

(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

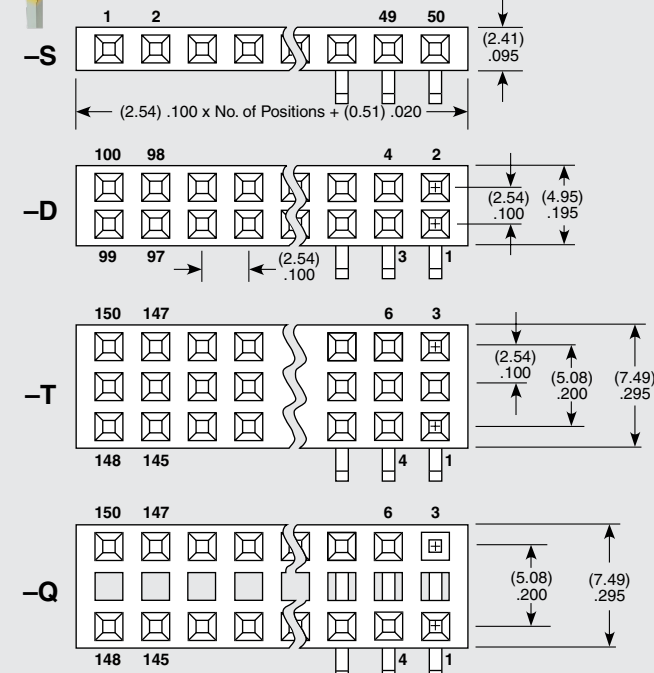
**RoHS Compliant:**  
 Yes

**Mates With:**  
 TSW, MTSW, MTLW, DW, EW, ZW, TSS, ZSS, TSM, TSSH, HTSS

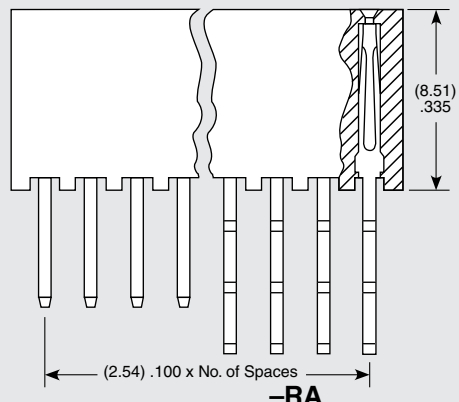
### HIGH-SPEED CHANNEL PERFORMANCE

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



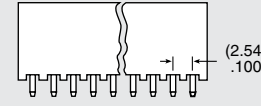
## TYPE STRIP

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)

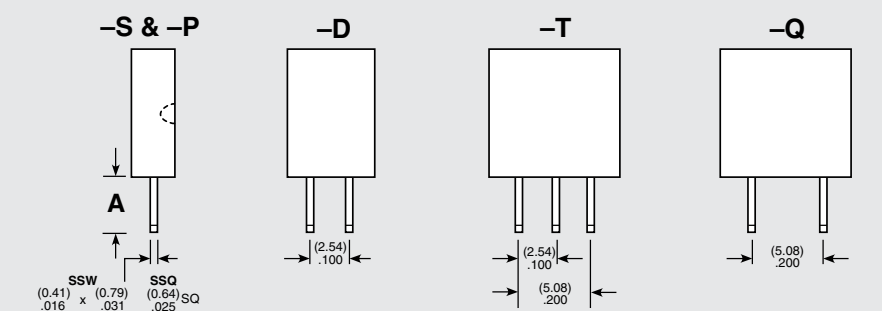


**Note:**  
 Some lengths, styles and options are non-standard, non-returnable.

## 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               |

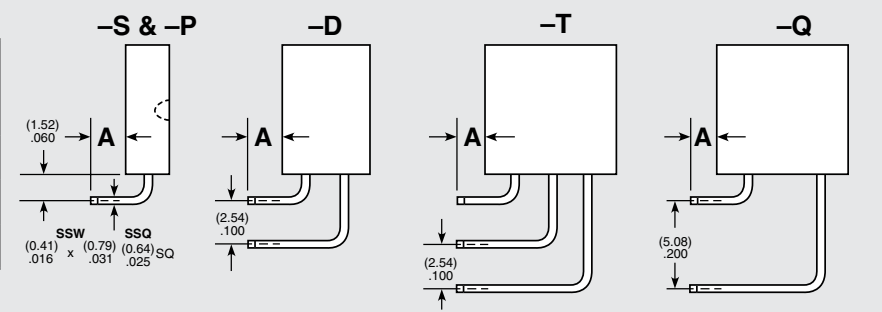
\* LIF not available with Tin Plating  
 \*\*Style -06 Not available with SSQ



## 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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