

TABLE 1

CONTACT SPECIFICATION				
-XX	-S, -D, -T	-S-RA	-D-RA	-T-RA
-01	C-15-1-X	N/A	N/A	N/A
-02	C-15-2-X	C-15-2-X	C-15-2-X	C-15-2-X
			C-15-3-X	C-15-3-X
-03	C-15-3-X	C-15-3-X	C-15-3-X	N/A
			C-15-4-X	N/A
-04	C-15-4-X	C-15-4-X	N/A	N/A
-21	C-60-1-X	N/A	N/A	N/A
-22	C-60-2-X	C-60-2-X	C-60-2-X	C-60-2-X
			C-60-3-X	C-60-3-X
-23	C-60-3-X	C-60-3-X	C-60-3-X	N/A
			C-60-4-X	N/A
-24	C-60-4-X	C-60-4-X	N/A	N/A

DO NOT
SCALE FROM
THIS PRINT

SSQ-1XX-XX-XXX-X-XX-XXX-XX-XX

No OF POSITIONS
-01 THRU -50
(PER ROW)

LEAD STYLE

(SEE TABLE 1)

-01 THRU -04: STANDARD INSERTION FORCE
-21 THRU -24: LOW INSERTION FORCE

PLATING SPECIFICATION

-G: 20µ" GOLD IN CONTACT AREA,
3µ" SELECTIVE GOLD ON TAIL

-T: MATTE TIN ON ENTIRE PIN

(NOT AVAILABLE FOR -21 THROUGH -24 LEAD STYLES)

-S: 30µ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL-H: 30µ" GOLD IN CONTACT AREA,
3µ" SELECTIVE GOLD ON TAIL-F: 3µ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL-TL: TIN/LEAD (90/10±5%) ON ENTIRE PIN
(AVAILABLE ONLY ON LEAD STYLE -01)

-TM: MATTE TIN ON ENTIRE PIN

(NOT AVAILABLE FOR -21 THROUGH -24 LEAD STYLES)

-SM: 30µ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL-FM: 3µ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL-L: 10µ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL-STL: 30µ" SELECTIVE GOLD IN CONTACT AREA,
TIN/LEAD (90/10±5%) ON TAIL
(AVAILABLE ONLY ON LEAD STYLE -01)

OPTION

**-MW: METAL WASHER (SEE FIG 7, SHT 3)
(N/A WITH -LL OR -RA)
(N/A WITH -T)
(AVAILABLE ON -01, -02, -21, & -22 STYLES ONLY)
(AVAILABLE ON POS -02 THRU -30 ONLY)

OPTION

-LL: LOCKING LEAD (SEE FIG 6, SHT 2)
(N/A WITH SINGLE ROW, 1 OR 2 POS)

POLARIZATION OPTION

INDICATE POS (SEE FIG 8, SHT 3)

OPTION

-RA: RIGHT ANGLE (SEE FIG 2, SHT 2)
(N/A ON LEAD STYLE -01)

ROW SPECIFICATION

-S: SINGLE, USE SSW-XX-S

-D: DOUBLE, USE SSW-XX-D

-T: TRIPLE, USE SSW-XX-T

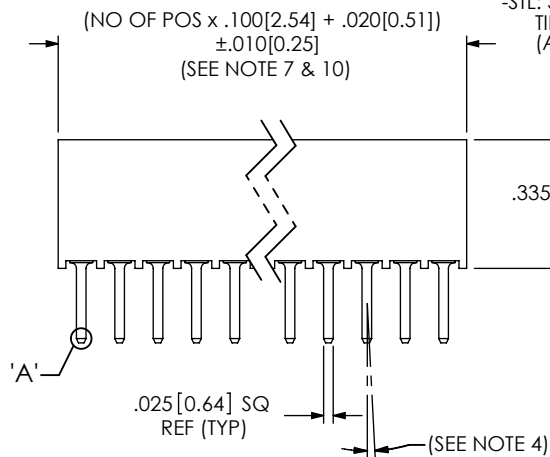
-Q: TRIPLE (SEE FIG 4, SHT 2) USE SSW-XX-T
(-T WITH ONLY 2 OUTER ROWS FILLED)-P: POLARIZED,
USE SSW-XX-P (SEE FIG 5, SHT 2)**- MW OPTION, DO NOT DESIGN IN.
SAMTEC WILL ONLY SUPPORT EXISTING
BUSINESS AS OF 02/12/2002

FIG 1

SSQ-1XX-XX-X SHOWN

-S

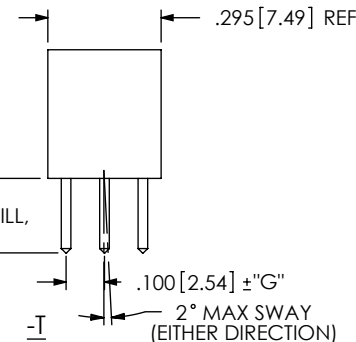
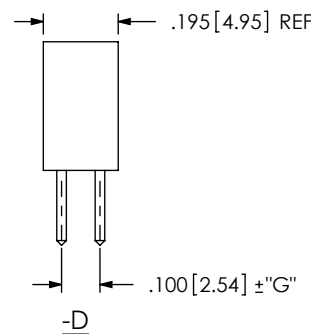
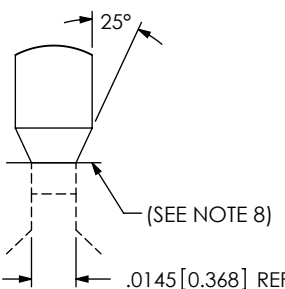
.095[2.41]
REF(FOR MACHINE FILL,
SEE NOTE 11).100[2.54] ±"G"
2° MAX SWAY
(EITHER DIRECTION)

TABLE 2					
CONTACT	"B"	"G"	"C" REF		
	-S(-RA), -D, -T	-D, -T	-S-RA	-D-RA	-T-RA
-01, -21	0.104 [2.64]	.005 [13]	N/A	N/A	N/A
-02, -22	0.194 [4.93]	.005 [13]	0.100 [2.54]	0.100 [2.54]	0.100 [2.54]
-03, -23	0.394 [10.01]	+0.010/-0.012 [+25/-31]	0.300 [7.62]	0.300 [7.62]	N/A
-04, -24	0.584 [14.83]	+0.010/-0.012 [+25/-31]	0.490 [12.45]	N/A	N/A

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: 1.5 LB.
3. MAXIMUM ALLOWABLE BOW: .003[.08] INCH/INCH.
4. MAXIMUM ALLOWABLE SWAY: HAND FILL 4° (TYP).
MACHINE FILL 1° (TYP).
5. MAXIMUM VARIATION BETWEEN PIN ROWS: .010[0.25].
6. END WALLS AFTER CUTTING SHOULD BE .020±.003 [0.51±.08]
7. MAXIMUM CUT FLASH: .010[0.25].
8. SHEAR LOCATION TO BE WITHIN .001[0.03] OF THE
BREAK OFF CENTER LOCATION FOR MACHINE FILL.
9. NOTCH ON -P-RA OPTION TO BE ORIENTED AS SHOWN.
10. NO FLASH IS ALLOWED BELOW LEADS OR IN HOLES OF BODY.
11. +.000[0.00]/-.005[0.13] FOR MACHINE FILL ONLY, SSQ-1XX-XX-X-S,
SSQ-1XX-XX-X-D, SSQ-1XX-XX-X-T (IN-PROCESS), SSQ-1XX-XX-X-S-RA.

DETAIL 'A'
SCALE 16:1

F:\DWG\MISC\MKTG\SSQ-1XX-XX-XXX-X-XX-XXX-XX-X-MKT.SLDDRW

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES
.XX: ±.01 [.3]
.XXX: ±.005 [.13]
.XXXX: ±.0020 [.051]

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INSULATOR: LCP, UL 94 VO, COLOR: BLACK
CONTACT: PHOS BRONZE

SHEET SCALE: 2:1

DESCRIPTION:
ASSEMBLY, SOCKET STRIP .025[0.64] SQ TAIL

DWG. NO.

SSQ-1XX-XX-XXX-X-XX-XXX-XX-X

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

samtec520 PARK EAST BLVD, NEW ALBANY, IN 47150
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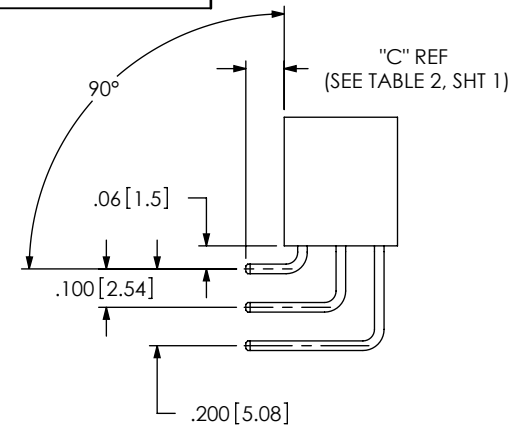


FIG 2
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)
SSQ-1XX-X-S-RA
SSQ-1XX-X-D-RA
SSQ-1XX-X-T-RA
SSQ-1XX-X-P-RA

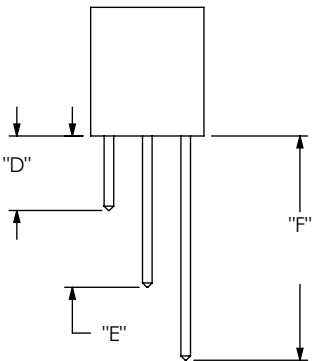


FIG 3
IN PROCESS RIGHT ANGLE

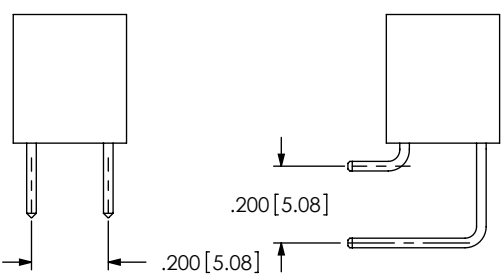


FIG 4
SSQ-1XX-XXX-X-Q-RA SHOWN
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1, FIG 2)

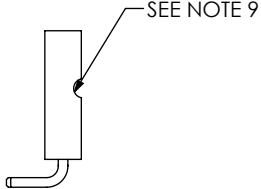
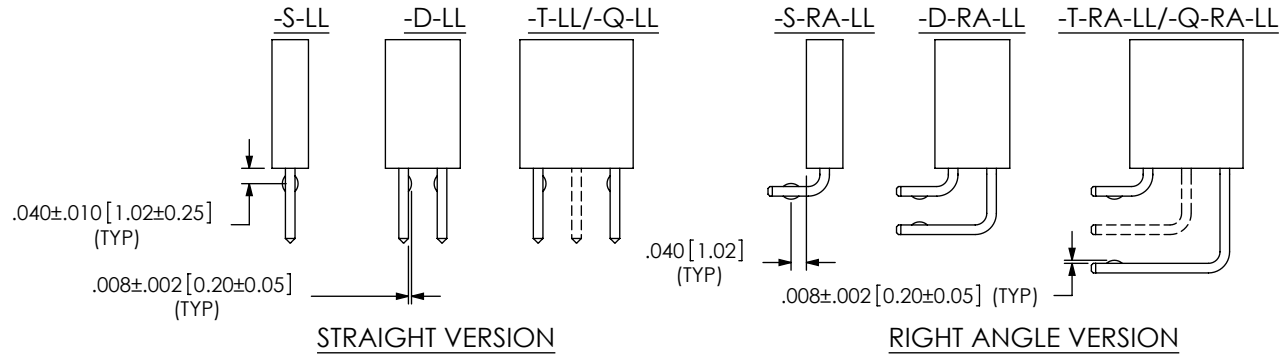


FIG 5
SSQ-1XX-XXX-X-RA-P SHOWN
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 2)



STRAIGHT VERSION

RIGHT ANGLE VERSION

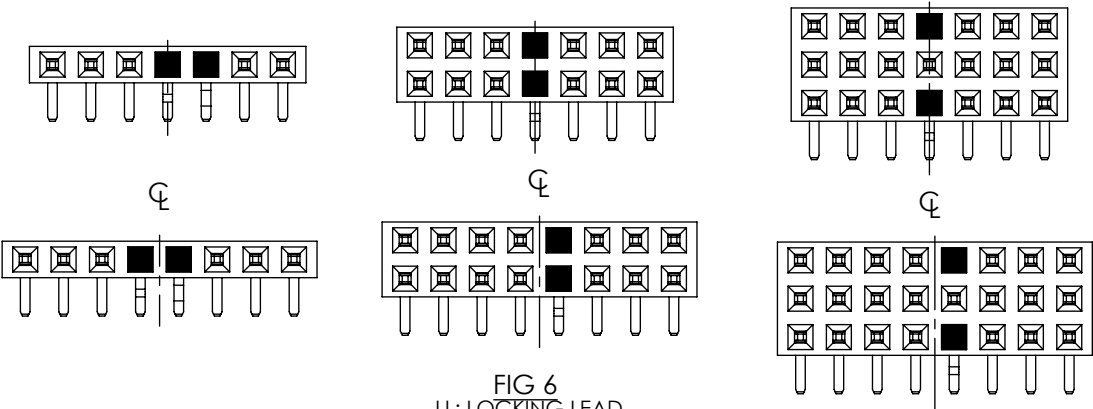


FIG 6
-LL: LOCKING LEAD
■ CRIMP LOCATION
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)

TABLE 3			
IN PROCESS	"D"	"E"	"F"
SSQ-1XX-02-X-D-RA	0.194 [4.93]	0.394 [10.01]	N/A
SSQ-1XX-03-X-D-RA	0.394 [10.01]	0.594 [15.09]	N/A
SSQ-1XX-02-X-T-RA	0.194 [4.93]	0.394 [10.01]	0.594 [15.09]

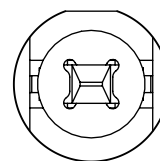
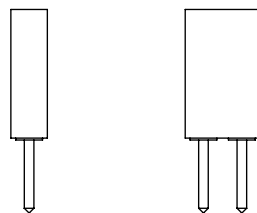
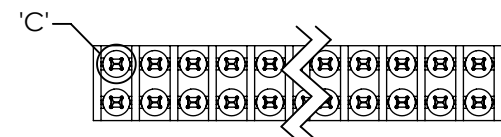
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SHEET SCALE: 2:1

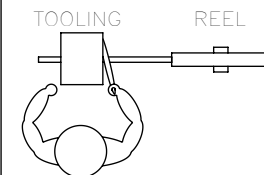


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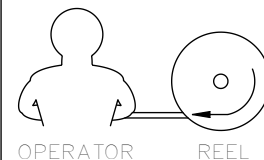
DESCRIPTION:
ASSEMBLY, SOCKET STRIP .025[0.64] SQ TAIL
DWG. NO.
SSQ-1XX-XX-XXX-X-XX-XXX-XX-X
BY: PURVIS 06/12/1987 SHEET 2 OF 3



DETAIL 'C'
SCALE 8 : 1

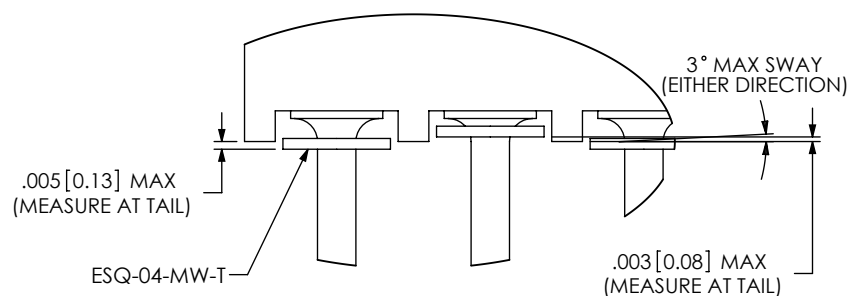


OPERATOR
TOP VIEW



OPERATOR REEL
FRONT VIEW

WASHER REEL ASSEMBLY
ORIENTAION VIEW



DETAIL 'B'
SCALE 8 : 1

FIG 7

SSQ-1XX-XXX-X-MW SHOWN

(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)

** - MW: METAL WASHER (ONE PER POSITION)

(N/A ON -LL OR -RA OPTION OR TRIPLE ROW)
(STYLE -01, -02, -21 AND -22 ONLY)

(AVAILABLE ON POS -02 THRU -30 ONLY)

*(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
** - MW OPTION, DO NOT DESIGN IN. SAMTEC WILL
ONLY SUPPORT EXISTING BUSINESS AS OF 02/12/2002

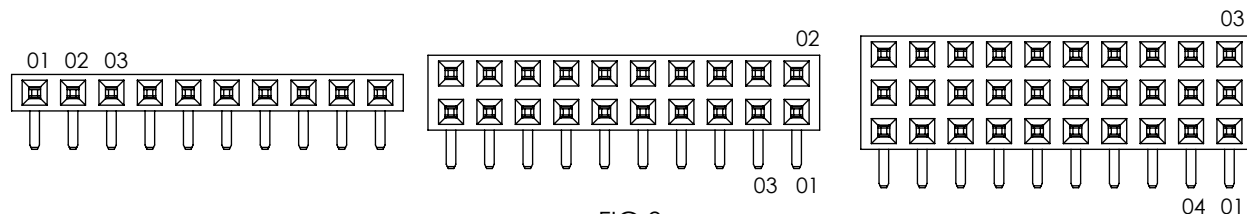


FIG 8
POLARIZATION LOCATION
INSERT PK-06-N INTO SPECIFIED POS
AND BREAK OFF TAB

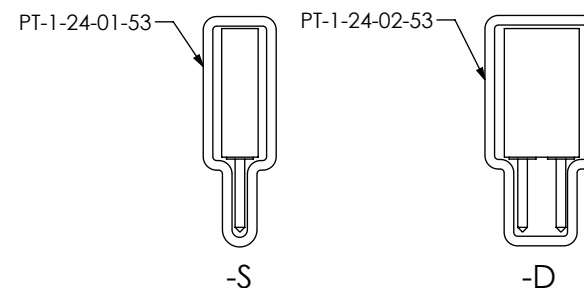


FIG 9
FOR METAL WASHERS ONLY
(ALL OTHER OPTIONS BULK PACKAGED)

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

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