

DO NOT SCALE FROM THIS PRINT

**TABLE 1**  
LEAD STYLE SPECIFICATION

-XX	-S, -D, -T, -P	-S-RA, -P-RA	-D-RA	-T-RA
-01	C-08-1-XXX	N/A	N/A	N/A
-02	C-08-2-XXX	C-08-2-XXX	C-08-2-XXX C-08-3-XXX	C-08-2-XXX C-08-3-XXX C-08-5-XXX
-03	C-08-3-XXX	C-08-3-XXX	C-08-3-XXX C-08-5-XXX	N/A
-04	C-08-5-XXX	C-08-5-XXX	N/A	N/A
-06	C-08-6-XXX	N/A	N/A	N/A
-21	C-17-1-XXX	N/A	N/A	N/A
-22	C-17-2-XXX	C-17-2-XXX	C-17-2-XXX C-17-3-XXX	C-17-2-XXX C-17-3-XXX C-17-5-XXX
-23	C-17-3-XXX	C-17-3-XXX	C-17-3-XXX C-17-5-XXX	N/A
-24	C-17-5-XXX	C-17-5-XXX	N/A	N/A

**TABLE 4**

ROW OPTION	BODY
-S	SSW-XX-S
-D	SSW-XX-D
-D-N	NSW-XX-D-N-XX
-T	SSW-XX-T
-P	SSW-XX-P
-Q	SSW-XX-T

SSW-1XX-XX-XXX-X-XX-XXX-XX

No OF POSITIONS  
-01 THRU -50  
(-P OPTION: 36 POS MAX)

LEAD STYLE  
(SEE TABLE 1)  
-01 THRU -06 (STD. INS. FORCE)  
-21 THRU -24 (LOW INS. FORCE)

OPTION  
-LL: LOCKING LEAD  
(SEE FIG 4, SHT 2)  
(N/A IN SINGLE ROW,  
1 & 2 POSITION)

POLARIZING OPTION  
INDICATE POS, SEE FIG 3, SHT 3

PLATING SPECIFICATION

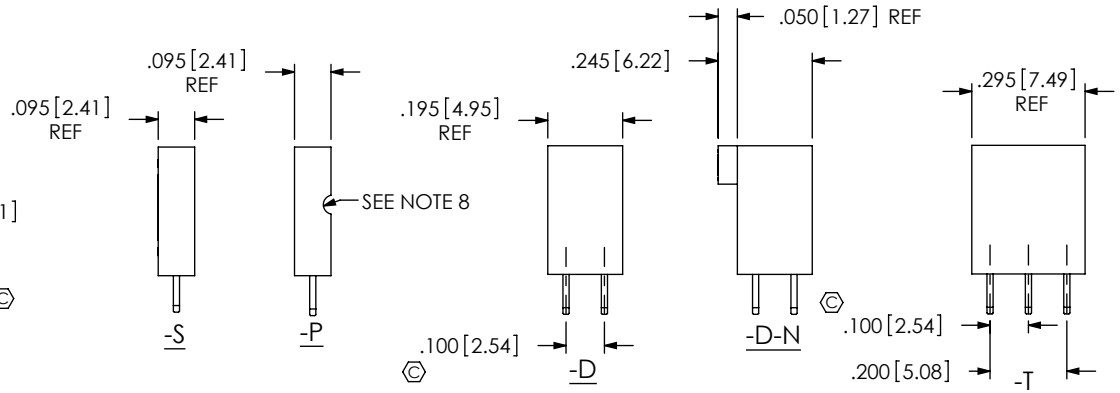
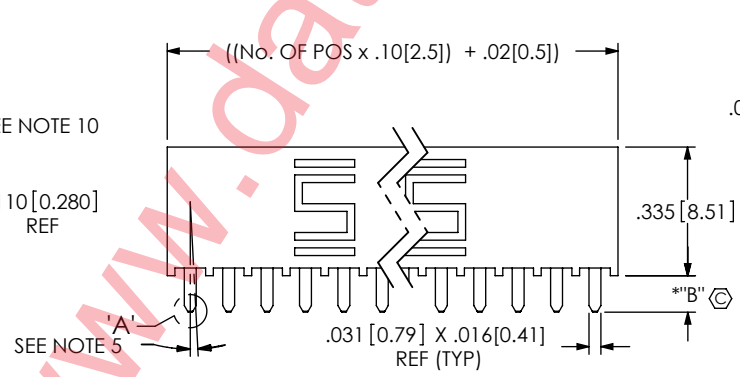
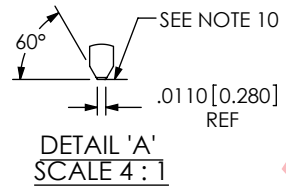
-G: 20µ" GOLD IN CONTACT AREA,  
3µ" GOLD ON TAIL  
-T: MATTE TIN CONTACT AND TAIL  
(CONTACT -21 THRU -24 N/A)  
-S: 30µ" SELECTIVE GOLD IN CONTACT AREA,  
MATTE TIN ON TAIL  
-H: 30µ" HEAVY GOLD IN CONTACT AREA,  
3µ" GOLD ON TAIL  
-E: 50µ" EXTRA HEAVY GOLD IN CONTACT AREA,  
3µ" GOLD ON TAIL  
(CONTACT -01 & -02 STRAIGHT ONLY)  
-F: 3µ" FLASH SELECTIVE GOLD IN CONTACT AREA,  
MATTE TIN ON TAIL  
-STL: 30µ" SELECTIVE GOLD IN CONTACT AREA,  
TIN/LEAD (90/10 ± 5%) TAIL  
-TL: TIN/LEAD (90/10 ± 5%) CONTACT AND TAIL  
(AVAILABLE ONLY ON LEAD STYLES -01)  
-TM: MATTE TIN CONTACT AND TAIL (CONTACT -21 THRU -24 N/A)  
-SM: 30µ" SELECTIVE GOLD IN CONTACT AREA,  
MATTE TIN ON TAIL  
-FM: 3µ" FLASH GOLD SELECTIVE IN CONTACT AREA,  
MATTE TIN ON TAIL  
-L: 10µ" LIGHT SELECTIVE GOLD IN CONTACT AREA,  
MATTE TIN ON TAIL

OPTION  
-RA: RIGHT ANGLE (SEE FIG 2, SHT 2)  
(STYLE -01 & -21 N/A)  
-N: NOTCH (SEE FIG 6, SHT 3)  
(ONLY AVAILABLE IN -D ROW)  
(ONLY AVAILABLE IN 5, 7, 8, 10, 12,  
13, 15, 17, 20, 25, 32, 36 POSITIONS)  
(USE NSW-XX-D-N-XX BODY,  
SEE TABLE 6)

ROW SPECIFICATION  
-S: SINGLE  
-D: DOUBLE  
-T: TRIPLE  
-P: SINGLE  
-Q: TRIPLE WITH ONLY OUTER 2 ROWS  
FILLED

**TABLE 2**

LEAD STYLE	"B"		"C" REF		
	-S(-RA), -D, -T	-S-RA	-D-RA	-T-RA	
-01, -21	.104 [2.64]	N/A	N/A	N/A	N/A
-02, -22	.194 [4.93]	.100 [2.54]	.100 [2.54]	.100 [2.54]	
-03, -23	.394 [10.01]	.300 [7.62]	.300 [7.62]	N/A	
-04, -24	.584 [14.83]	.490 [12.45]	N/A	N/A	
-06	.124 [3.15]	N/A	N/A	N/A	



NOTES:  
\*\*"B" <sup>+ .000</sup> <sub>-.005</sub> FOR MACHINE FILL ONLY

1. © REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM CUT FLASH: .015 [38] WITH NO FLASH BELOW STANDOFFS OR IN CONTACT HOLES.
3. MINIMUM CONTACT PUSHOUT FORCE: 1.5 LBS.
4. MAXIMUM ALLOWABLE BOW: .003 [08] INCH/INCH.
5. MAXIMUM ALLOWABLE SWAY: 2° (TYP) FOR HAND FILL & 1° (TYP) FOR MACHINE FILL.
6. MAXIMUM ALLOWABLE VARIATION BETWEEN ROWS: .010 [25].
7. "END WALLS" AFTER CUTTING SHOULD BE .020 ± .003 [51 ± 08].
8. NOTCH ON -P-RA & -D-RA-N OPTIONS TO BE ORIENTED AS SHOWN.
9. SHEAR LOCATION TO BE WITHIN .001 [03] OF THE BREAK OFF CENTER LOCATION.
10. SHEAR LOCATION TO BE WITHIN .001 [03] OF THE BREAK OFF CENTER LOCATION FOR MACHINE FILL.
11. LEAD STYLE X2 (SINGLE AND DOUBLE) -RA's TO BE LAYER PACKAGED. ALL OTHER -RA LEAD STYLES: UNDER 5 POSITION TO BE LAYER PACKAGED, 5 AND UP TO BE PACKAGED IN TUBES.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:  
DECIMALS ANGLES  
.XX: ±.01 [.3]  
.XXX: ±.005 [.13]  
2°

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1  
INSULATOR: -S, -D, -D-N: VECTRA E130I, COLOR: BLACK UL94 V0  
-P, -T: PCTI, COLOR: BLACK UL94 V0  
CONTACT: PHOSPHOR BRONZE, SPRING TEMPER ALLOY S11 OR S10  
(TENSILE STRENGTH 90-100 KSI)  
(YIELD STRENGTH @ 2% OFFSET 88-98 KSI)  
PER MIL-B-12901  
THICKNESS: .0160 ± .001 [0.635 ± 0.03]

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

DESCRIPTION:  
ASSEMBLY, SOCKET STRIP .016 X .031 TAIL

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

BY: PURVIS 06/12/1987 SHEET 1 OF 3

TABLE 3			
IN-PROCESS	"D"	"E"	"F"
SSW-1XX-X2-X-D-RA	.194 [4.93]	.394 [10.01]	-----
SSW-1XX-03-X-D-RA	.394 [10.01]	.594 [15.09]	-----
SSW-1XX-02-X-T-RA	.194 [4.93]	.394 [10.01]	.594 [15.09]

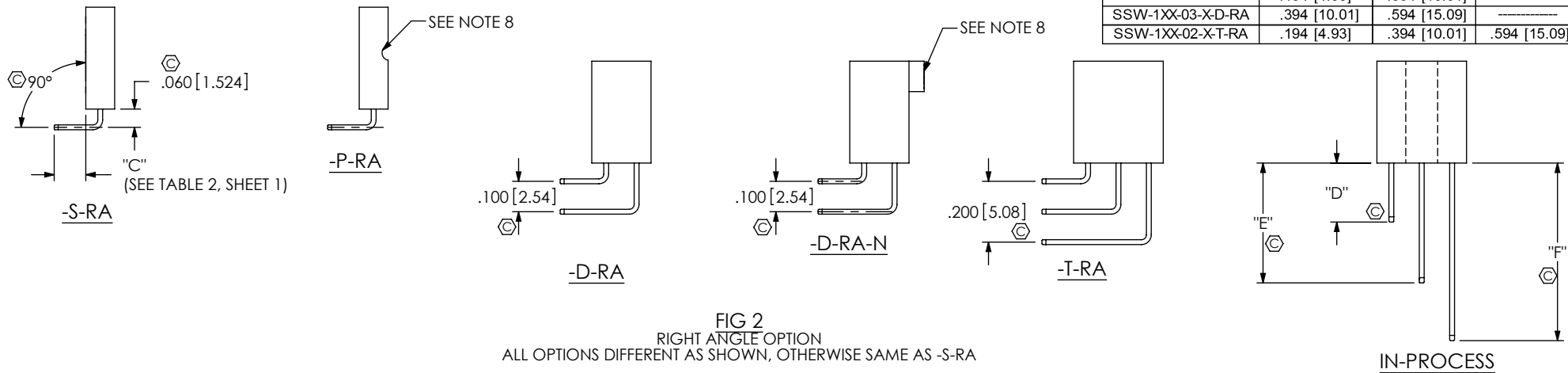


FIG 2  
RIGHT ANGLE OPTION  
ALL OPTIONS DIFFERENT AS SHOWN, OTHERWISE SAME AS -S-RA

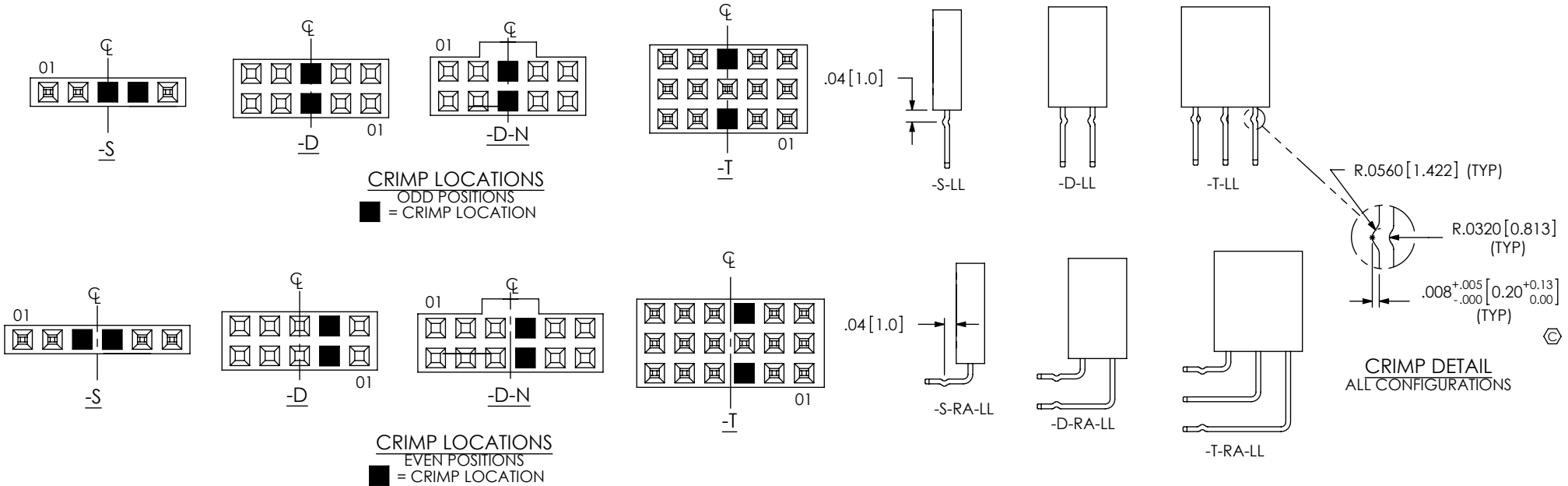
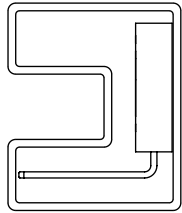
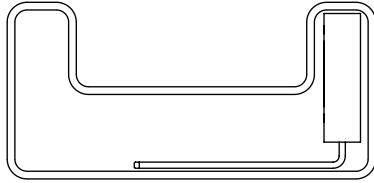


FIG 4  
LOCKING LEAD OPTION  
ALL OPTIONS SAME AS -S-XX-LL  
UNLESS OTHERWISE SHOWN

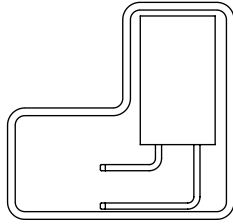
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	<p>520 PARK EAST BLVD. NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322</p>		
	<p>DESCRIPTION: ASSEMBLY, SOCKET STRIP .016 X .031 TAIL</p>		
	<p>DWG. NO. SSW-1XX-XX-XXX-X-XX-XXX-XX</p>		
	BY: PURVIS	06/12/1987	SHEET 2 OF 3



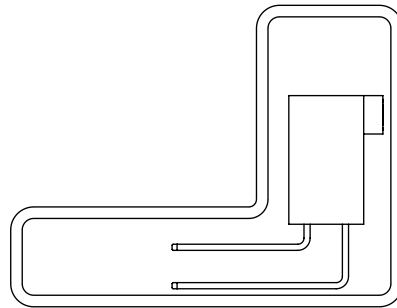
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SSW-1XX-23-XXX-S-RA



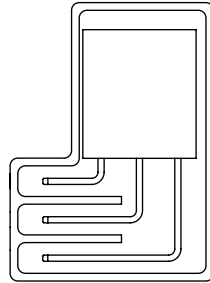
SSW-1XX-04-XXX-S-RA  
SSW-1XX-24-XXX-S-RA



SSW-1XX-03-XXX-D-RA  
SSW-1XX-23-XXX-D-RA



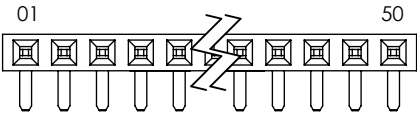
SSW-1XX-03-XXX-D-RA-N  
SSW-1XX-23-XXX-D-RA-N



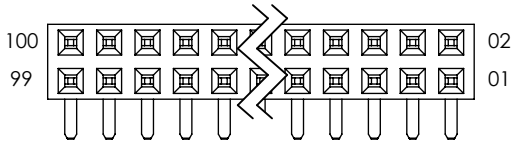
SSW-1XX-02-XXX-T-RA  
SSW-1XX-02-XXX-Q-RA

FIG 5  
PACKAGING VIEWS  
(SEE NOTE 11)

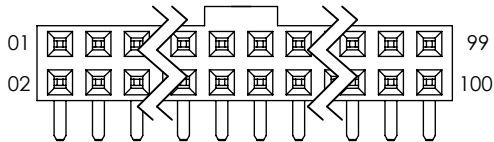
TABLE 5 TUBE SPECIFICATION		
PART NUMBER	TUBE	PLUG
SSW-1XX-03-XXX-S-RA SSW-1XX-23-XXX-S-RA	PT-3-24-01-01	TP-03
SSW-1XX-04-XXX-S-RA SSW-1XX-24-XXX-S-RA	PT-1-24-01-34	TP-03
SSW-1XX-03-XXX-D-RA SSW-1XX-23-XXX-D-RA	PT-1-24-06-40	TP-07
SSW-1XX-03-XXX-D-RA-N SSW-1XX-23-XXX-D-RA-N	ASP-90341-01-S	TP-07
SSW-1XX-02-XXX-T-RA SSW-1XX-02-XXX-Q-RA	PT-1-24-04-40	TP-07



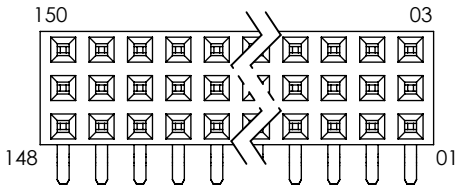
-S, -P, -S-RA & -P-RA



-D, -D-RA



-D-N, -D-RA-N



-T, -Q, -T-RA & -Q-RA

FIG 3

POLARIZATION LOCATION

(INSERT PK-06-N INTO SPECIFIED POSITION & BREAK OFF TAB)  
(-RA OPTION SHOWN FOR ORIENTATION PURPOSE ONLY)

TABLE 6	
POS PER ROW	NSW-XX-D-N-XX
5	NSW-47-D-N-05
7	NSW-47-D-N-07
8	NSW-44-D-N-08
10	NSW-43-D-N-10
12	NSW-38-D-N-12
13	NSW-41-D-N-13
15	NSW-47-D-N-15
17	NSW-35-D-N-17
20	NSW-20-D-N
25	NSW-25-D-N
32	NSW-32-D-N
36	NSW-36-D-N

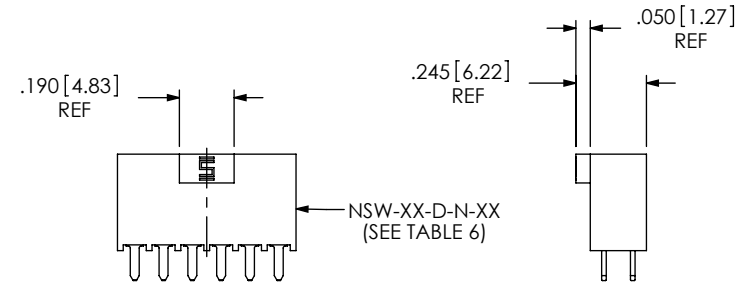


FIG 6  
NOTCH OPTION  
DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1

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