



**Distributor of Samtec, Inc.: Excellent Integrated System Limited**

Datasheet of SSQ-150-01-G-D - Connector Receptacle 100 Position 0.100" (2.54mm) Gold Through Hole

Contact us: [sales@integrated-circuit.com](mailto:sales@integrated-circuit.com) Website: [www.integrated-circuit.com](http://www.integrated-circuit.com)

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## **Excellent Integrated System Limited**

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

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

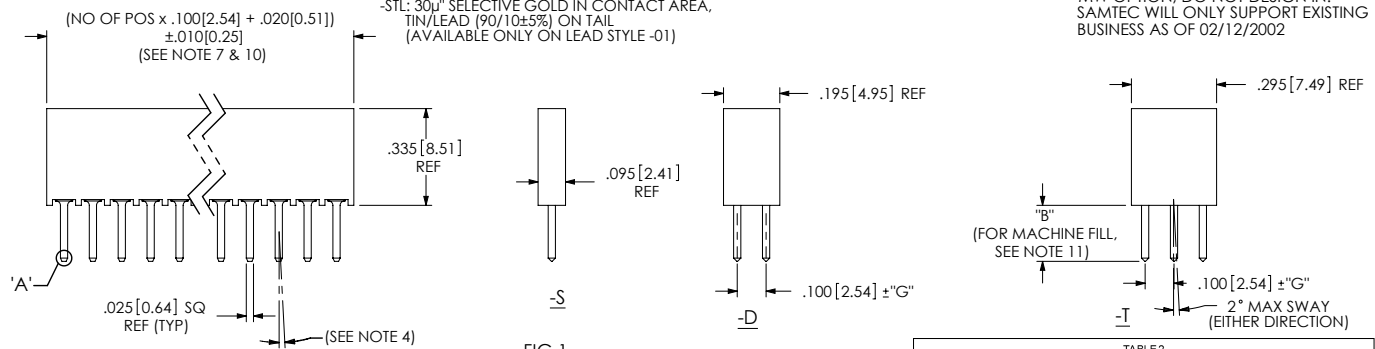
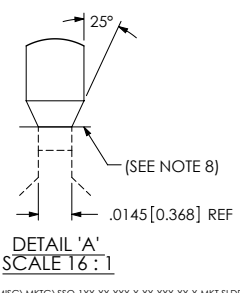


FIG 1  
SSQ-1XX-XX-X SHOWN

CONTACT	"B"		"G"		"C" REF		
	-S(-RA), -D, -T	-D, -T	-D, -T	-S-RA	-D-RA	-T-RA	
-01, -21	0.104 [2.64]		.005 [ .13]	NA	NA	NA	
-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]		+010/-012 [+25/-31]	0.300 [7.62]	0.300 [7.62]	NA	
-04, -24	0.584 [14.83]		+010/-012 [+25/-31]	0.490 [12.45]	NA	NA	

- NOTES:
- ① REPRESENTS A CRITICAL DIMENSION.
  - MINIMUM PUSHOUT FORCE: 1.5 LB.
  - MAXIMUM ALLOWABLE BOW: .003[.08] INCH/INCH.
  - MAXIMUM ALLOWABLE SWAY: HAND FILL 4° (TYP), MACHINE FILL 1° (TYP).
  - MAXIMUM VARIATION BETWEEN PIN ROWS: .010[0.25].
  - END WALLS AFTER CUTTING SHOULD BE .020±.003 [0.51 ±.08]
  - MAXIMUM CUT FLASH: .010[0.25].
  - SHEAR LOCATION TO BE WITHIN .001 [0.03] OF THE BREAK OFF CENTER LOCATION FOR MACHINE FILL.
  - NOTCH ON -P-RA OPTION TO BE ORIENTED AS SHOWN.
  - NO FLASH IS ALLOWED BELOW LEADS OR IN HOLES OF BODY.
  - + .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] 2°  
 .XXX: ±.005 [ .13]  
 .XXXX: ±.0020 [ .051]

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 CONTACT: PHOS BRONZE

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 e-Mail info@SAMTEC.com code 55322

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

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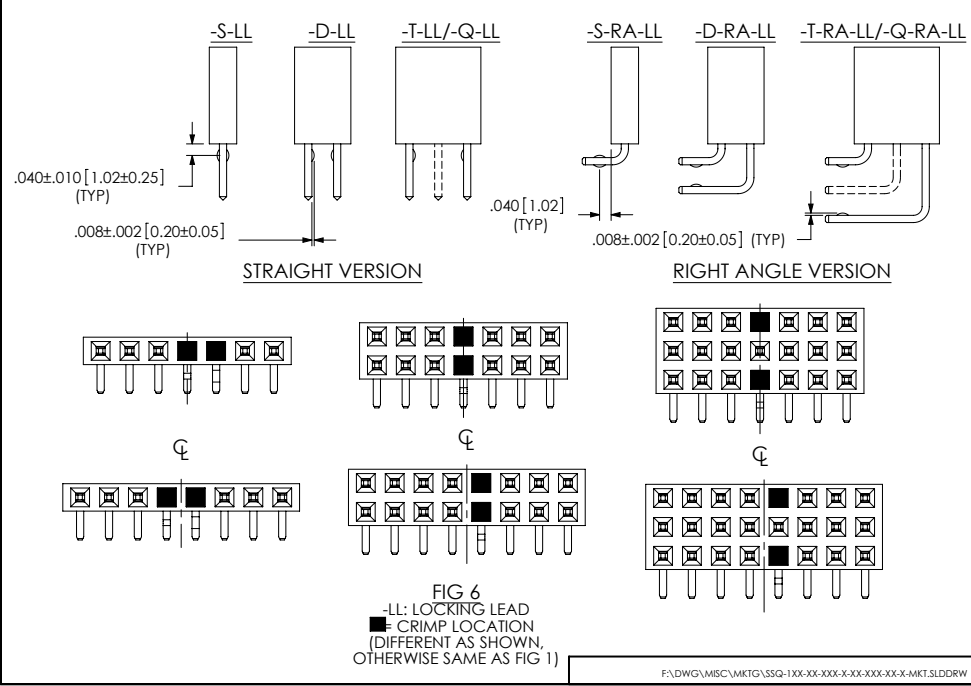
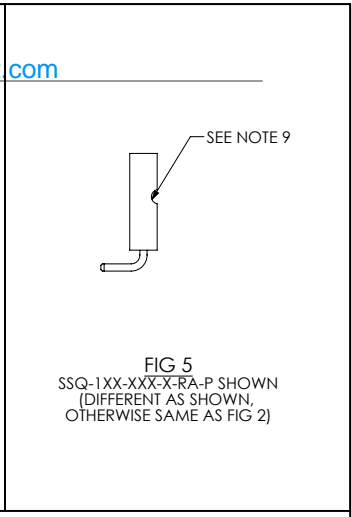
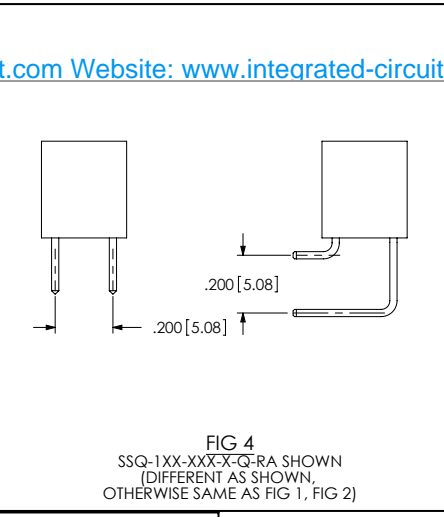
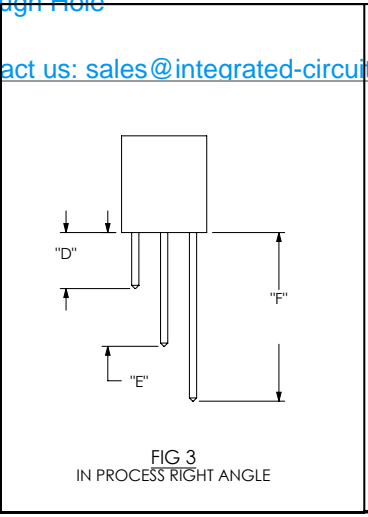
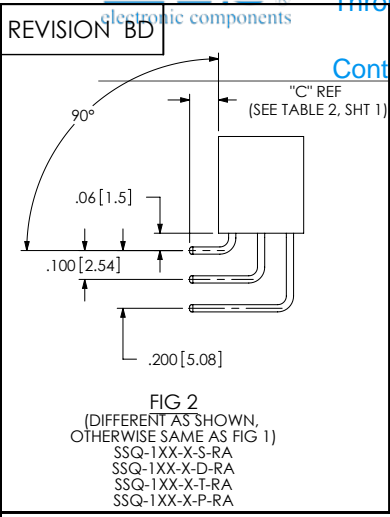


TABLE 3

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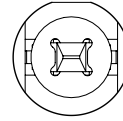
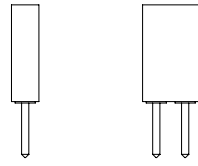
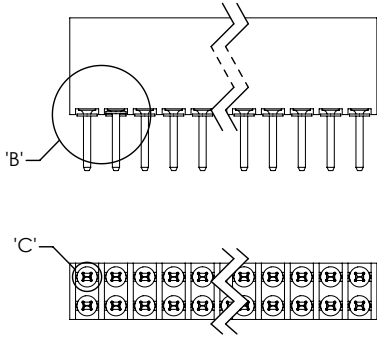
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SSQ-1XX-XX-XXX-X-XX-XXX-XX-X

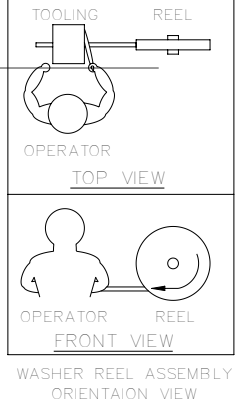
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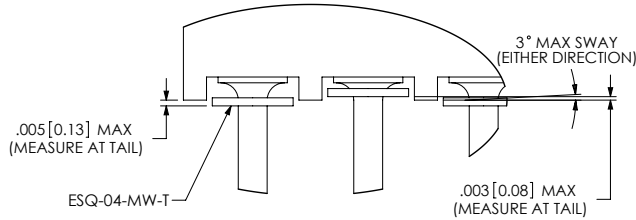
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DETAIL 'C'  
SCALE 8:1

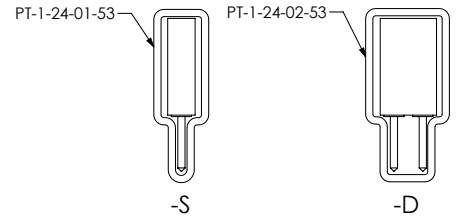


WASHER REEL ASSEMBLY ORIENTATION VIEW

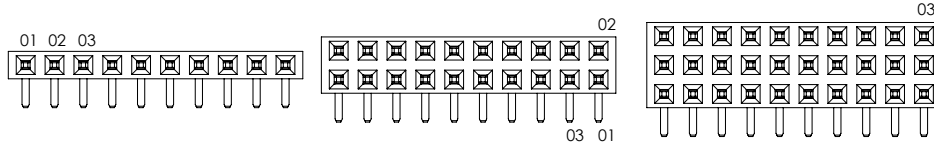


DETAIL 'B'  
SCALE 8:1

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



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

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