

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<br>C-08-3-XXX | C-08-2-XXX<br>C-08-3-XXX<br>C-08-5-XXX |
| -03 | C-08-3-XXX     | C-08-3-XXX   | C-08-3-XXX<br>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<br>C-17-3-XXX | C-17-2-XXX<br>C-17-3-XXX<br>C-17-5-XXX |
| -23 | C-17-3-XXX     | C-17-3-XXX   | C-17-3-XXX<br>C-17-5-XXX | N/A                                    |
| -24 | C-17-5-XXX     | C-17-5-XXX   | N/A                      | N/A                                    |

**TABLE 2**

| LEAD STYLE | "B"             | "G"                        | "C"         |            |            |
|------------|-----------------|----------------------------|-------------|------------|------------|
|            | -S(-RA), -D, -T | -D, -T                     | -S-RA       | -D-RA      | -T-RA      |
| -01, -21   | .104[2.64]      | .005 [.13]                 | N/A         | N/A        | N/A        |
| -02, -22   | .194[4.93]      | .005 [.13]                 | .100[2.54]  | .100[2.54] | .100[2.54] |
| -03, -23   | .394[10.01]     | +.010/-0.012 [+ .25/- .31] | .300[7.62]  | .300[7.62] | N/A        |
| -04, -24   | .584[14.83]     | +.010/-0.012 [+ .25/- .31] | .490[12.45] | N/A        | N/A        |
| -06        | .124[3.15]      | .005 [.13]                 | N/A         | 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)**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**-LL: LOCKING LEAD  
(SEE FIG 4, SHT 2)  
(N/A IN SINGLE ROW,  
1 & 2 POSITION)**POLARIZING OPTION**

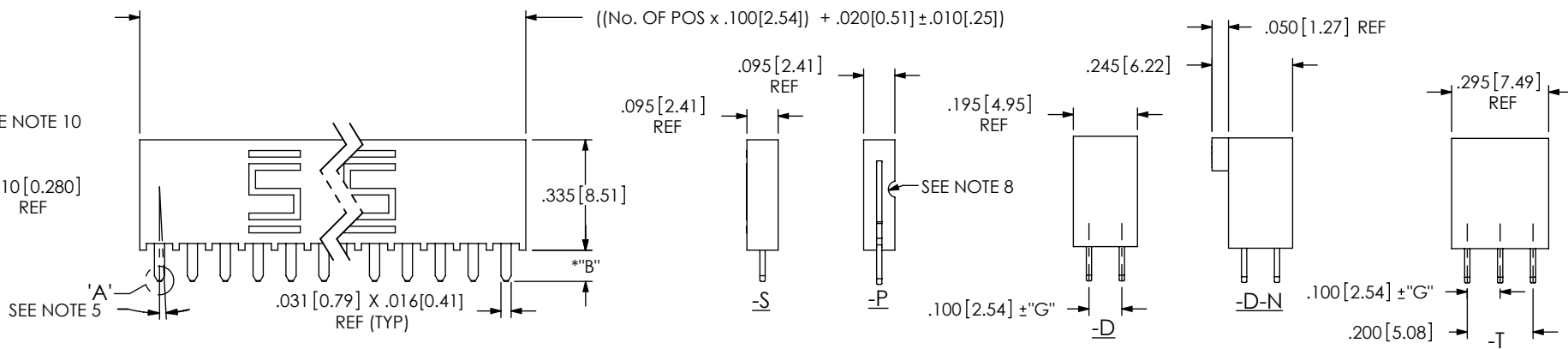
INDICATE POS, SEE FIG 3, SHT 3

**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

**FIG 1****NOTES:**

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.

\*\*B" <sup>+ .000</sup>  
- .005 FOR MACHINE FILL ONLYUNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.**TOLERANCES ARE:**

DECIMALS

.XX: ±.01 [.3]

.XXX: ±.005 [.13]

ANGLES

2°

**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:  
-S, -D, -D-N: VECTRA E130I, COLOR: BLACK UL94 V0  
-P, -T: PCTI, COLOR: BLACK UL94 V0  
CONTACT: PHOSPHOR BRONZE, SPRING TEMPER  
ALLOY 511 OR 510  
(TENSILE STRENGTH 90-100 KSI)  
(YIELD STRENGTH @ 2% OFFSET 88-98 KSI)  
PER MIL-B-13501  
THICKNESS: .0160±.001 [0.635±0.03]

SHEET SCALE: 2:1

**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

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

| 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] |



|                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                       |                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| <p><b>PROPRIETARY NOTE</b><br/>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.</p> <p>DO NOT SCALE DRAWING</p> <p>SHEET SCALE: 2:1</p> | <p><b>samtec</b></p> <p>520 PARK EAST BLVD, NEW ALBANY, IN 47150<br/>PHONE: 812-944-6733 FAX: 812-948-5047<br/>e-Mail: info@SAMTEC.com code 55322</p> |                                |
|                                                                                                                                                                                                                                                                                                                                                                                 | <p>DESCRIPTION:<br/>ASSEMBLY, SOCKET STRIP .016 X .031 TAIL</p>                                                                                       |                                |
|                                                                                                                                                                                                                                                                                                                                                                                 | <p>DWG. NO.<br/>SSW-1XX-XX-XXX-X-XX-XXX-XX</p>                                                                                                        |                                |
|                                                                                                                                                                                                                                                                                                                                                                                 | <p>BY: PURVIS</p>                                                                                                                                     | <p>06/12/1987 SHEET 2 OF 3</p> |



SSW-1XX-03-XXX-S-RA  
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



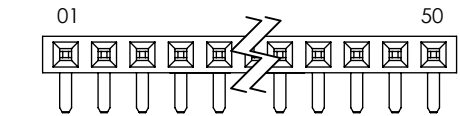
SSW-1XX-03-XXX-D-RA-N  
SSW-1XX-23-XXX-D-RA-N



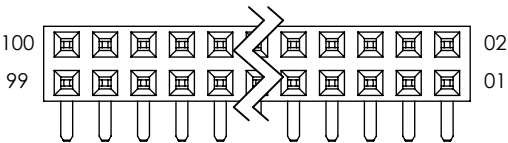
SSW-1XX-02-XXX-T-RA  
SSW-1XX-02-XXX-Q-RA

FIG 5  
PACKAGING VIEWS  
(SEE NOTE 11)

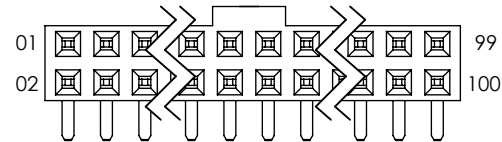
| TABLE 5<br>TUBE SPECIFICATION                  |                |       |
|------------------------------------------------|----------------|-------|
| PART NUMBER                                    | TUBE           | PLUG  |
| SSW-1XX-03-XXX-S-RA<br>SSW-1XX-23-XXX-S-RA     | PT-3-24-01-01  | TP-03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



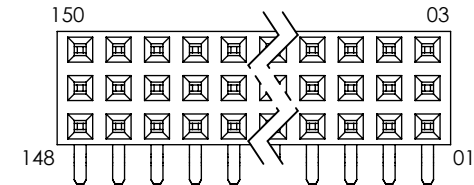
-S, -P, -S-RA & -P-RA



-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    |

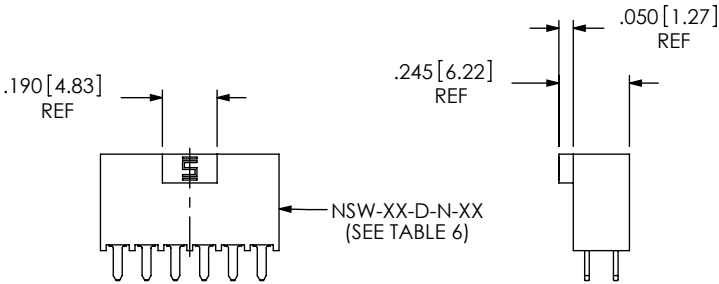


FIG 6  
NOTCH OPTION  
DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1

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



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 3 OF 3