

(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 50 μ" (1.27 μm) Ni

**Current Rating (SSW/TSM):** 4.7 A per pin (2 pins powered)  
**Current Rating (SSQ/TSW):** 6.3 A per pin (2 pins powered)  
**Operating Temp Range:** -55 °C to +125 °C with Gold, -55 °C to +105 °C with Tin  
**Insertion Depth:** (3.68 mm) .145" to (6.35 mm) .250"  
**Normal Force:** Standard= 125 grams (4.4 N)  
**Max Cycles:** 100 with 10 μ" (0.25 μm) Au  
**Voltage Rating:** 465 VAC / 655 VDC  
**RoHS Compliant:** Yes

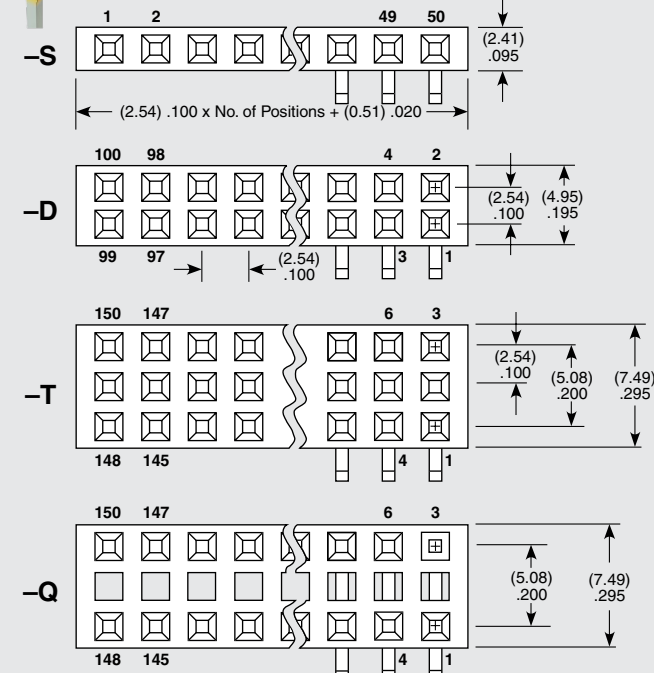
Mates With:

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

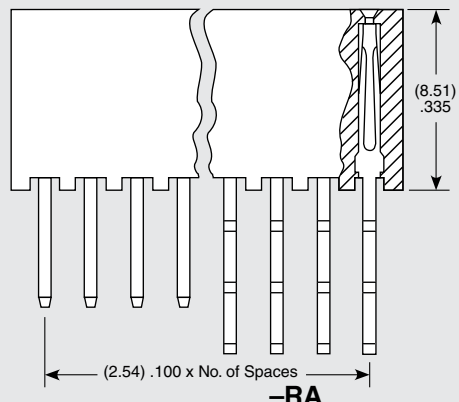
### HIGH-SPEED CHANNEL PERFORMANCE

Rating based on Samtec reference channel. For full SI performance data visit [Samtec.com](http://Samtec.com) or contact [SIG@samtec.com](mailto:SIG@samtec.com)

**8**  
Gbps



01 thru 50



**TYPE STRIP**  
**SSW** = Solder Tail  
**SSQ** = Square Tail

**PIN CENTERS**  
**-1** = (2.54 mm) .100" Centers

**NO. PINS PER ROW**

**LEAD STYLE**

**PLATING 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)

**ROW OPTION**  
**-S** = Single Row  
**-P** = Single Row (36 pins max)  
**-D** = Double Row  
**-T** = Triple Row  
**-Q** = Double Row .200" (5.08 mm) row space (Outer rows filled only)

**TAIL OPTION**  
**-RA** = Right-angle (Leave blank for straight pin version)

**OTHER OPTION**  
**-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

## PROCESSING

**Lead-Free Solderable:** Yes  
 -S and -D row option  
 No, Lead Wave only:  
 -P, -T and -Q row option

## RECOGNITIONS

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

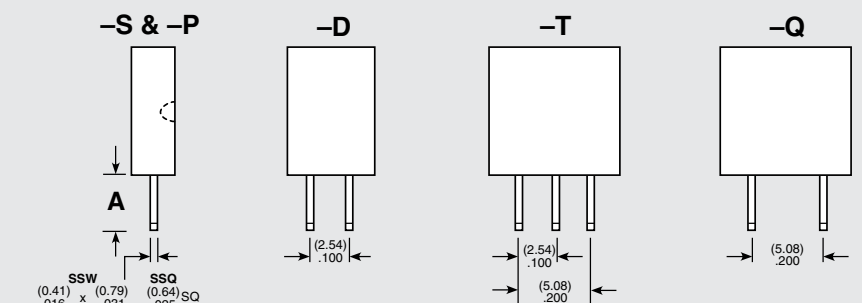


**Note:** Some lengths, styles and options are non-standard, non-returnable.

## 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**	Not Available	(3.15) .124

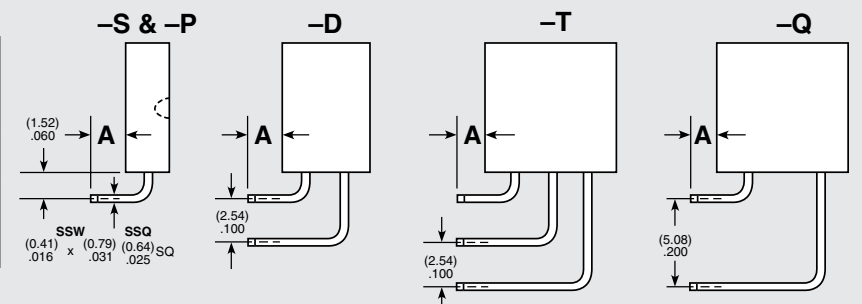
\* LIF not available with Tin Plating  
 \*\*Style -06 Not available with SSQ



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

LEAD STYLE	SINGLE (-S) A	DOUBLE (-D) A	TRIPLE (-T & -Q) A
-02	-22	(2.54) .100	(2.54) .100
-03	-23	(7.62) .300	(7.62) .300
-04	-24	(12.45) .490	Not Available

\*LIF not available with Tin Plating



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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

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