

- ⊗ REPRESENTS A CRITICAL DIMENSION.
- MINIMUM PUSHOUT FORCE: .50 LBS.
- COPLANARITY TO BE:
  - DH: -36 THRU -28 POS: .008[0.20]
  - 02 THRU -27 POS: .006[0.15]
  - SV, -SH: -02 THRU 36 POS: .006 (FULL STRIP STOCK: .008).
- PACKAGE IN TUBES PER SHT 4, TABLE 2. ALL OTHER POSITIONS BULK PACKAGE.
- MAXIMUM CUT FLASH: .015[0.38].
- NOTCH OF PPP-12 TO BE ORIENTED TOWARD SAME END AS POSITION 1.
- ROWS TO BE WITHIN .004[0.10] OF ONE ANOTHER.
- 36 MAX POSITION AVAILABLE, -50 FOR STOCK ONLY.
- ENDWALL AFTER CUTTING: .033[0.84]±.005[0.13]
- 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.
- FOR -SV TAIL STYLE: EVEN CUTS LOSE 2 POSITIONS PER CUT; ODD CUTS LOSE 1 POSITION PER CUT.
- IF POLARIZATION OCCURS AT CENTER POSITION(S) OF BODY, MOVE PICK & PLACE PAD LEFT OR RIGHT TO NEXT AVAILABLE POSITION.
- THIS DIMENSION IS TO BE MEASURED RELATIVE TO DATUM -Z-.
- CHAMFERED END WALL MAY OR MAY NOT BE ON CUT TO POSITION PARTS.
- TR OPTION ORDERS INVOLVING PARTIAL REEL QUANTITIES MAY BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
- FR OPTIONS WILL BE SHIPPED AT THE MAX QUANTITY PER REEL, BASED ON OPTIONS SELECTED.

DO NOT SCALE FROM THIS PRINT

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

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)

OPTION

- TR: TAPE AND REEL (SEE FIG 8, SHT 4)  
(29 POSITIONS MAX) (SEE NOTE 15)
- FR: FULL REEL QTY. TAPE & REEL  
(29 POSITIONS MAX) (SEE NOTE 16)

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

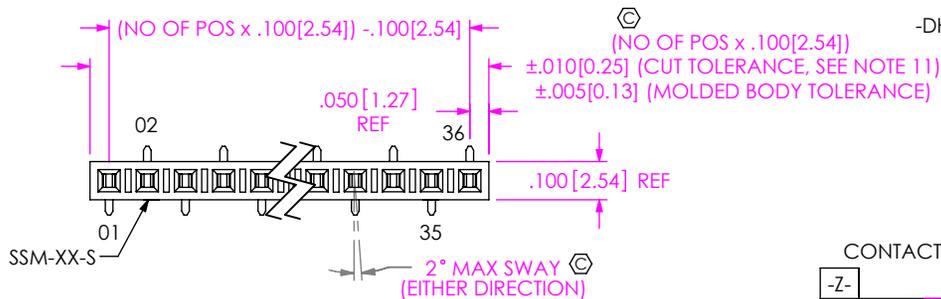
- XX: POSITION TO BE POLARIZED  
(USE PK-06-N, SEE FIG 7, SHT 3  
FOR POLARIZATION POSITIONS)  
(NOT AVAILABLE FOR -BE OPTION)

MOUNTING OPTION

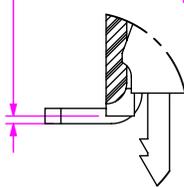
- LC: LOCKING CLIP  
(USE LC-05-TM, SEE NOTE 10)  
(FOR -SH AND -DH USE MOLDED TO  
POSITION BODIES)

OPTION

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



FLUSH TO .005[0.13] MAX



DETAIL 'D'  
SCALE 8:1

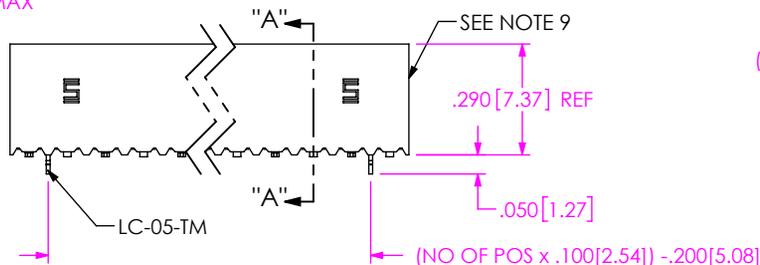
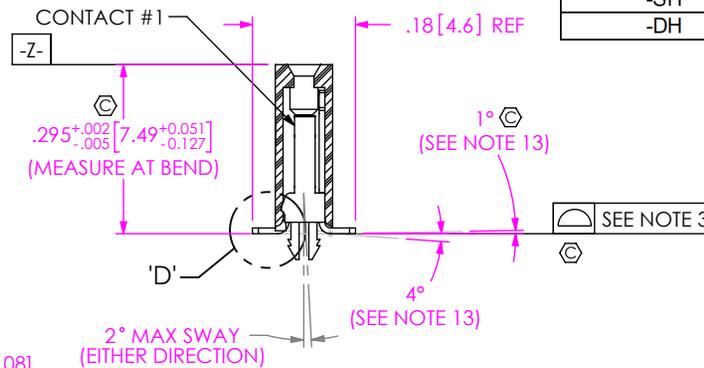
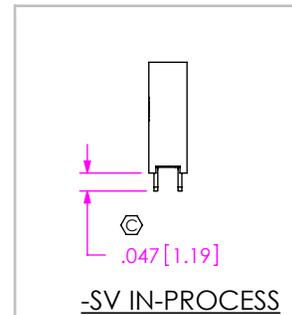


FIG 1  
-SV: SINGLE VERTICAL ROW  
(SSM-1XX-XXX-SV-LC SHOWN)



SECTION "A"-"A"  
SCALE 3:1

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



-SV IN-PROCESS

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 SHEET SCALE: 2:1  
INSULATOR: LCP, UL 94 VO, COLOR: BLACK  
CONTACT: PHOS BRONZE

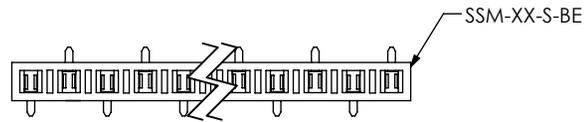
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.100[2.54] C.L. SURFACE MOUNT SOCKET STRIP

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

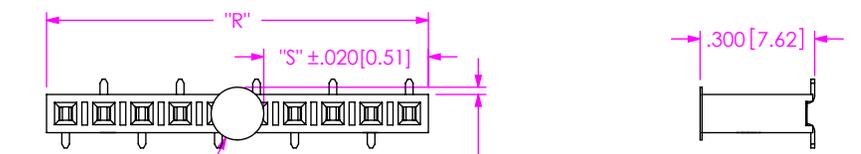
BY: KOLB 09/11/1998 SHEET 1 OF 4



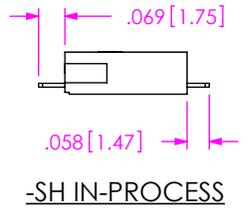
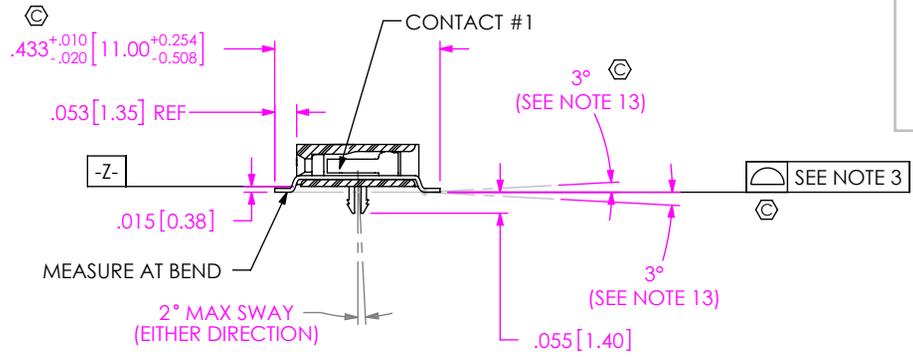
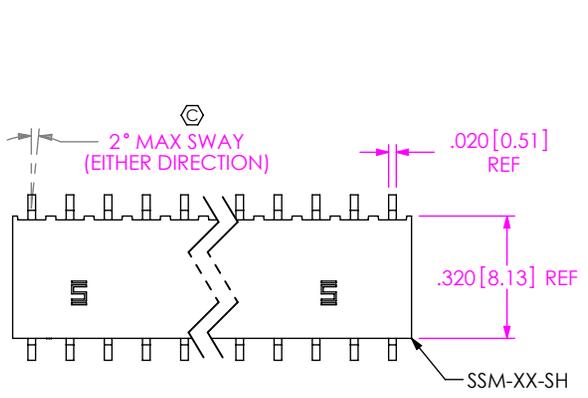
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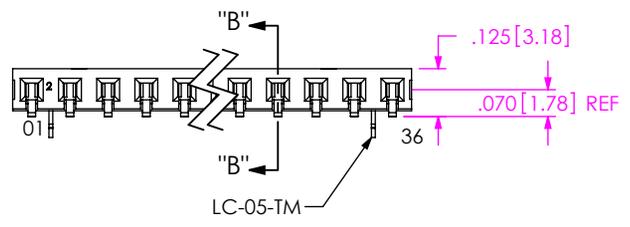
**FIG 2**  
 -SV-BE: SINGLE VERTICAL ROW BOTTOM ENTRY  
 (SSM-1XX-XXX-SV-BE SHOWN)  
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



**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]



SECTION "B"-"B"



**FIG 3**  
 -SH: SINGLE HORIZONTAL  
 (SSM-136-XXX-SH-LC SHOWN)  
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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 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 2 OF 4

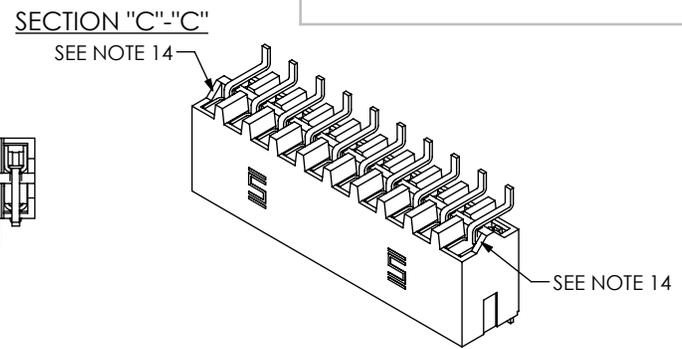
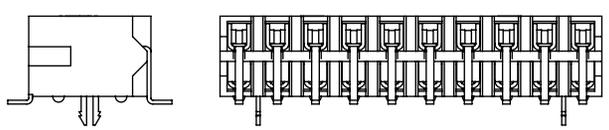
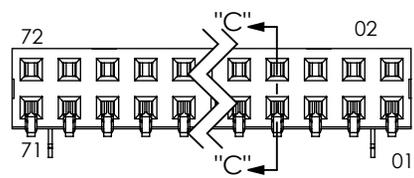
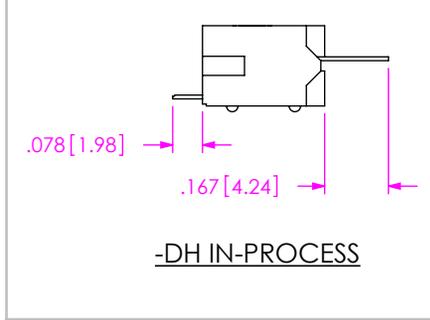
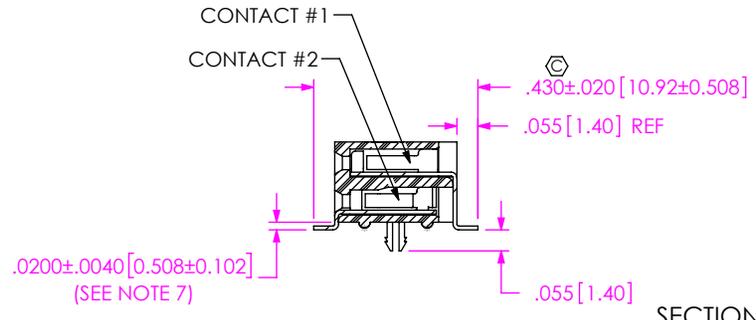
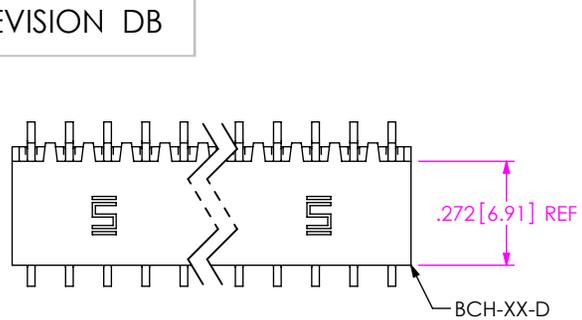


FIG 4  
-DH: DOUBLE HORIZONTAL  
(SSM-1XX-XXX-DH-LC SHOWN)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 3)

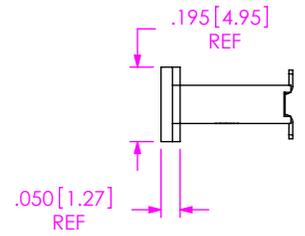
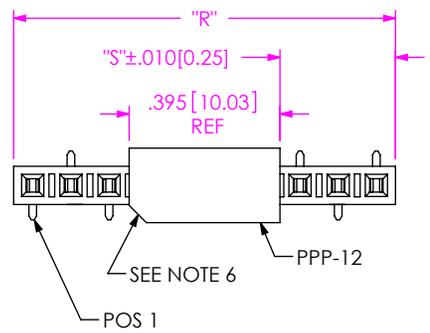


FIG 6  
-P: PICK AND PLACE PAD  
(SSM-110-XXX-SV-P SHOWN)  
-02 AND -03 POS NOT AVAILABLE WITH POLARIZATION  
-04 POS - CANNOT OFFER IF POLARIZATION IS POS 2 OR 3  
-05 POS - CANNOT OFFER IF POLARIZATION IS POS 3  
\*MUST USE TR ON POS 2 & 3  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
"R" = SEE 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]

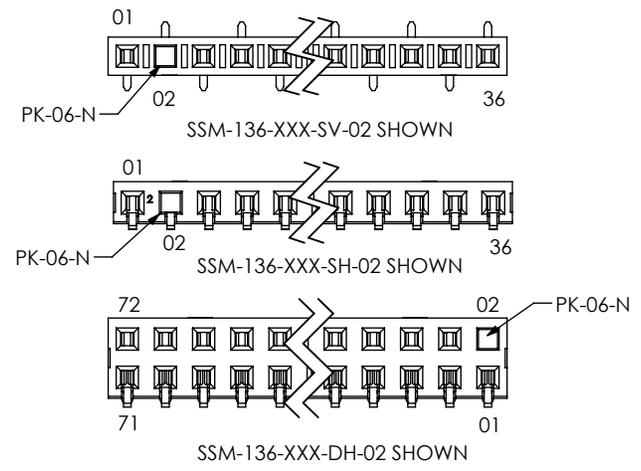


FIG 7  
POLARIZATION  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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SHEET SCALE: 3:2

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 4

IF CENTER POS IS POLARIZED, USE TABLE BELOW

NO OF POS	DIRECTION PAD MOVED (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]

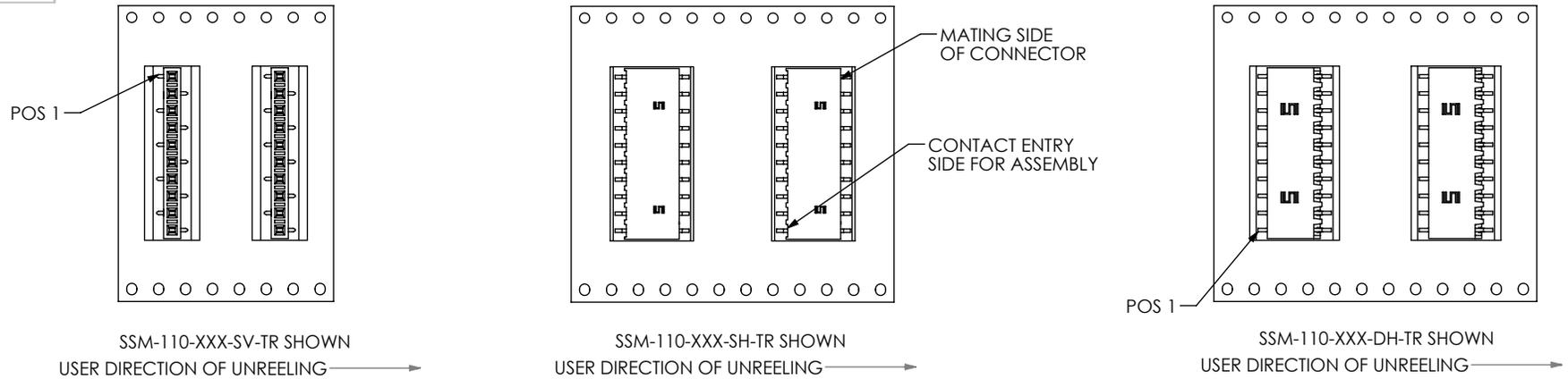


FIG 8  
-TR: TAPE AND REEL  
SCALE 1:1

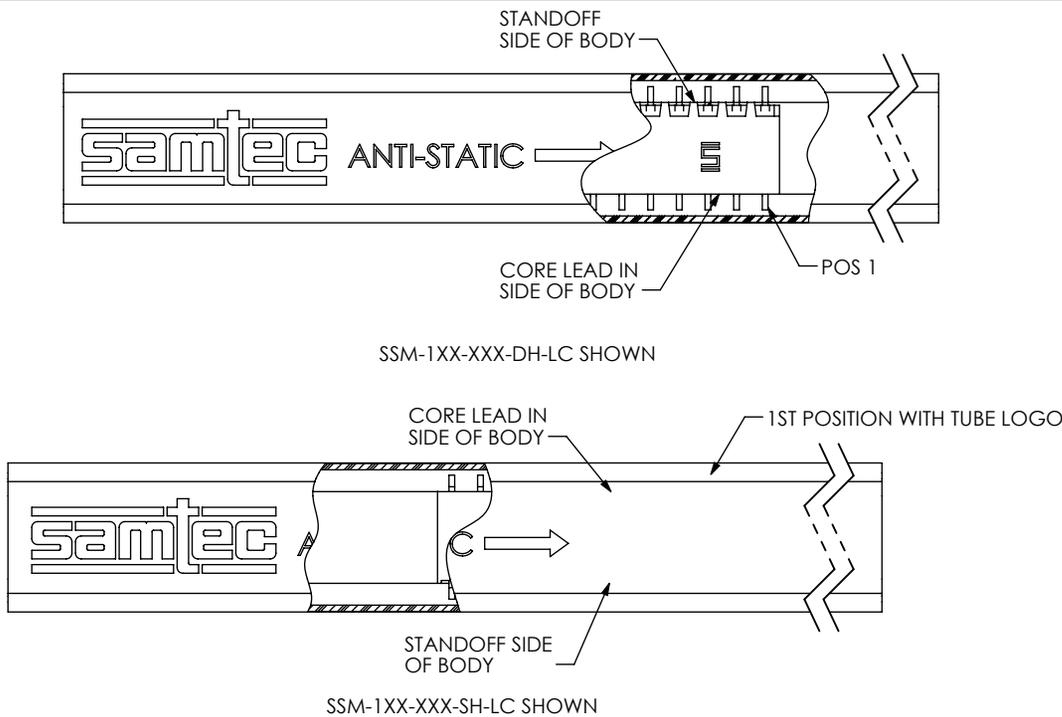


FIG 9  
TUBE VIEWS

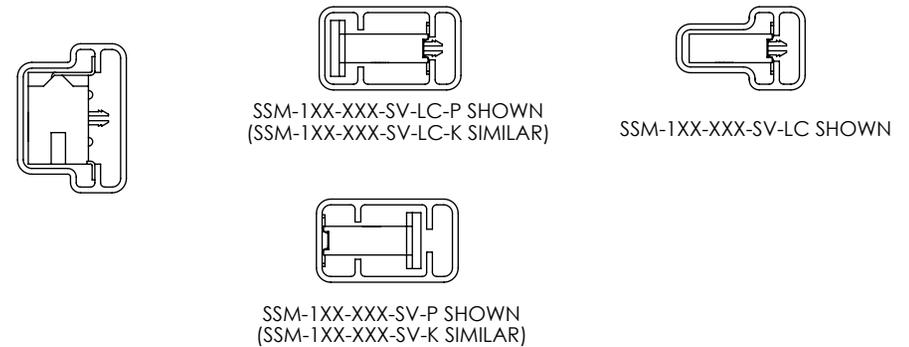


TABLE 2			
PART NUMBER	TUBE	PLUG	POS TO BE TUBED (SEE NOTE 4)
SSM-SV	PT-1-24-05-15	TP-24 (2)	03-36
SSM-SV-LC			02-36
SSM-SV-P	PT-1-24-02-15	TP-03 (2)	04-36
SSM-SV-K			03-36
SSM-SH	PT-1-24-07-15	TP-03 (2)	02-36
SSM-DH	PT-1-24-06-15	TP-07 (2)	02-36

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SHEET SCALE: 3:2



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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 4 OF 4