

(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 μm (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"

### Normal Force:

Standard= 125 grams (4.4 N)

### Max Cycles:

100 with 10 μm (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

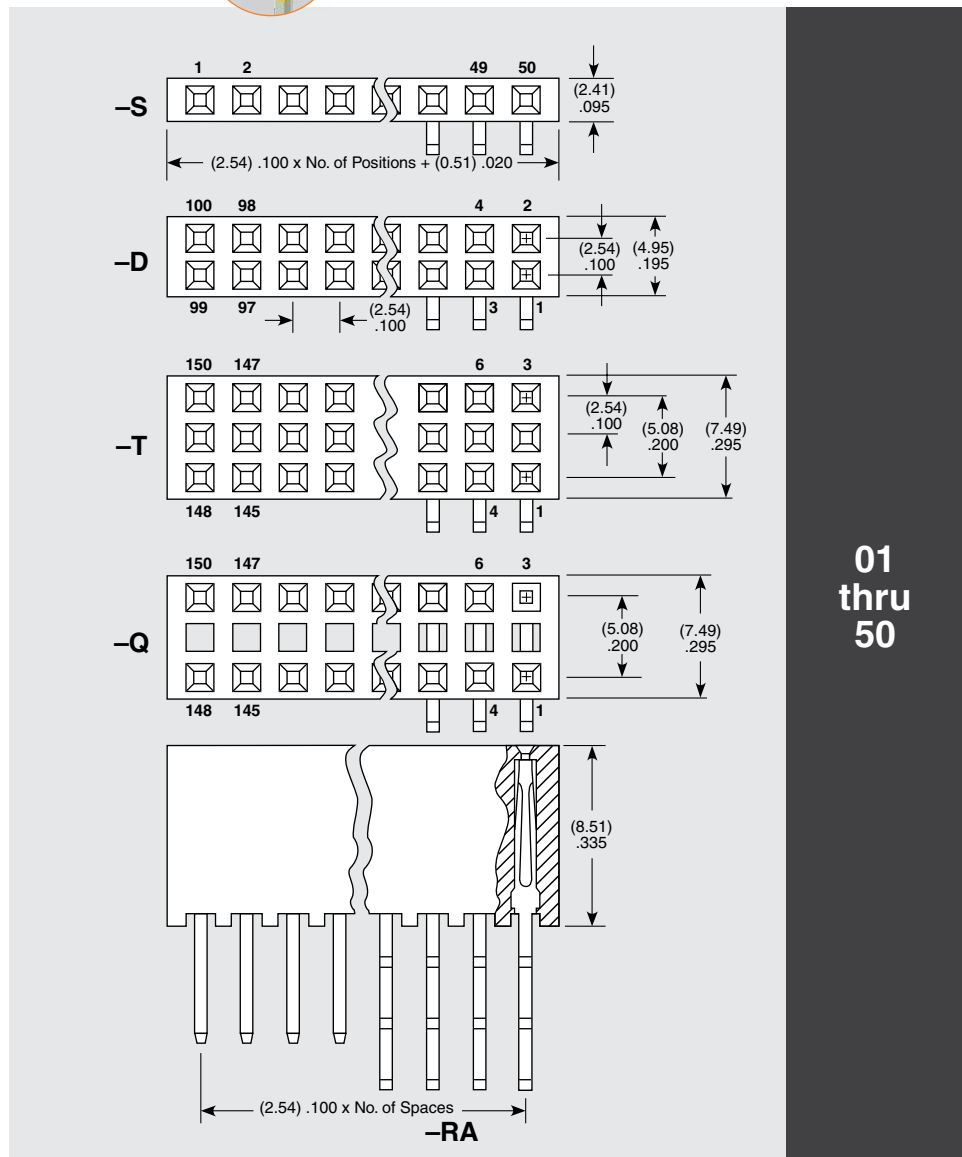
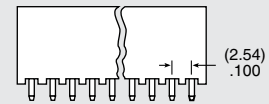
PIN CENTERS

NO. PINS PER ROW

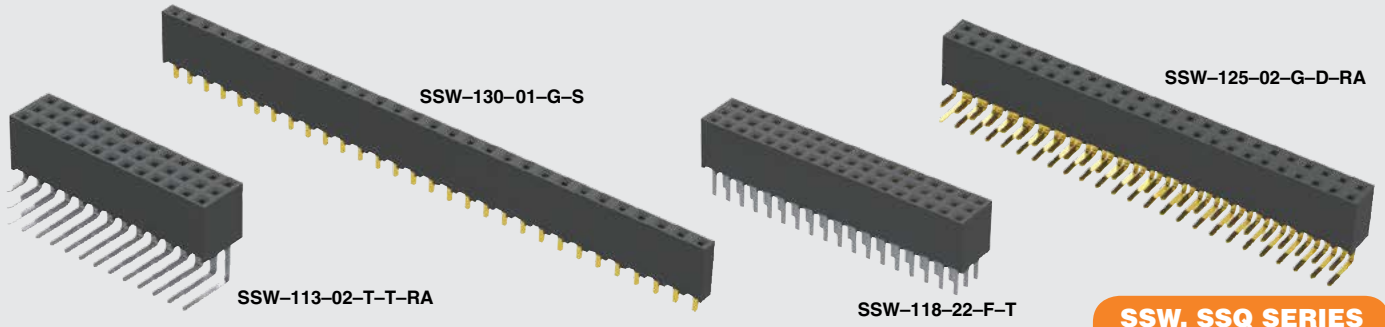
SSW = Solder Tail

-1 = (2.54 mm) .100" Centers

SSQ = Square Tail



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 μ" (0.25 μm) Gold on contact, Matte Tin on tail
- G**  
= 20 μ" (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)**

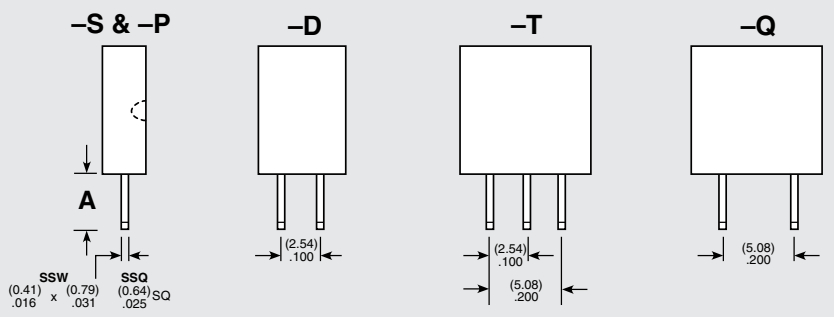
- Other platings
- Notch option

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

