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| TABLE 1<br>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)

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

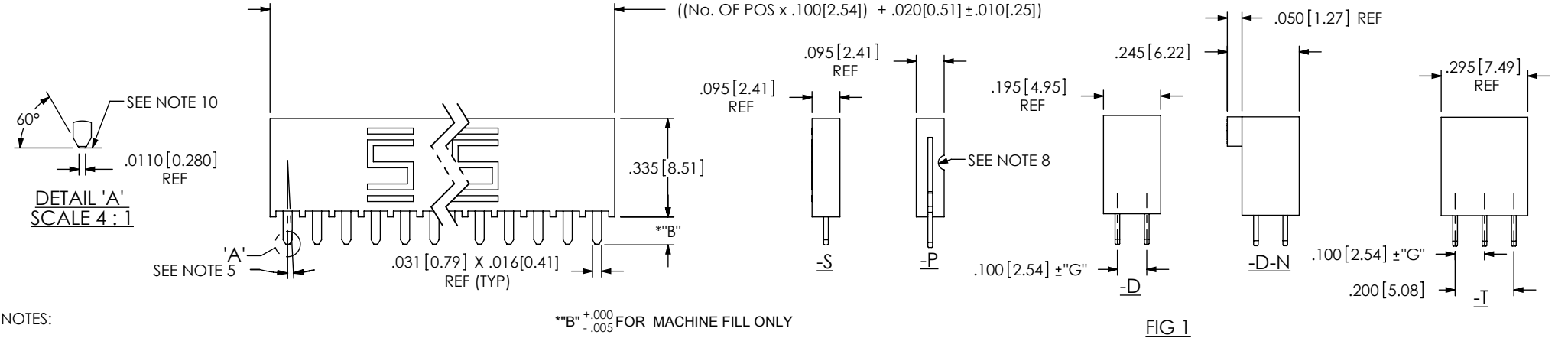
OPTION  
-RA: RIGHT ANGLE (SEE FIG 2, SHT 2)  
(STYLE -01 & -21 N/A)  
-N: NOTCH (SEE FIG 6, SHT 3)  
(ONLY AVAILABLE IN -D ROW)  
(ONLY AVAILABLE IN 5, 7, 8, 10, 12,  
13, 15, 17, 20, 25, 32, 36 POSITIONS)  
(USE NSW-XX-D-N-XX BODY,  
SEE TABLE 6)

ROW SPECIFICATION

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

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



- 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.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES

.XX: ±.01 [.3]

.XXX: ±.005 [.13]

2°

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MATERIAL:

INSULATOR:

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-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 & 13501

THICKNESS: .0160±.001 [0.635±0.03]

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] |



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

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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 2 OF 3



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

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