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1.  $\text{Ⓢ}$  REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: .50 LBS.
3. COPLANARITY TO BE:  
-DH: -36 THRU -28 POS: .008[0.20]  
-02 THRU -27 POS: .006[0.15]  
-SV, SH FULL STRIP STOCK: .008[0.20] (MUST MEET ASSEMBLY SPEC WHEN CUT.
4. PACKAGE IN TUBES PER SHT 4, 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.
13. THIS DIMENSION IS TO BE MEASURED RELATIVE TO DATUM -Z.

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

## No OF POSITIONS

-02 THRU -36  
(SEE NOTE 8)

## OPTION

-TR: TAPE AND REEL  
(SEE FIG 8, SHT 4)  
(29 POSITIONS MAX)

## OPTION

-P: PICK AND PLACE PAD  
(ONLY AVAILABLE ON -SV,  
USE PPP-12, SEE FIG 6, SHT 3)  
(SEE NOTE 12)

-K: POLYIMIDE FILM PAD  
(SEE FIG 5, SHT 2)  
(USE K-DOT-.138-.250-.005)  
(NOT AVAILABLE ON -SH AND -DH)

## POLARIZATION OPTION

-XX: POSITION TO BE POLARIZED  
(USE PK-06-N, SEE FIG 7, SHT 3  
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)

## 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

## TAIL SPECIFICATION

-SV: SINGLE VERTICAL (SEE FIG 1)  
(USE SSM-XX-S)

-SH: SINGLE HORIZONTAL (SEE FIG 3, SHT 2)  
(USE SSM-XX-SH)

-DH: DOUBLE HORIZONTAL (SEE FIG 4, SHT 3)  
(USE BCH-XX-D)

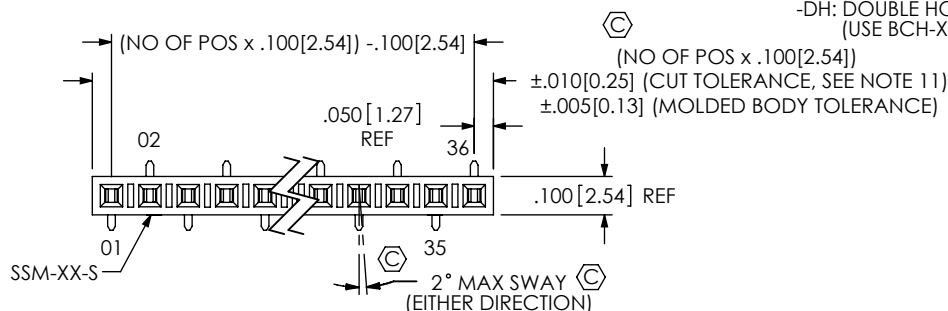
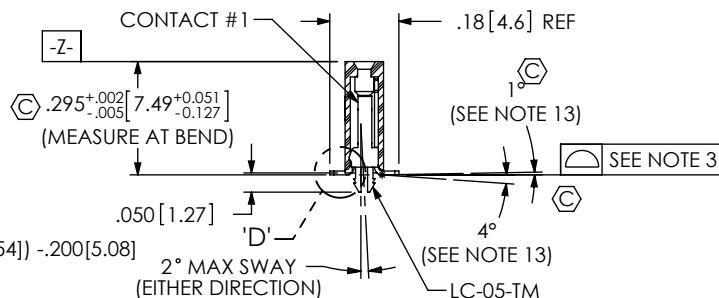
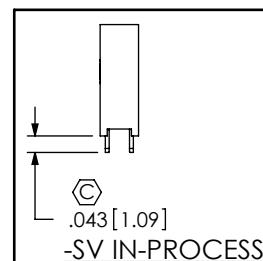


FIG 1  
-SV: SINGLE VERTICAL ROW  
(SSM-1XX-XXX-SV-LC SHOWN)

| 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  |



## SECTION "A"-A'

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES

.XX: ±.01 [0.3] 2°

.XXX: ±.005 [0.13]

.XXXX: ±.0020 [0.051]

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MATERIAL: DO NOT SCALE DRAWING

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

SHEET SCALE: 2:1

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 4

**samtec**

520 PARK EAST BLVD, NEW ALBANY, IN 47150  
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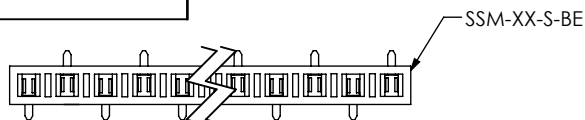


FIG 2

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

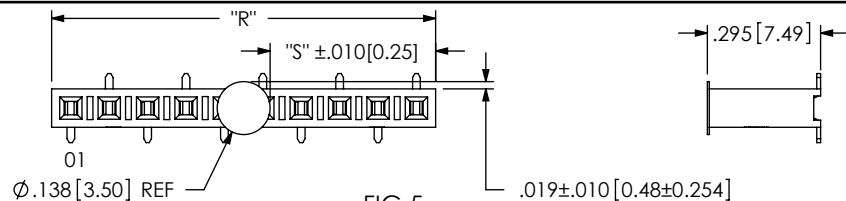


FIG 5

-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]

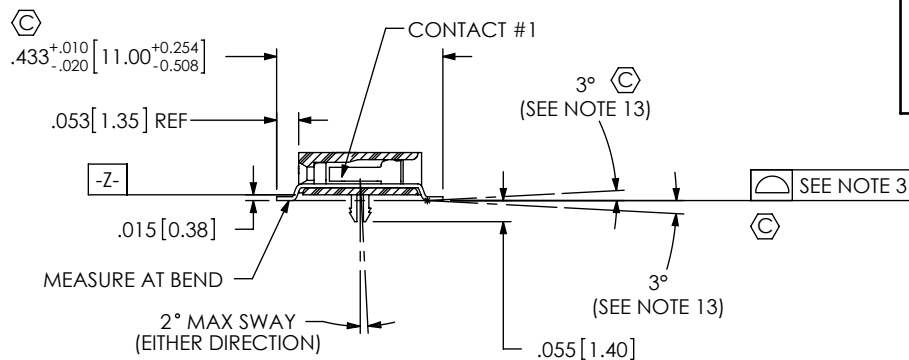
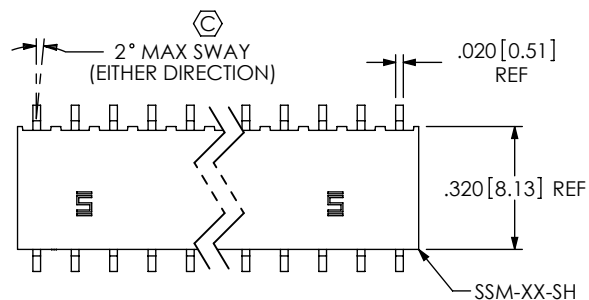
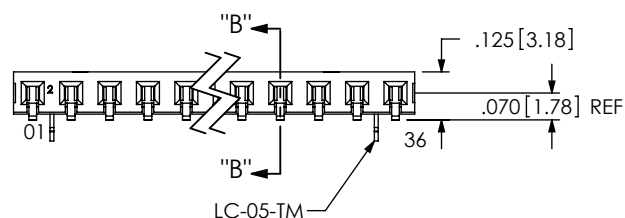


FIG 3

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



SECTION "B"-

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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 4

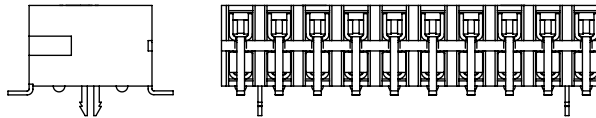
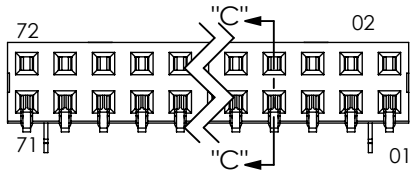
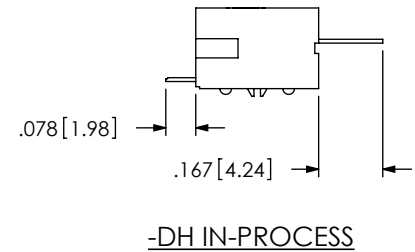
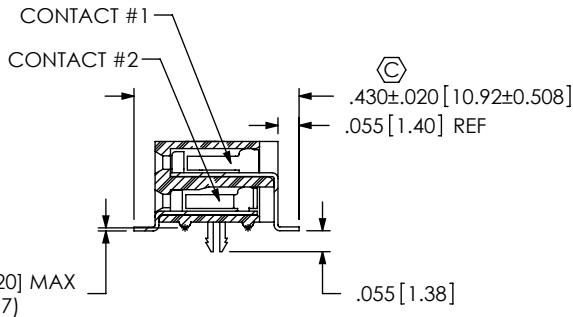
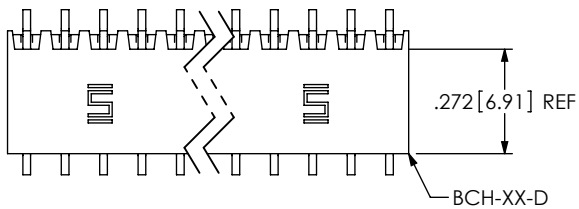


FIG 4  
-DH: DOUBLE HORIZONTAL  
(SSM-1XX-XXX-DH-LC SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 3)

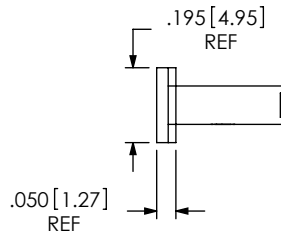
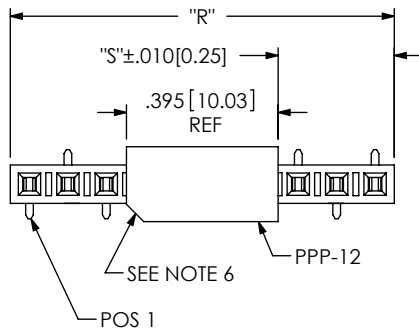


FIG 6  
-P: PICK AND PLACE PAD  
(SSM-110-XXX-SV-P SHOWN)  
-02 AND -03 POS NOT AVAILABLE WITH POLARIZATION  
-04 POS - CANNOT OFFER IF POLARIZATION IS POS 2 OR 3  
-05 POS - CANNOT OFFER IF POLARIZATION IS POS 3  
\*MUST USE TR ON POS 2 & 3  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
"R" = SEE FIG 1, SHEET 1 FOR OAL  
"S" = IF NO OF POS IS EVEN: "R"/2 - .1975 [5.017]  
IF NO OF POS IS ODD: "R"/2 - .2475 [6.287]

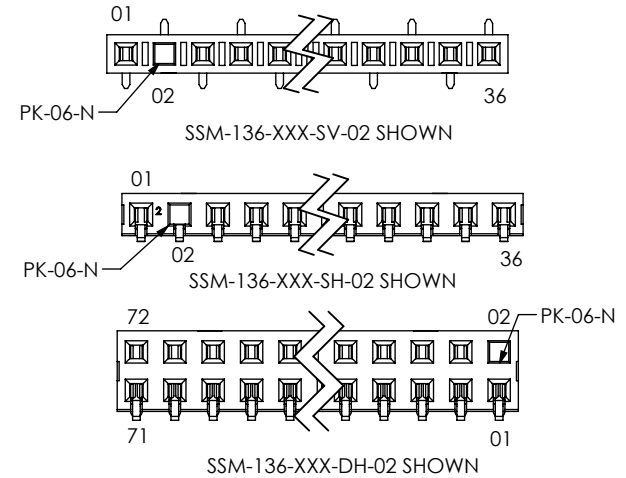


FIG 7  
POLARIZATION  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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] |

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

BY: KOLB 09/11/1998 SHEET 3 OF 4

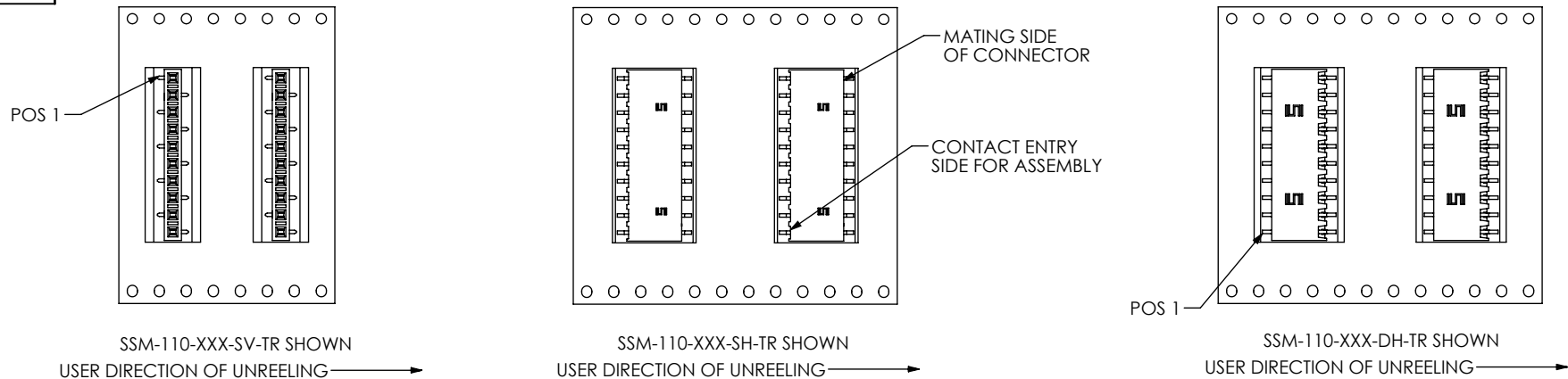


FIG 8  
-TR: TAPE AND REEL  
SCALE 1:1

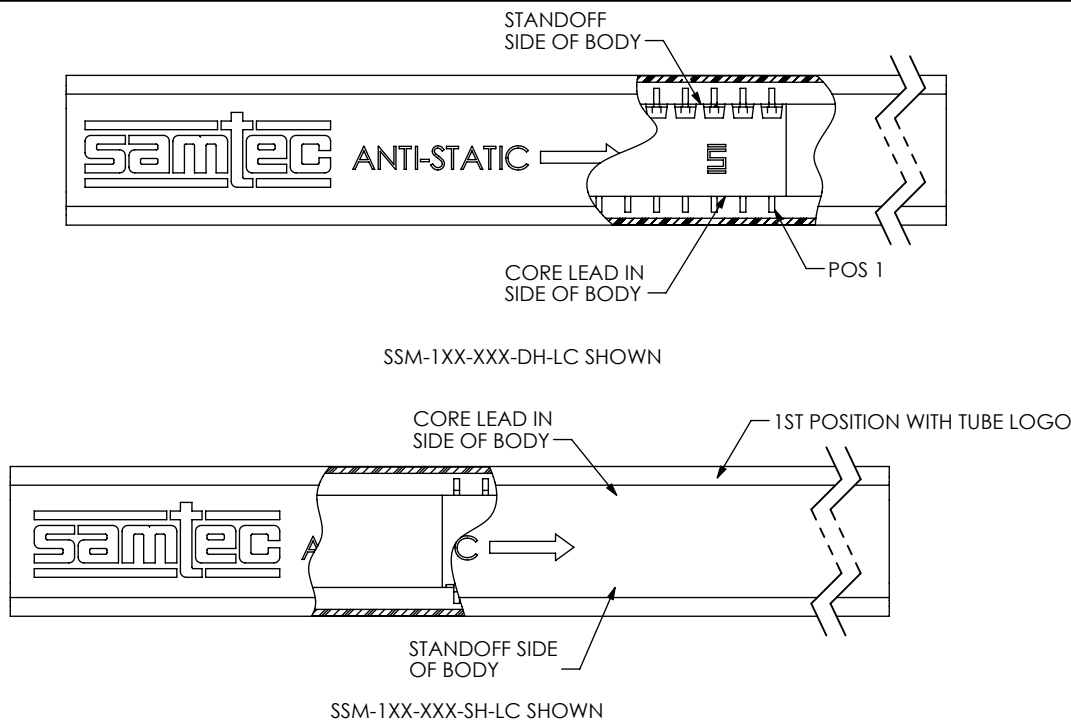
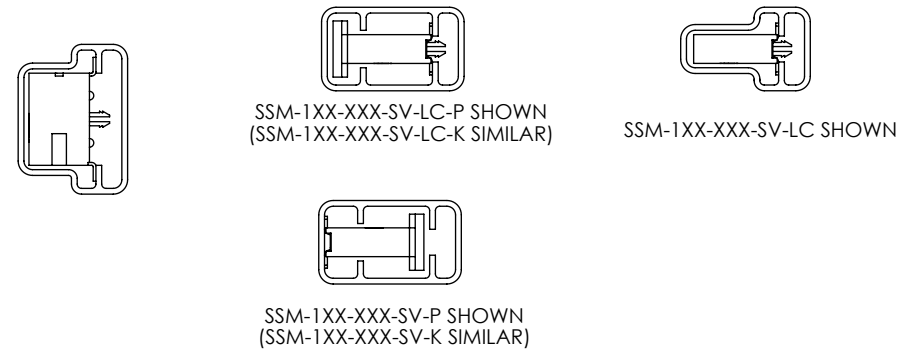


FIG 9  
TUBE VIEWS



| 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   |               |           | 02-36                        |
| 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                        |

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