

(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 μ" (1.27 μm) 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 μ" (0.25 μm) 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.

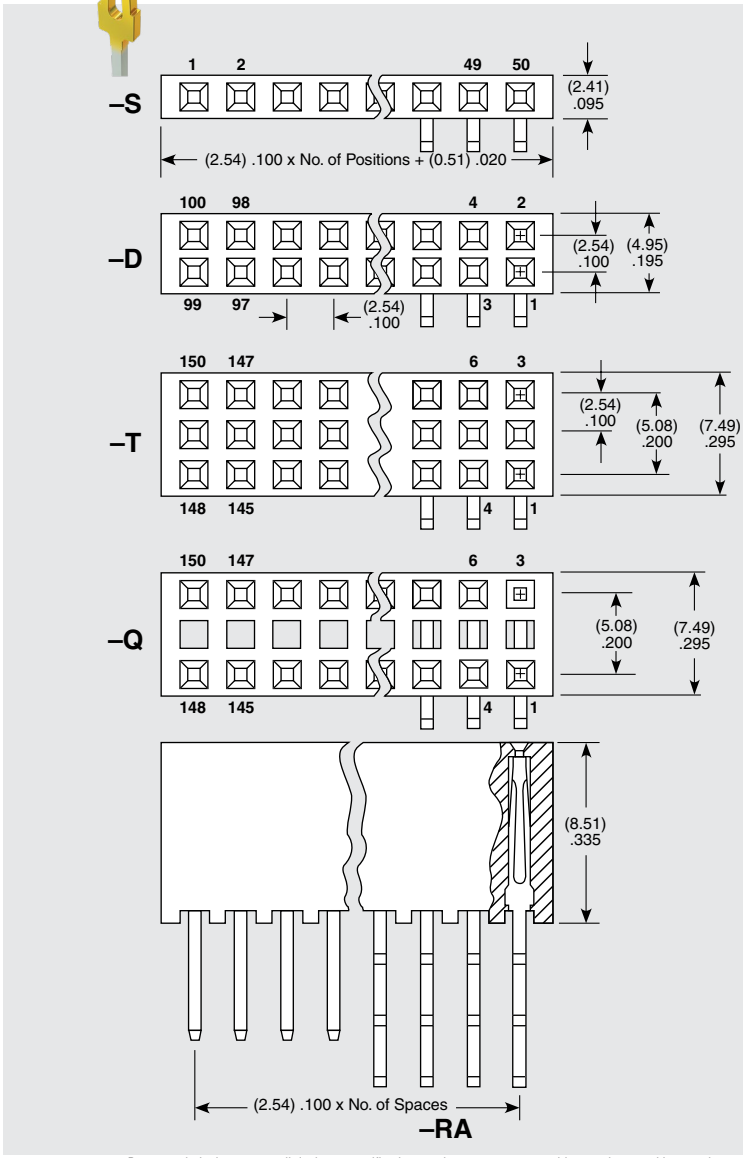
Mates With:

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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Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

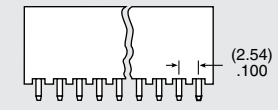
## TYPE STRIP

**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

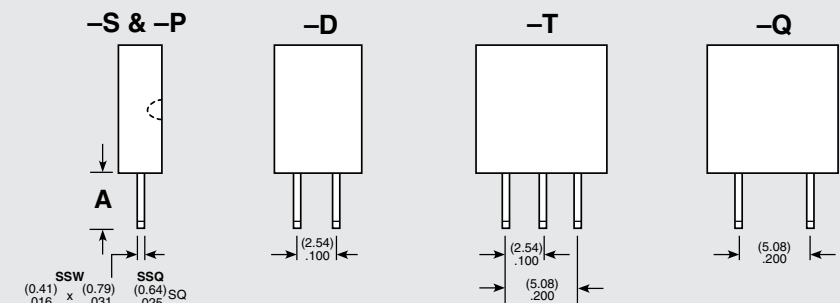
**-RA**  
= Right-angle (Leave blank for straight pin version)

- 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

## 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

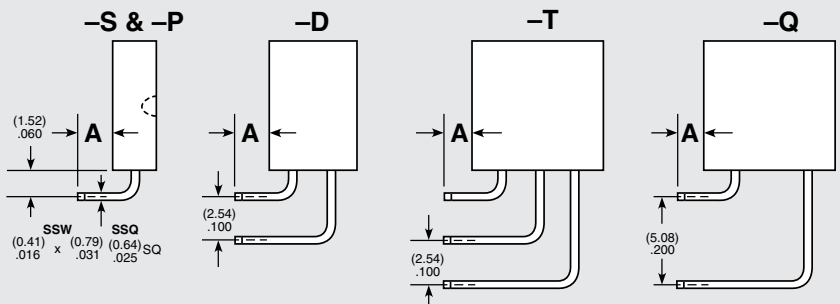
\* LIF not available with Tin Plating  
\*\*Style -06 Not available with SSQ



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

LEAD STYLE		SINGLE	DOUBLE	TRIPLE
Standard Insertion Force	Low Insertion Force*	(-S) 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	Not Available
-04	-24	(12.45) .490	Not Available	Not Available

\*LIF not available with Tin Plating



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