

SSW-125-01-G-S

SSQ-116-03-L-T

(2,54 mm) .100"

# 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

**Current Rating (TSW/SSW):**

5.7 A per pin

(1 pin powered per row)

**Current Rating (SSQ/TSW):**

6.3 A per pin

(1 pin powered per row)

**Operating Temp Range:**

-55°C to +125°C with Gold

-55°C to +105°C with Tin

**Contact Resistance:** 10 mΩ

**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,

EW, ZW, TSS, ZSS,

TSM, TSSH, HTSS



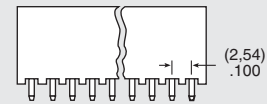
**TYPE STRIP**

SSW = Solder Tail

SSQ = Square Tail

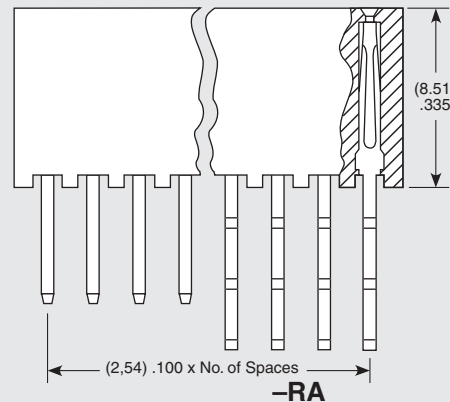
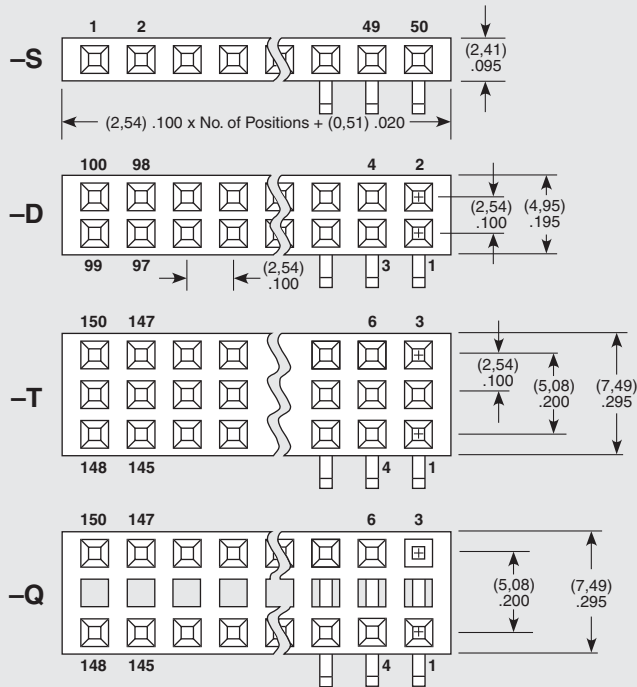
**PIN CENTERS**

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



**NO. PINS PER ROW**

01 thru 50

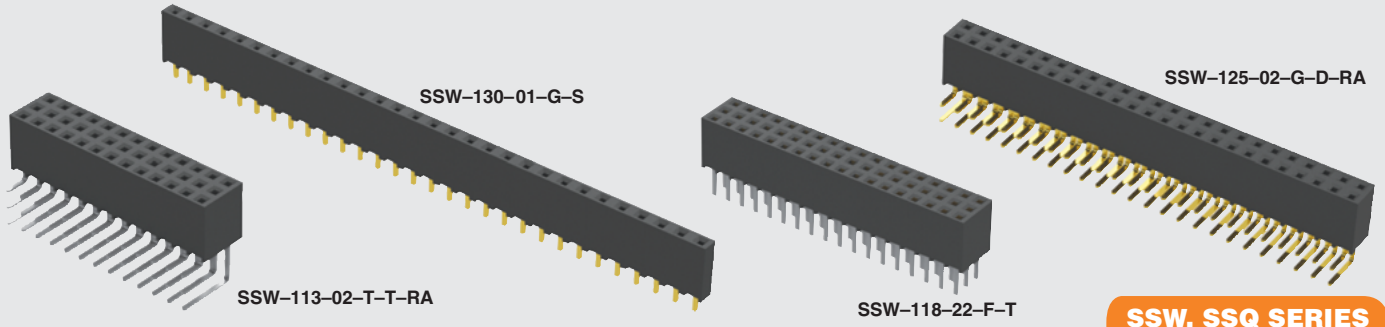


## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



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



**SSW, SSQ SERIES**

**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)

**-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)

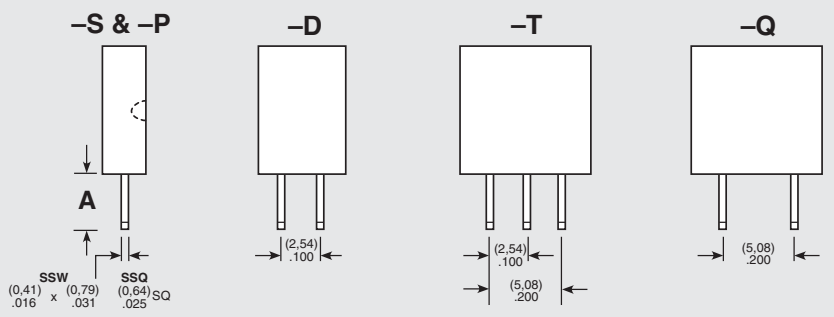
**ALSO AVAILABLE (MOQ Required)**

- Other platings
- Notch option
- Contact 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

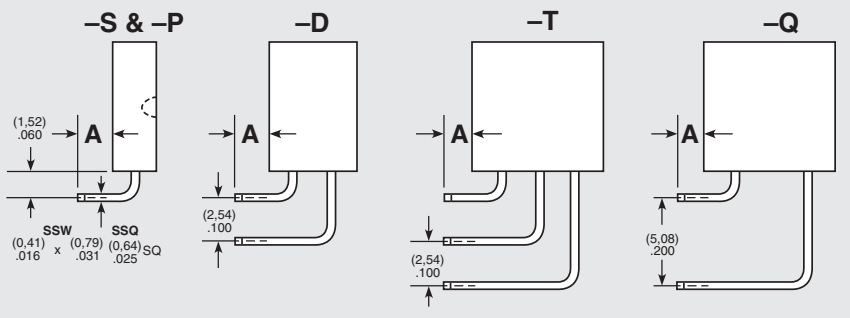
\* LIF N/A with Tin Plating  
\*\*Style -06 N/A with SSQ



**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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