

(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  $\mu$ " (1.27  $\mu$ m) Ni  
**Current Rating (SSW/TSW):**  
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  $\mu$ " (0.25  $\mu$ m) Au  
**Voltage Rating:**  
465 VAC / 655 VDC  
**RoHS Compliant:**  
Yes

## 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.

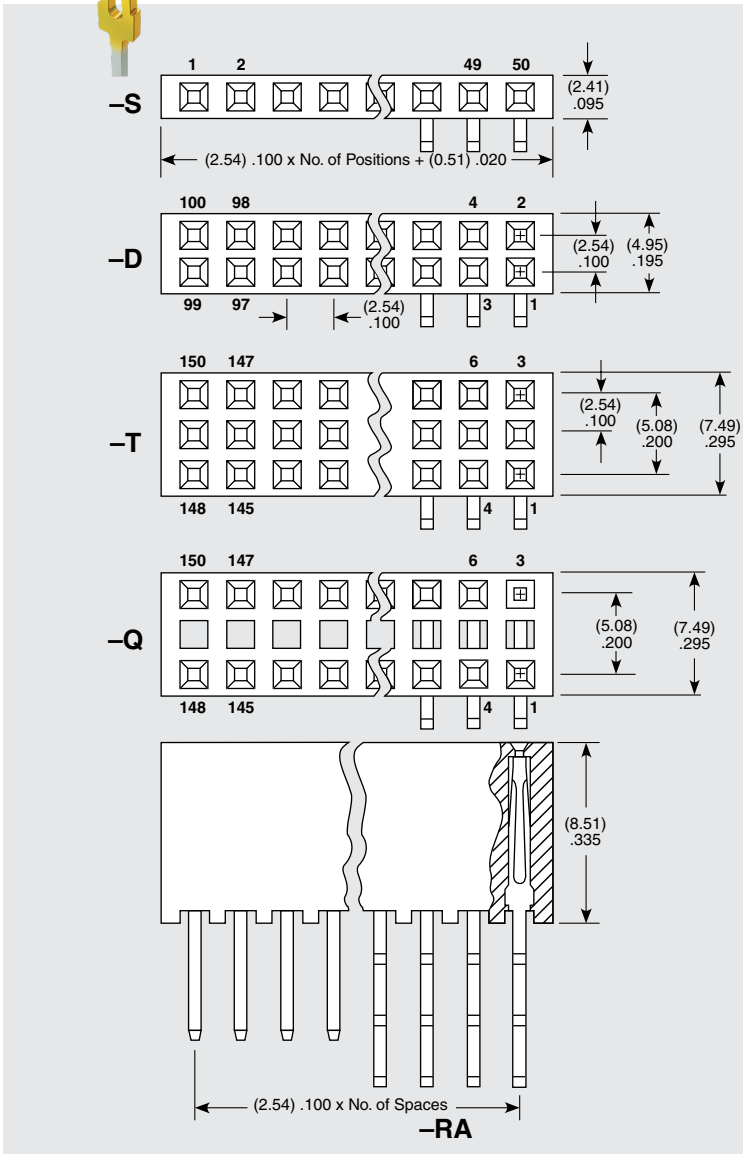
Mates With:

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



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

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

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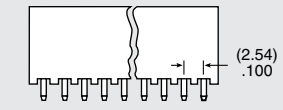
## TYPE STRIP

**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  $\mu$ " (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)

## 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)

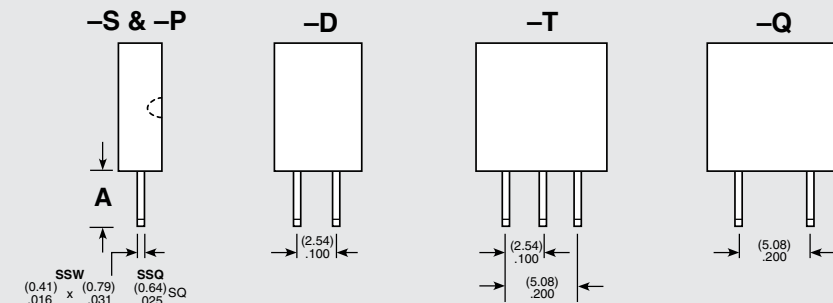
**ALSO AVAILABLE** (MOQ Required)

- Other platings
- Notch option

## 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               |

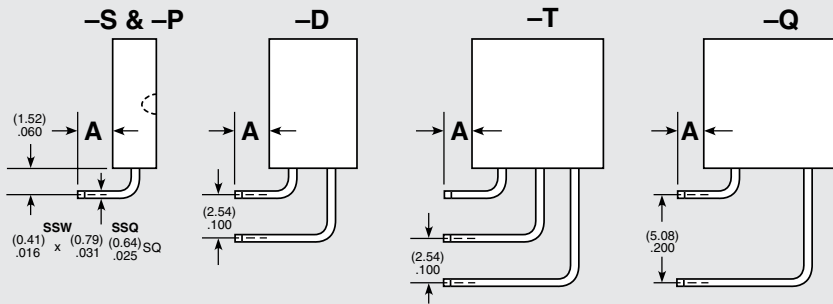
\* LIF not available with Tin Plating  
\*\*Style -06 Not available with SSQ



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

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

\*LIF not available with Tin Plating



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