

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 50 μ" (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 10 μ" (0.25 μm) Au

**Voltage Rating:**

550 VAC mated with TSW

**RoHS Compliant:**

Yes

## PROCESSING

**Lead-Free Solderable:**

Yes:

-S and -D row option

Wave only:

-P, -T and -Q row option

## 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.

**Mates With:**

TSW, MTSW, MTLW, EW, ZW, TSS, ZSS, TSM, TSSH, HTSS



TYPE STRIP

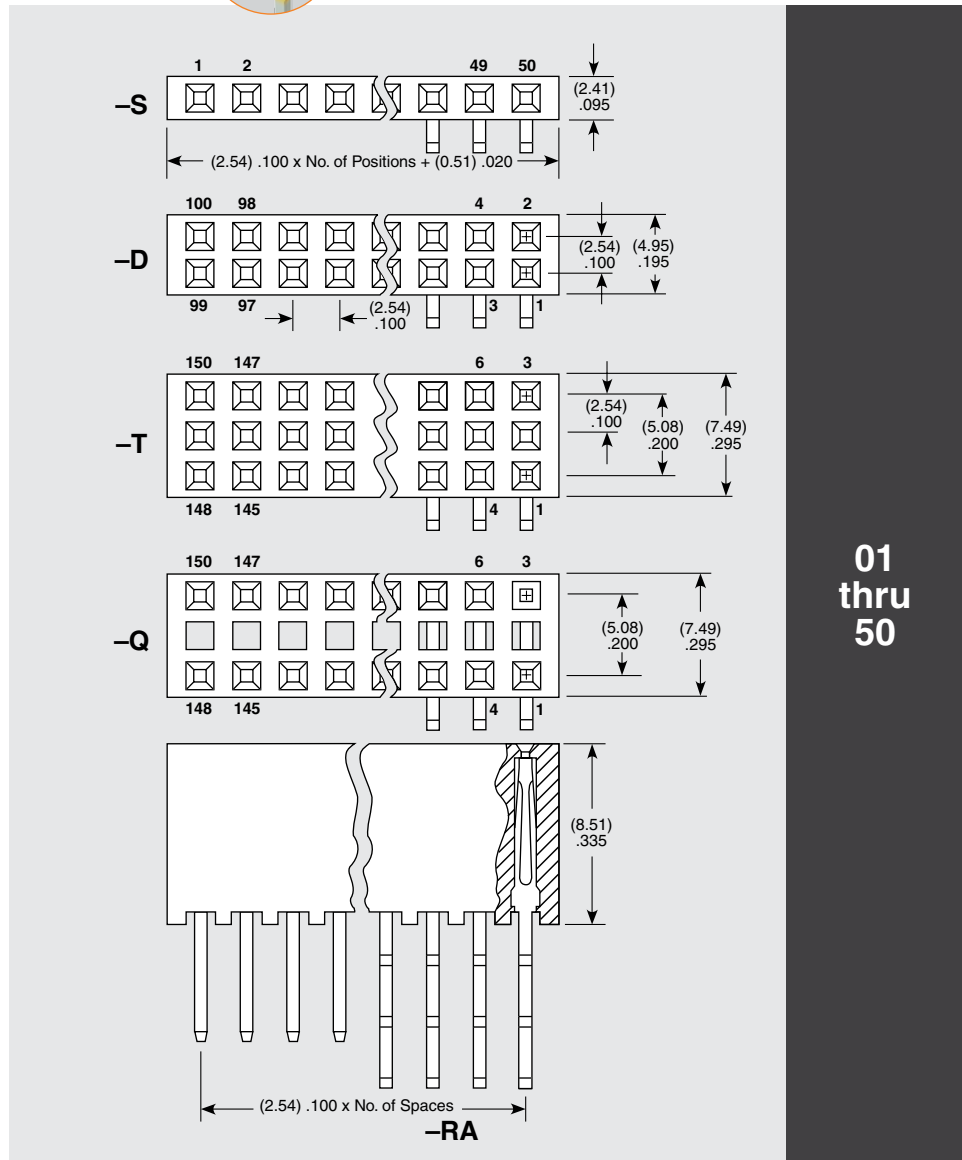
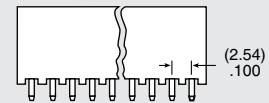
PIN CENTERS

NO. PINS PER ROW

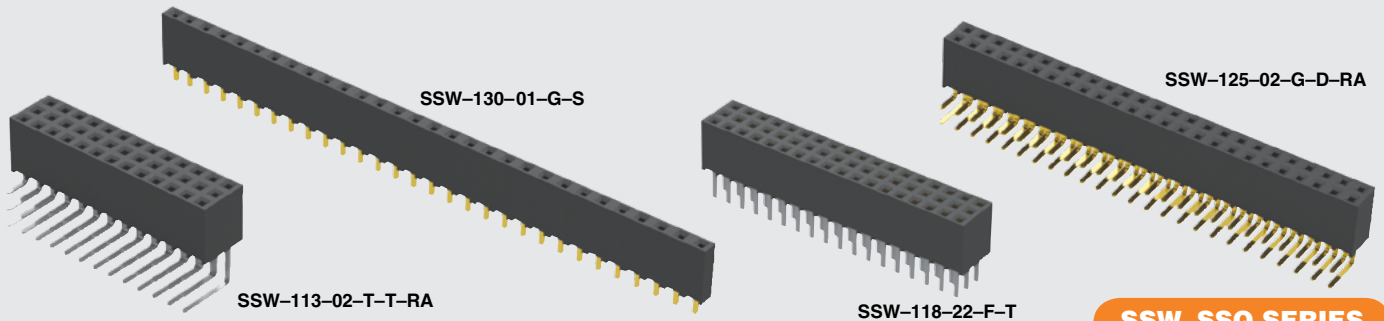
SSW = Solder Tail

SSQ = Square Tail

-1 = (2.54 mm) .100" Centers



01 thru 50



**SSW, SSQ SERIES**

**LEAD STYLE**

**PLATING OPTION**

**ROW OPTION**

**TAIL OPTION**

**OTHER OPTION**

**-F**  
= Gold flash on contact,  
Matte Tin on tail

**-L**  
= 10  $\mu$ " (0.25  $\mu$ m) Gold on contact,  
Matte Tin on tail

**-G**  
= 20  $\mu$ " (0.51  $\mu$ m) 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)

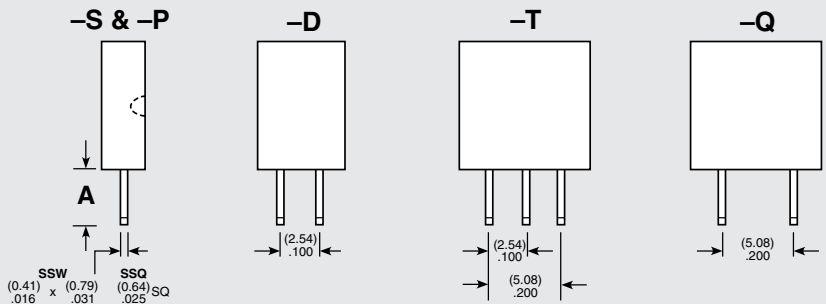
**ALSO AVAILABLE (MOQ Required)**

- Other platings
  - Notch option
- Contact Samtec.

**Straight Pin Versions** (Specify "LEAD STYLE" from chart)

LEAD STYLE		SINGLE DOUBLE OR TRIPLE
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
-01	-22	(2.54) .100	(2.54) .100	(2.54) .100
-02	-23	(7.62) .300	(7.62) .300	N/A
-03	-24	(12.45) .490	N/A	N/A

\* LIF N/A with Tin Plating

