

(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:**

Wave only

## Mates With:

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



TYPE STRIP

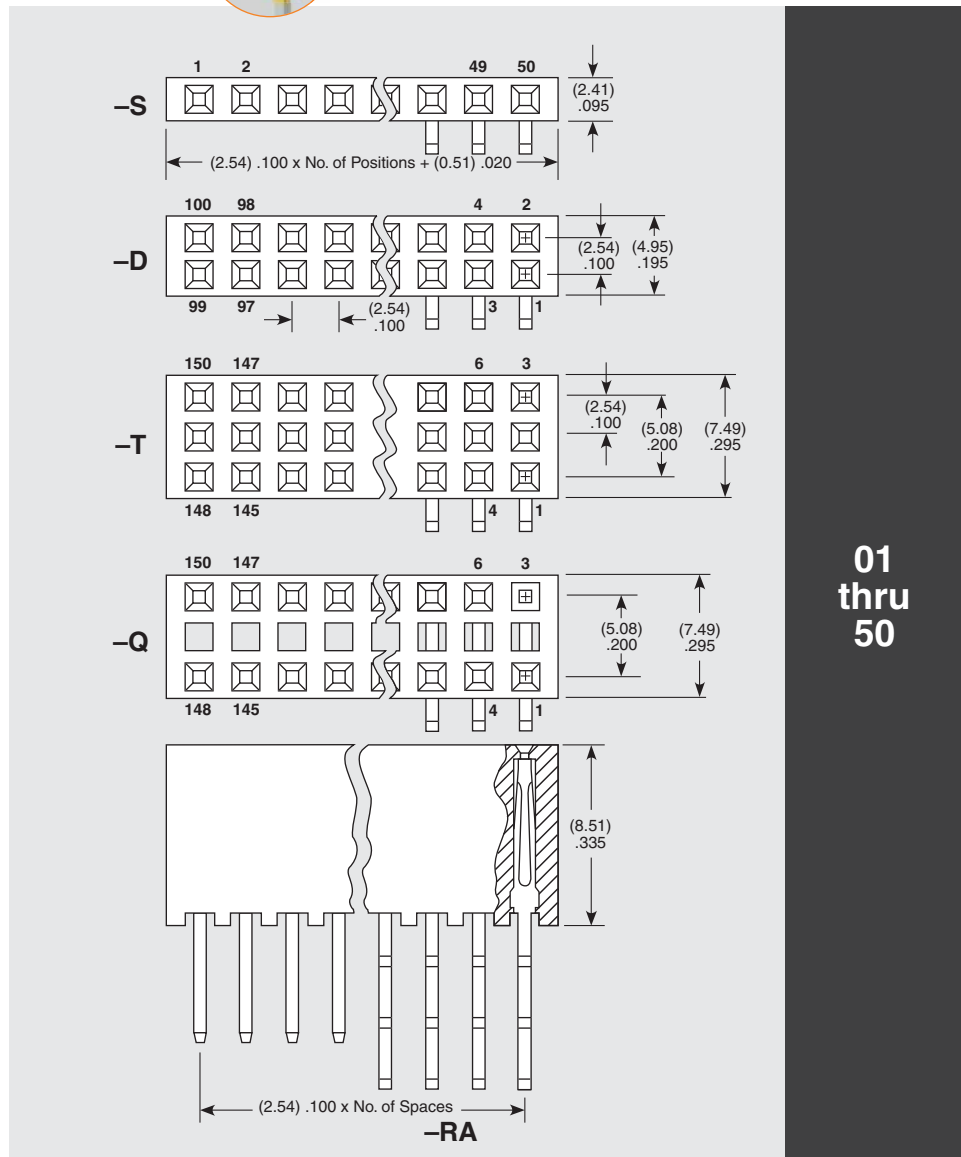
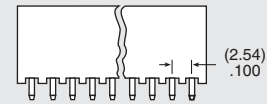
PIN CENTERS

NO. PINS PER ROW

SSW = Solder Tail

-1 = (2.54 mm) .100" Centers

SSQ = Square Tail



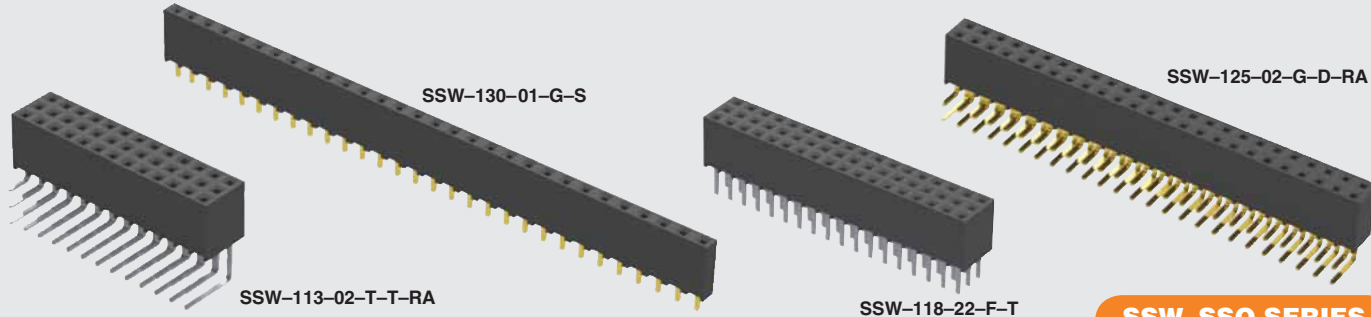
01 thru 50

## 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
	<p><b>-F</b> = Gold flash on contact, Matte Tin on tail</p> <p><b>-L</b> = 10µ" (0.25 µm) Gold on contact, Matte Tin on tail</p> <p><b>-G</b> = 20µ" (0.51 µm) Gold on contact, Gold flash on tail</p> <p><b>-T</b> = Matte Tin (-T N/A on LIF contacts)</p>	<p><b>-S</b> = Single Row</p> <p><b>-P</b> = Single Row (Notched to mate with LCW) 36 pins max</p> <p><b>-D</b> = Double Row</p> <p><b>-T</b> = Triple Row</p> <p><b>-Q</b> = Double Row .200" (5.08 mm) row space (Outer rows filled only)</p>	<p><b>-RA</b> = Right Angle (Leave blank for straight pin version)</p>	<p><b>-LL</b> = Locking Lead</p> <p>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.</p> <p><b>-“XXX”</b> = Polarized (Specify “XXX” as position number)</p>

ALSO AVAILABLE (MOQ Required)

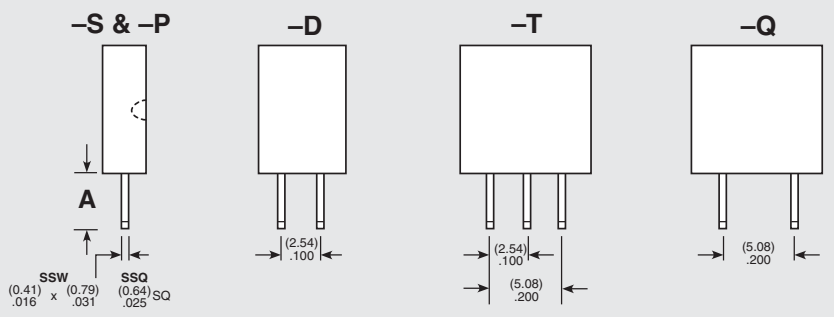
- Other platings
- Notch option

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

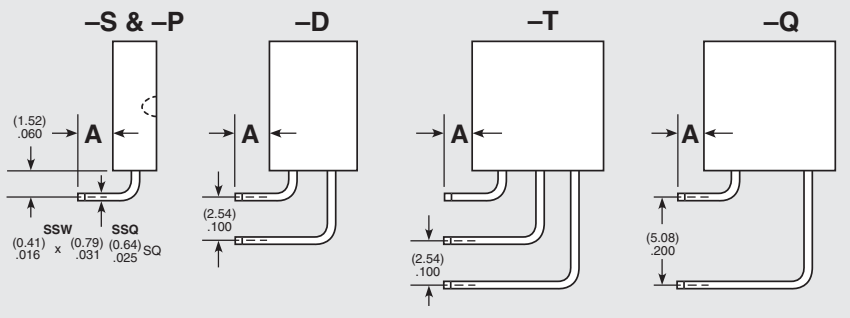
\* LIF N/A with Tin Plating  
\*\*Style -06 N/A with SSQ



**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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