

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)

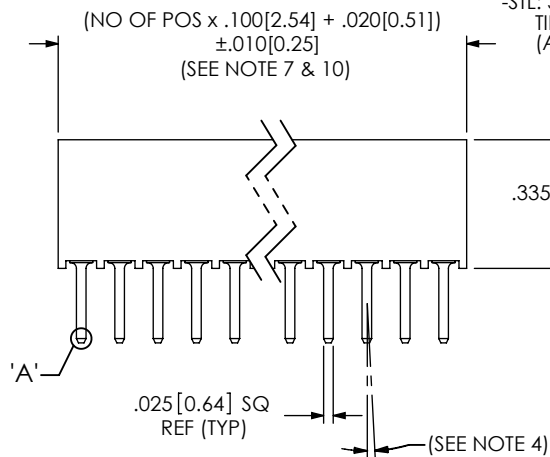
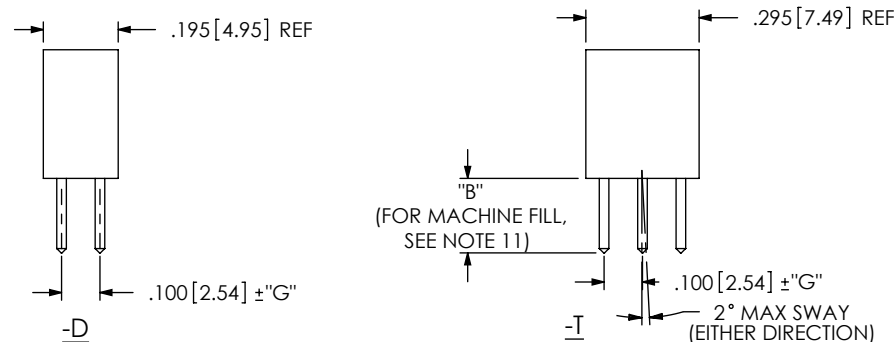
## OPTION

-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)

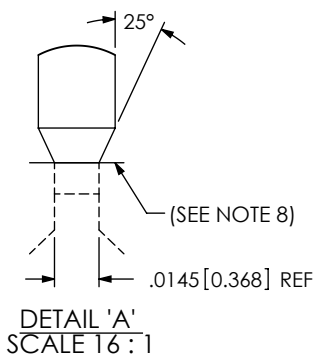
\*\* - MW OPTION, DO NOT DESIGN IN.  
SAMTEC WILL ONLY SUPPORT EXISTING  
BUSINESS AS OF 02/12/2002

FIG 1  
SSQ-1XX-XX-X SHOWN

| 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.

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

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

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MATERIAL: DO NOT SCALE DRAWING  
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

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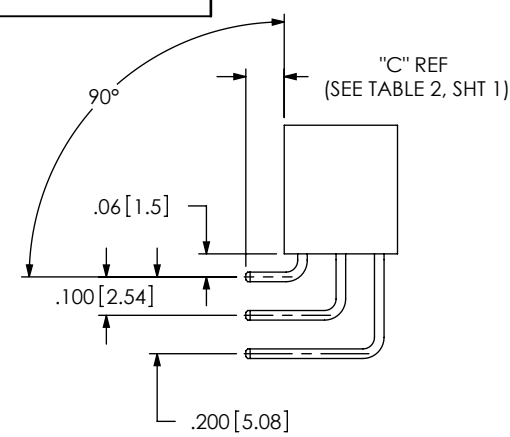


FIG 2  
(DIFFERENT AS SHOWN,  
OTHERWISE SAME AS FIG 1)  
SSQ-1XX-X-S-RA  
SSQ-1XX-X-D-RA  
SSQ-1XX-X-T-RA  
SSQ-1XX-X-P-RA

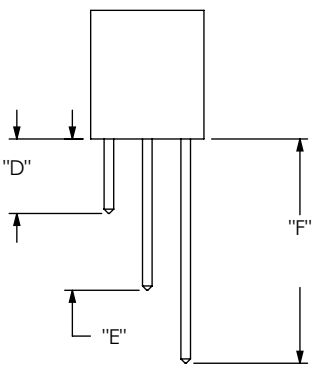


FIG 3  
IN PROCESS RIGHT ANGLE

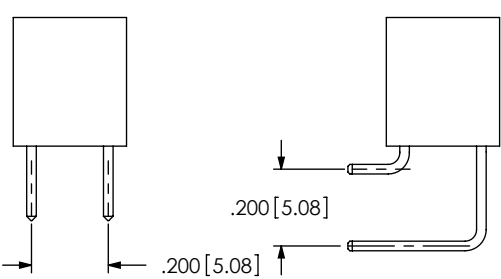


FIG 4  
SSQ-1XX-XXX-X-Q-RA SHOWN  
(DIFFERENT AS SHOWN,  
OTHERWISE SAME AS FIG 1, FIG 2)

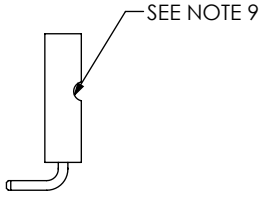
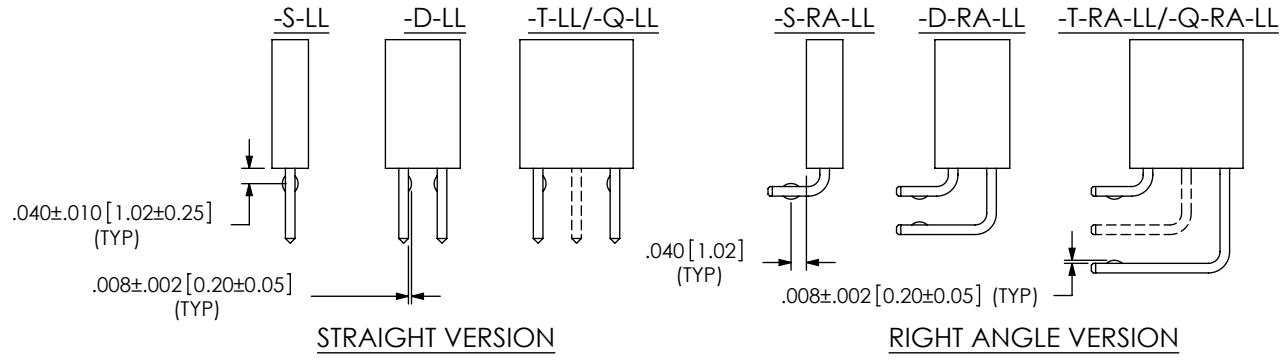


FIG 5  
SSQ-1XX-XXX-X-RA-P SHOWN  
(DIFFERENT AS SHOWN,  
OTHERWISE SAME AS FIG 2)



STRAIGHT VERSION

RIGHT ANGLE VERSION

| 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] |

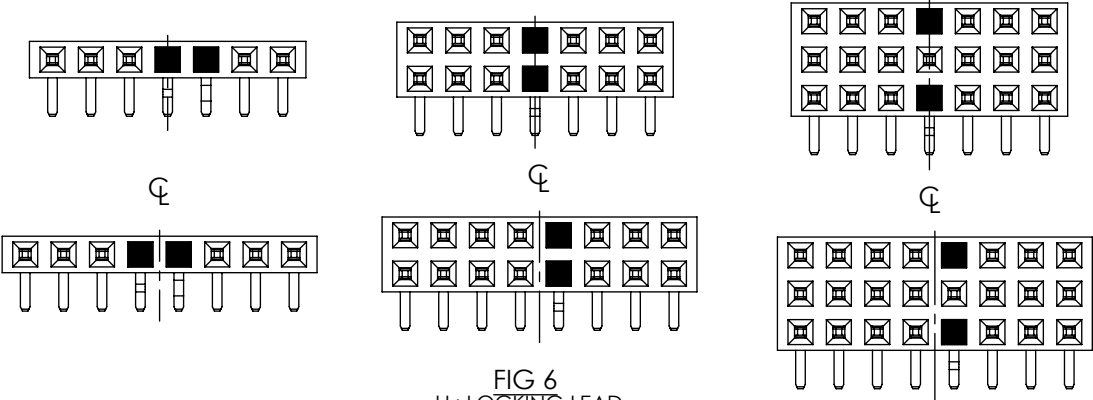


FIG 6  
-LL: LOCKING LEAD  
■ CRIMP LOCATION  
(DIFFERENT AS SHOWN,  
OTHERWISE SAME AS FIG 1)

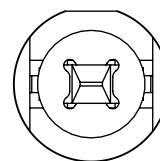
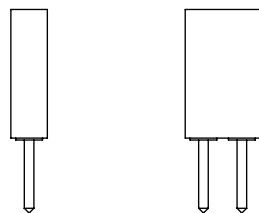
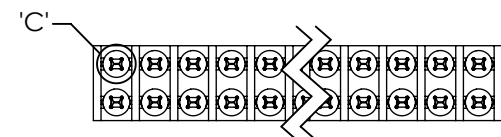
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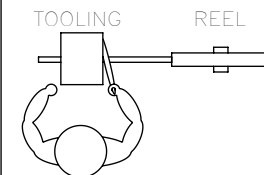


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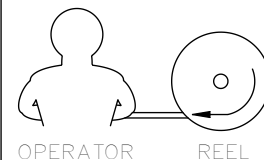
DESCRIPTION:  
ASSEMBLY, SOCKET STRIP .025[0.64] SQ TAIL  
DWG. NO.  
SSQ-1XX-XX-XXX-X-XX-XXX-XX-X  
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DETAIL 'C'  
SCALE 8 : 1

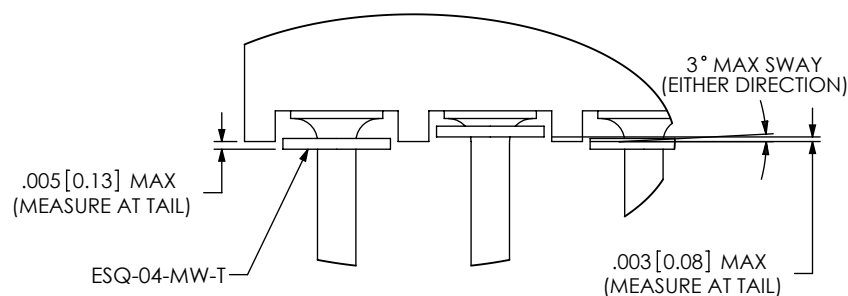


OPERATOR  
TOP VIEW



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

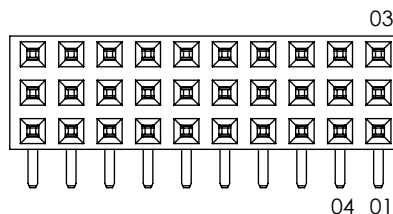
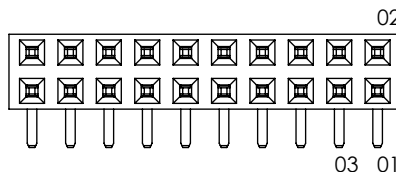
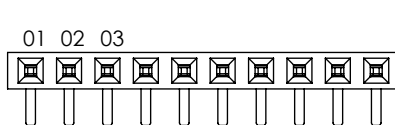
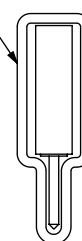
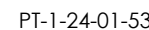
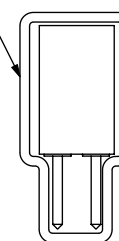
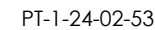


FIG 8  
POLARIZATION LOCATION  
INSERT PK-06-N INTO SPECIFIED POS  
AND BREAK OFF TAB



-S



-D

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

|            |            |              |
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