

(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.

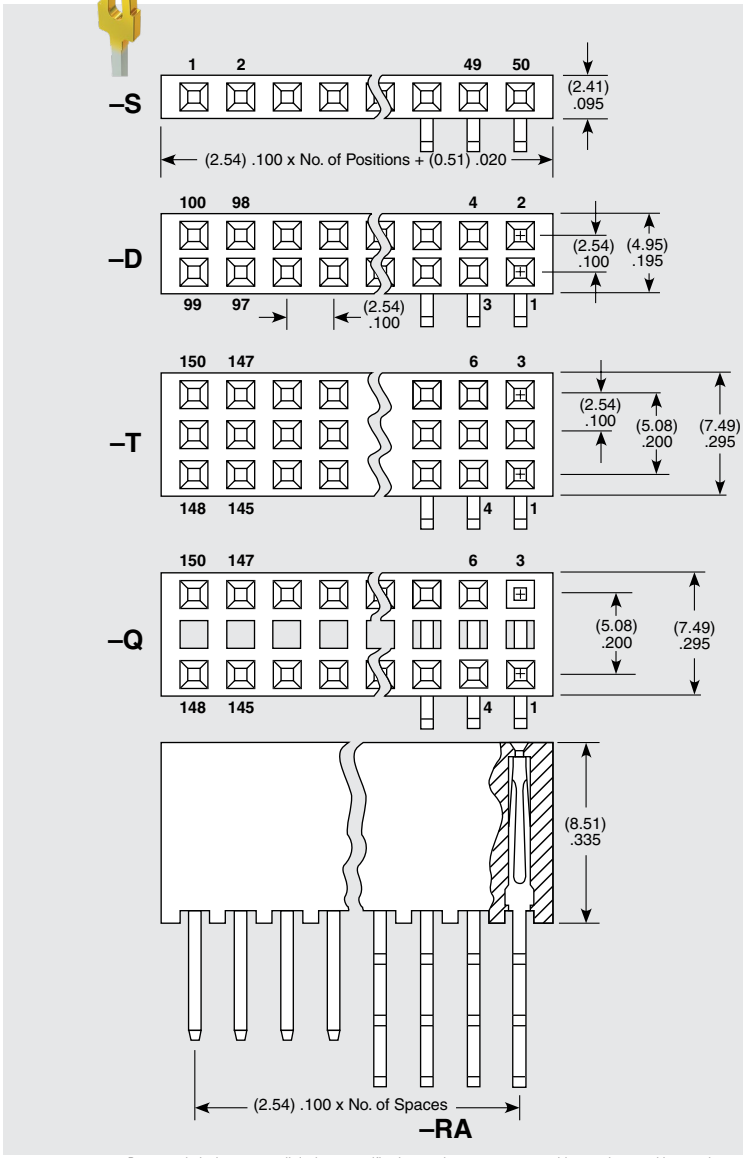
Mates With:

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



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

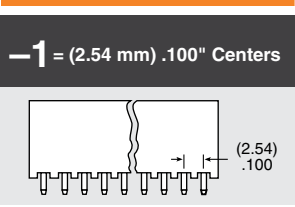
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TYPE STRIP

SSW = Solder Tail

SSQ = Square Tail

PIN CENTERS



NO. PINS PER ROW

01 thru 50

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

-“XXX”  
= Polarized (Specify “XXX” as position number)

ALSO AVAILABLE (MOQ Required)

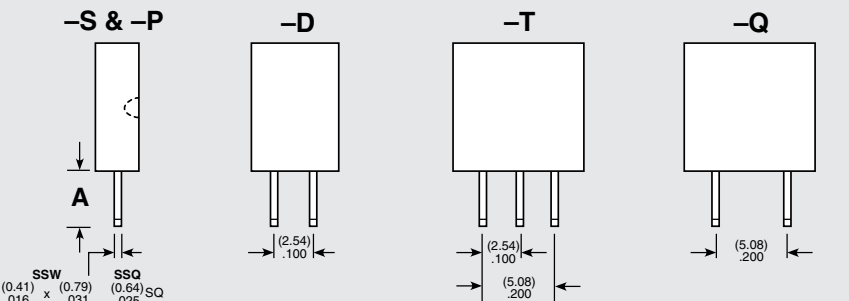
- Other platings
- Notch option

## 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

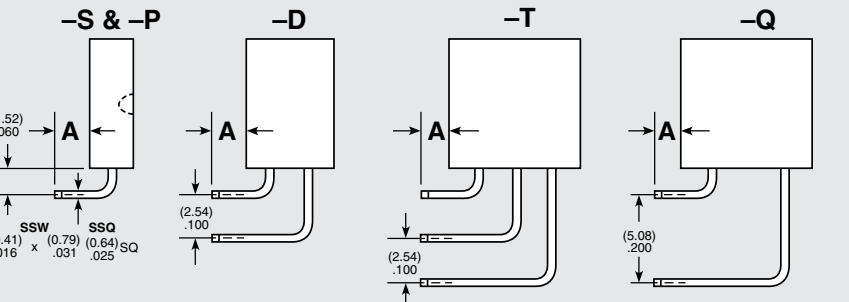
\*\*Style -06 Not available with SSQ



## 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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