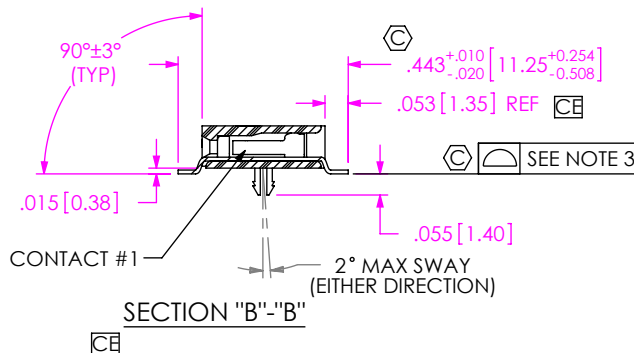
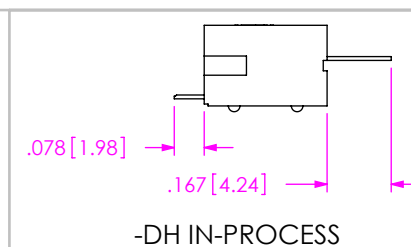


FIG 4

-DH: DOUBLE HORIZONTAL  
(SSM-1XX-XXX-DH-LC SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 3)



SECTION "B"- "B"



SECTION "C"- "C"

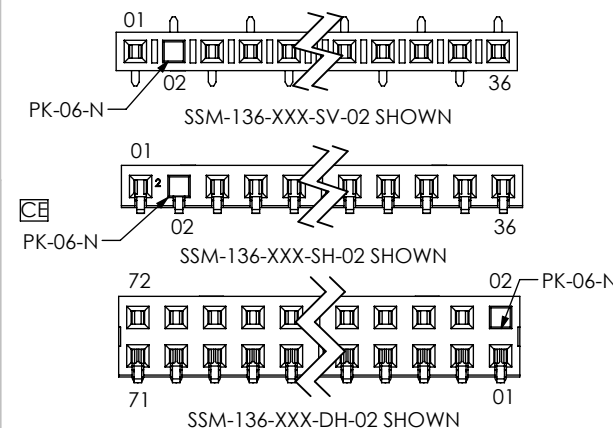


FIG 7

POLARIZATION  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

## PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION  
CONFIDENTIAL AND PROPRIETARY TO  
SAMTEC, INC. AND SHALL NOT BE REPRODUCED  
OR TRANSFERRED TO OTHER DOCUMENTS OR  
DISCLOSED TO OTHERS OR USED FOR ANY  
PURPOSE OTHER THAN THAT WHICH IT WAS  
OBTAINED WITHOUT THE EXPRESSED WRITTEN  
CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

**samtec**

520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:  
.100 [2.54] C.L. SURFACE MOUNT SOCKET STRIP

DWG. NO.  
SSM-1XX-XXX-XX-XX-XX-X-XX-XX

BY: KOLB 09/11/1998 SHEET 2 OF 3

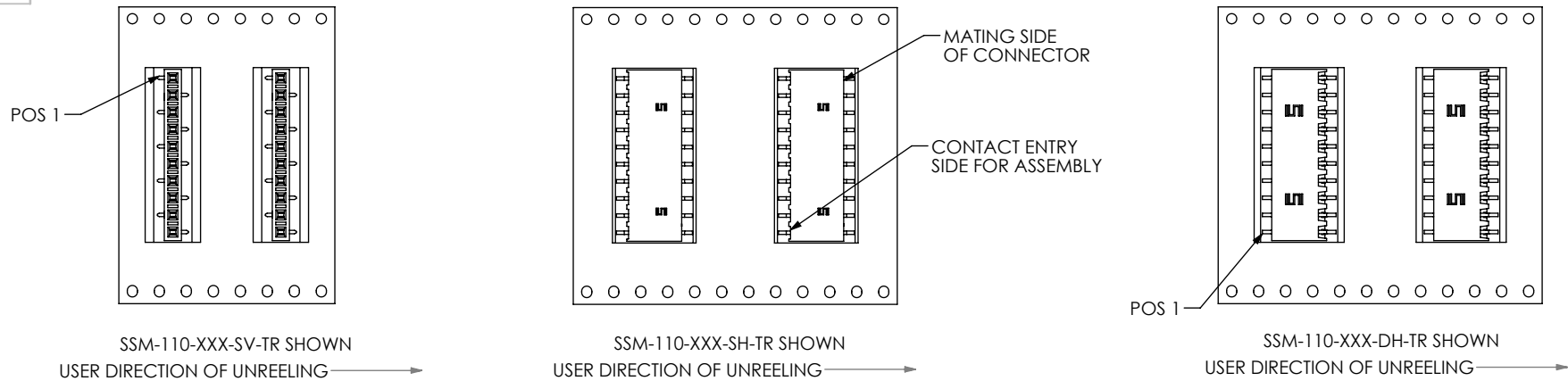
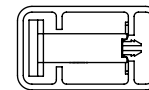
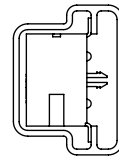
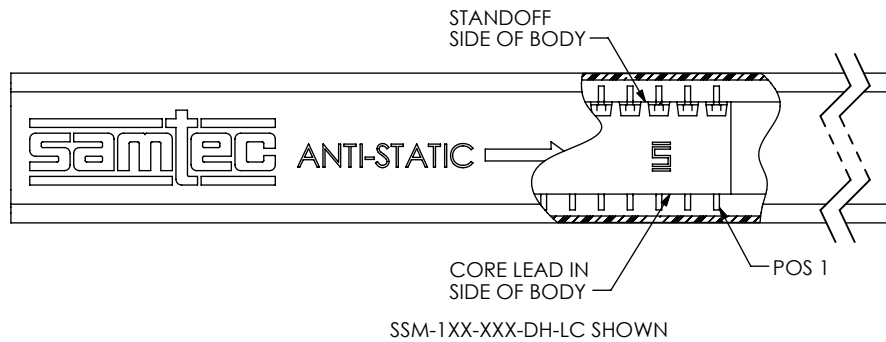
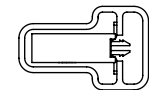


FIG 8  
-TR: TAPE AND REEL  
SCALE 1:1



SSM-1XX-XXX-SV-LC-P SHOWN  
(SSM-1XX-XXX-SV-LC-K SIMILAR)



SSM-1XX-XXX-SV-LC SHOWN

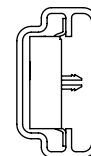
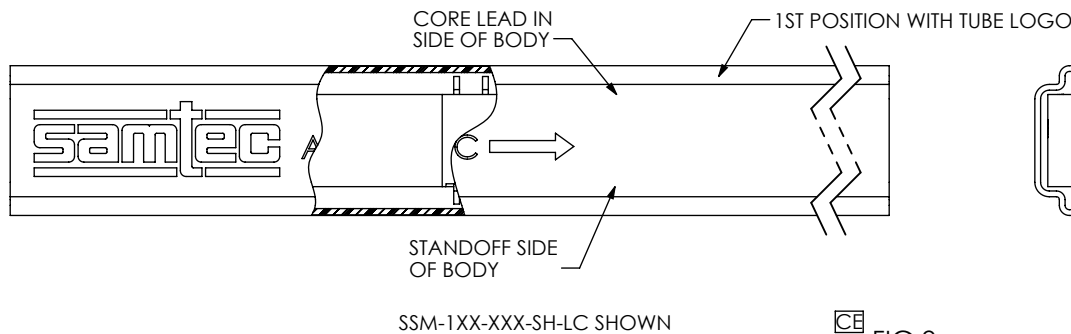


FIG 9  
TUBE VIEWS

TABLE 2

| PART NUMBER | TUBE          | PLUG      | POS TO BE TUBED (SEE NOTE 4) |
|-------------|---------------|-----------|------------------------------|
| SSM-SV      | PT-1-24-05-15 | TP-24 (2) | 03-36                        |
| SSM-SV-LC   |               |           | 03-36                        |
| SSM-SV-P    | PT-1-24-02-15 | TP-03 (2) | 04-36                        |
| SSM-SV-K    |               |           | 03-36                        |
| SSM-SH      | PT-1-24-07-15 | TP-03 (2) | 02-36                        |
| SSM-DH      | PT-1-24-06-15 | TP-07 (2) | 02-36                        |

PROPRIETARY NOTE  
THIS DOCUMENT CONTAINS INFORMATION  
CONFIDENTIAL AND PROPRIETARY TO  
SAMTEC, INC. AND SHALL NOT BE REPRODUCED  
OR TRANSFERRED TO OTHER DOCUMENTS OR  
DISCLOSED TO OTHERS OR USED FOR ANY  
PURPOSE OTHER THAN THAT WHICH IT WAS  
OBTAINED WITHOUT THE EXPRESSED WRITTEN  
CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 3:2



520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:  
.100[2.54] C.L. SURFACE MOUNT SOCKET STRIP

DWG. NO.  
SSM-1XX-XXX-XX-XX-XX-X-XX-XX

BY: KOLB 09/11/1998 SHEET 3 OF 3