

SSQ-115-04-L-T

(2,54 mm) .100"

SSW, SSQ SERIES

# THROUGH-HOLE .025" SQ POST SOCKET

## SPECIFICATIONS

For complete specifications see [www.samtec.com?SSW](http://www.samtec.com?SSW) or [www.samtec.com?SSQ](http://www.samtec.com?SSQ)

**Insulator Material:**

Black Liquid Crystal Polymer (-S & -D) or Black High Temperature Thermoplastic (-T)  
**Contact Material:** Phosphor Bronze  
**Plating:** Au or Sn over 50µ" (1.27 µm) Ni



**Operating Temp Range:** -55°C to +125°C with Gold  
 -55°C to +105°C with Tin

**Contact Resistance:** 10 mΩ max

**Insertion Depth:** (3,68 mm) .145" to (6,35 mm) .250"

**Insertion Force:** (Single contact only) (-S plating)

Standard= 6 oz (1,67 N) avg (0,64 mm) .025" SQ pin);

SSW Low Insertion Force= 3 oz (0,83 N) avg

SSQ Low Insertion Force= 3.3 oz (0,92 N) avg

**Normal Force:** Standard= 125 grams (4.4 N)

**Withdrawal Force:** (Single contact only) (-S plating)

Standard= 5 oz (1,39 N) avg (0,64 mm) .025" SQ pin);

SSW Low Insertion Force= 2.6 oz (0,72 N) avg

SSQ Low Insertion Force= 2.9 oz (0,81 N) avg

**Max Cycles:** 100 with 10µ" (0,25 µm) Au

**Voltage Rating:** 550 VAC mated with TSW

**RoHS Compliant:** Yes

**Lead-Free Solderable:** Yes

**Mates With:** TSW, MTSW, MTLW, LCW, EW, ZW, TSS, ZSS, TSM, TSSH, HTSS



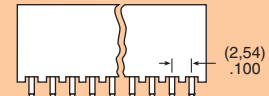
TYPE STRIP

SSW = Solder Tail

SSQ = Square Tail

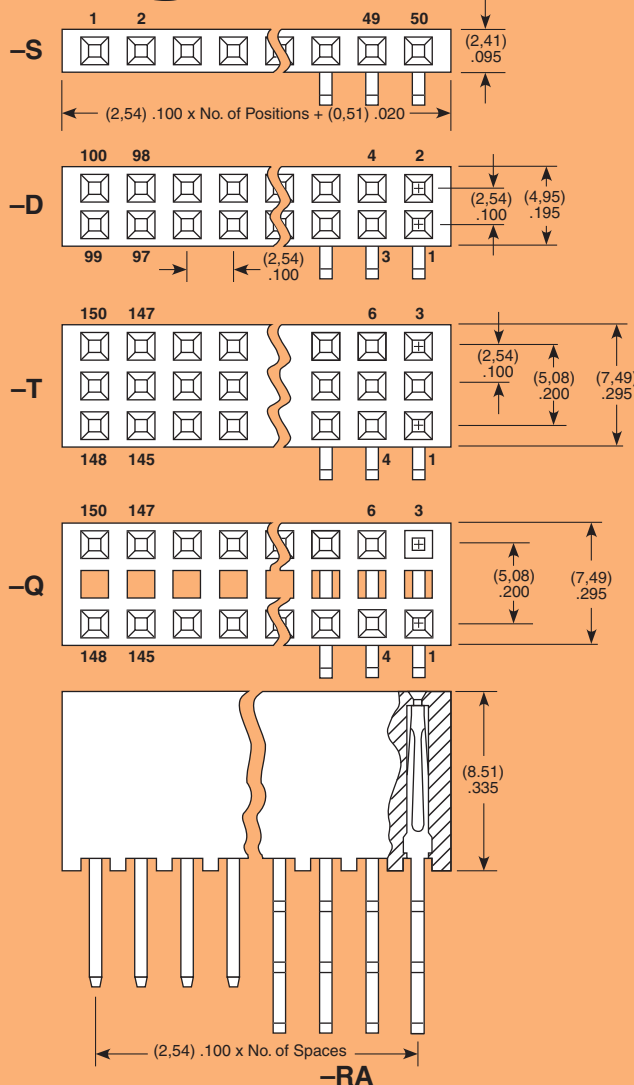
PIN CENTERS

-1 = (2,54 mm) .100" Centers



NO. PINS PER ROW

01 thru 50

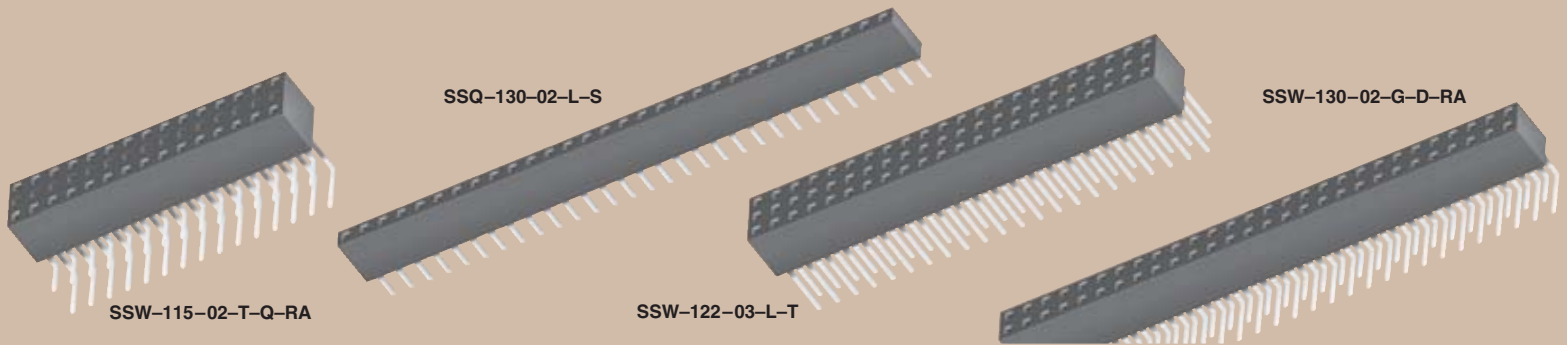


CURRENT RATING (PER CONTACT)		
AMBIENT TEMP	TSW mated with SSQ	TSW mated with SSW
20°C	7.6A	6.9A
40°C	6.9A	6.1A
60°C	5.9A	5.3A
95°C	3.9A	3.5A
6 POSITIONS (2x3) POWERED		

**Note:** Some lengths, styles and options are non-standard, non-returnable.

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM



SSW-115-02-T-Q-RA

SSQ-130-02-L-S

SSW-122-03-L-T

SSW-130-02-G-D-RA

### LEAD STYLE

### PLATING OPTION

### ROW OPTION

### TAIL OPTION

### OTHER OPTION

**-F**

= Gold flash on contact,  
Matte Tin on tail

**-L**

= 10µ" (0,25 µm) Gold on contact,  
Matte Tin on tail

**-G**

= 20µ" (0,51 µm) Gold on contact,  
Gold flash on tail

**-T**

= Matte Tin  
(-T N/A on LIF contacts)

**Note:** Other Gold plating options available. Contact Samtec.

**-S**

= Single Row

**-P**

= Single Row  
(Notched to mate with LCW)  
36 pins max

**-D**

= Double Row

**-T**

= Triple Row

**-Q**

= Double Row  
.200" (5,08 mm) row space  
(Outer rows filled only)

**-RA**

= Right Angle  
(Leave blank for straight pin version)

**-LL**

= Locking Lead



Two leads per strip crimped in opposite directions on or near centerline. Available on tails from (2,29 mm) .090" to (7,87 mm) .310" only. N/A with single row 1 or 2 positions.

**-“XXX”**

= Polarized  
(Specify “XXX” as position number)

### APPLICATION SPECIFIC OPTION

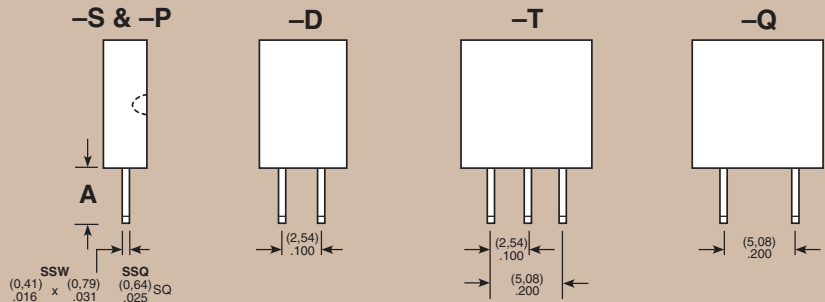
Notch available.  
Call Samtec.

## Straight Pin Versions (Specify “LEAD STYLE” from chart)

LEAD STYLE		SINGLE DOUBLE OR TRIPLE A
Standard Insertion Force	Low Insertion Force*	
-01	-21	(2,64) .104
-02	-22	(4,93) .194
-03	-23	(10,00) .394
-04	-24	(14,83) .584
-06**	N/A	(3,15) .124

\* LIF N/A with Tin Plating

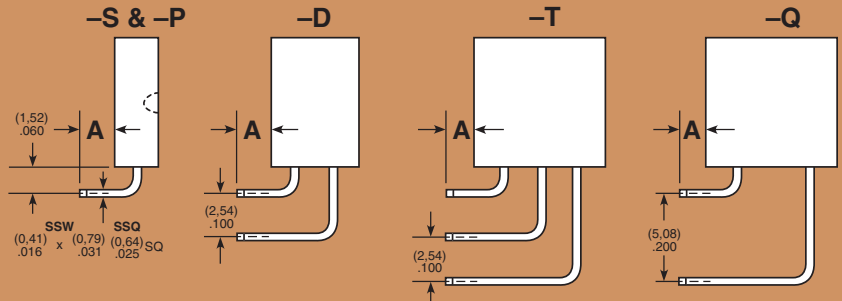
\*\*Style -06 N/A with SSW



## Right Angle Versions (Specify “LEAD STYLE” from chart)

LEAD STYLE		SINGLE	DOUBLE	TRIPLE
Standard Insertion Force	Low Insertion Force*	(-S & -P) A	(-D) A	(-T & -Q) A
-02	-22	(2,54) .100	(2,54) .100	(2,54) .100
-03	-23	(7,62) .300	(7,62) .300	N/A
-04	-24	(12,45) .490	N/A	N/A

\*LIF N/A with Tin Plating



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