

REVISION CC

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)

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

TABLE 2

LEAD STYLE	"B"	"G"	"C" REF		
	-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/- .012 [+ .25/- .31]	.300 [7.62]	.300 [7.62]	N/A
-04, -24	.584 [14.83]	+.010/- .012 [+ .25/- .31]	.490 [12.45]	N/A	N/A
-06	.124 [3.15]	.005 [.13]	N/A	N/A	N/A

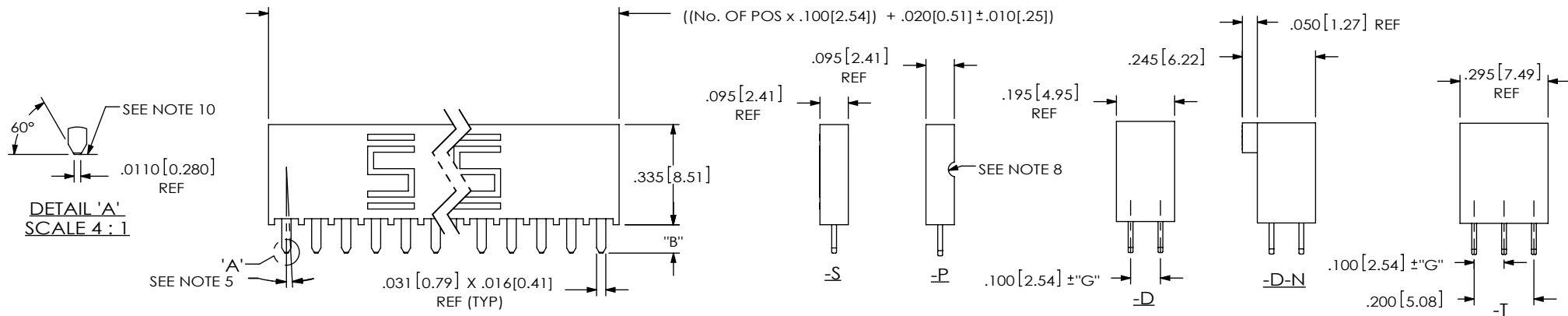


FIG 1

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.

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS

.XX: ± .01 [.3]
.XXX: ± .005 [.13]

ANGLES

2°

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS CONFIDENTIAL AND
PROPRIETARY INFORMATION AND ALL DESIGN,
MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS
AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC,
INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE
OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR
REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY
OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS
WRITTEN CONSENT OF SAMTEC, INC.

MATERIAL:

INSULATOR:
-S, -D, -D-N: VECTRA E1301, 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]

DO NOT SCALE DRAWING

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

samtec

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

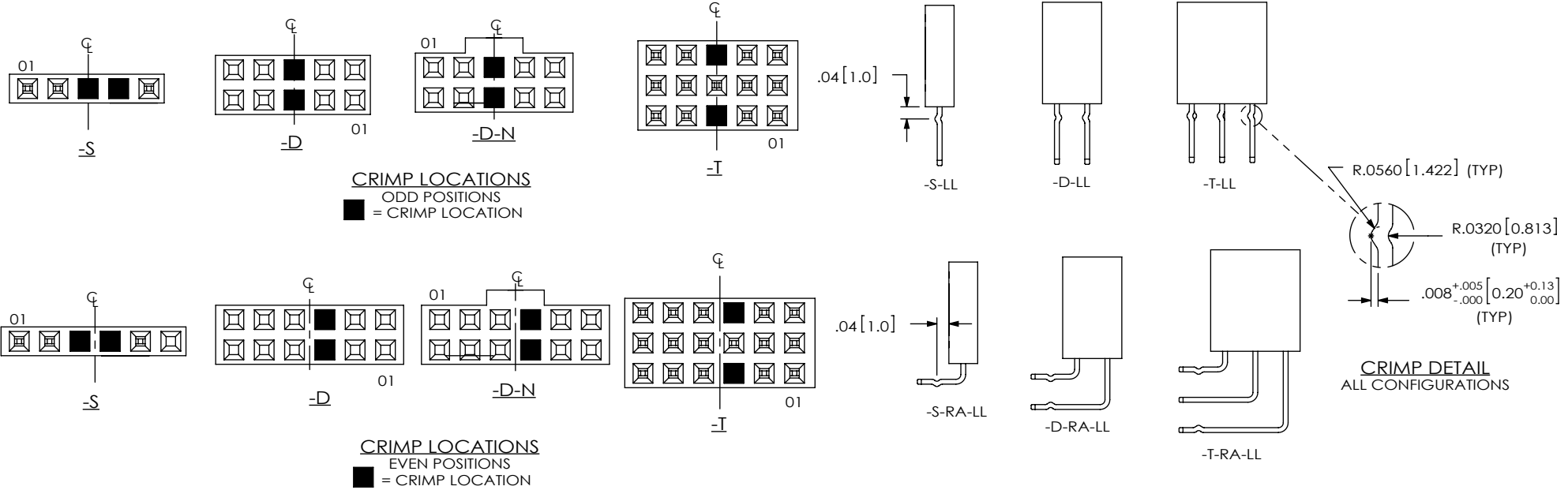
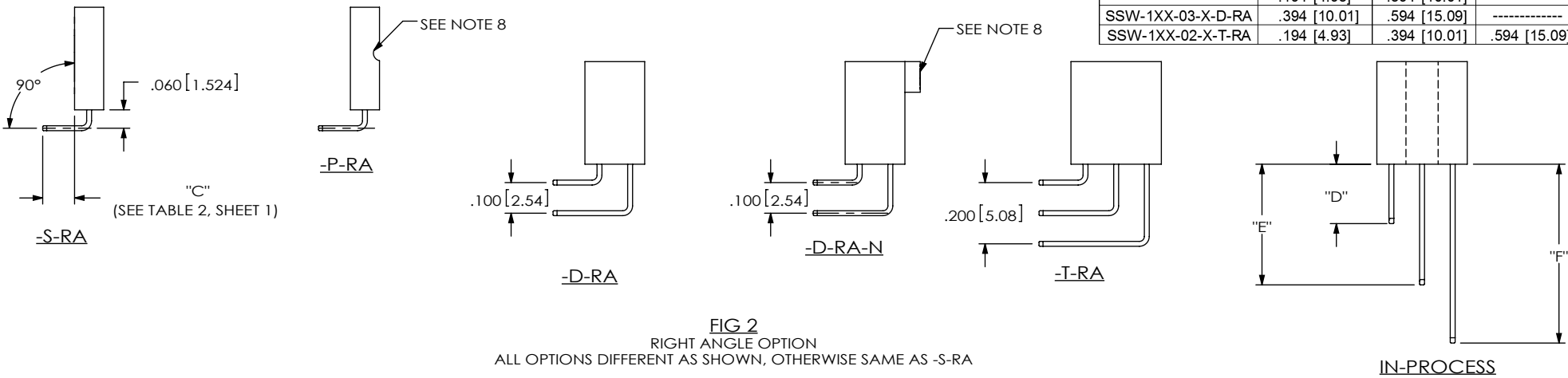


FIG 4
LOCKING LEAD OPTION
ALL OPTIONS SAME AS -S-XX-LL
UNLESS OTHERWISE SHOWN

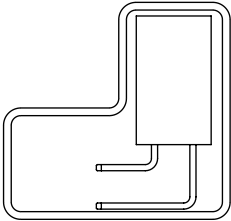
* PROPRIETARY NOTE * THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS 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 2 OF 3



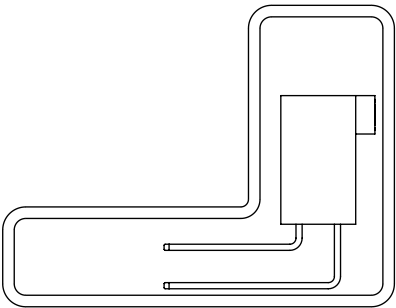
SSW-1XX-03-XXX-S-RA
SSW-1XX-23-XXX-S-RA



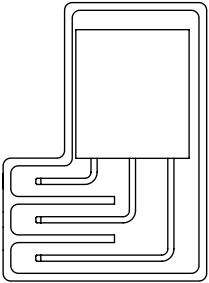
SSW-1XX-04-XXX-S-RA
SSW-1XX-24-XXX-S-RA



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

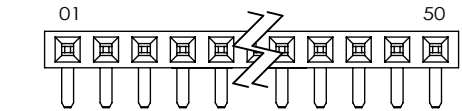


SSW-1XX-03-XXX-D-RA-N
SSW-1XX-23-XXX-D-RA-N

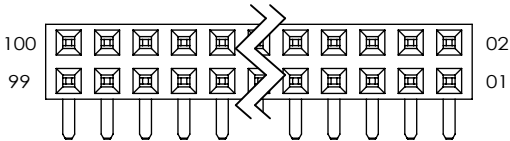


SSW-1XX-02-XXX-T-RA
SSW-1XX-02-XXX-Q-RA

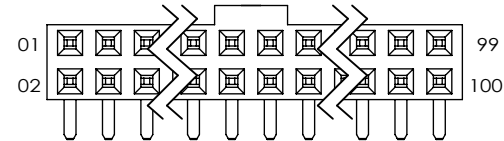
FIG 5
PACKAGING VIEWS
(SEE NOTE 11)



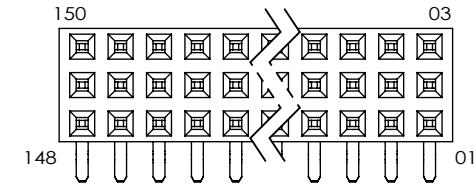
-S, -P, -S-RA & -P-RA



-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 5
TUBE SPECIFICATION

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

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

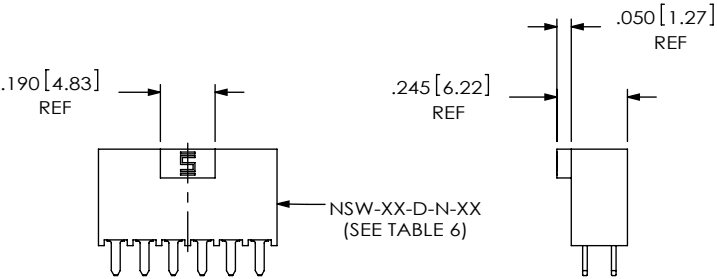


FIG 6
NOTCH OPTION
DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1

PROPRIETARY NOTE
THIS DOCUMENT CONTAINS CONFIDENTIAL AND
PROPRIETARY INFORMATION AND ALL DESIGN,
MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS
AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC,
INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE
OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR
REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY
OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS
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