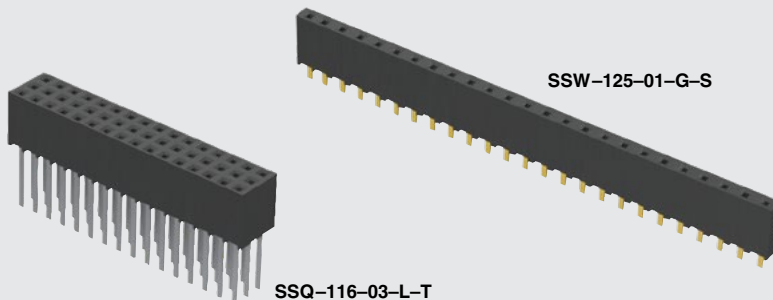


(2.54 mm) .100"



# 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/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  $\mu$ " (0.25  $\mu$ m) Au

**Voltage Rating:**  
465 VAC / 655 VDC

**RoHS Compliant:**

Yes

## Mates With:

TSW, MTSW, MTLW, 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  
G b p s



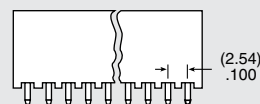
## TYPE STRIP

SSW = Solder Tail

SSQ = Square Tail

## PIN CENTERS

-1 = (2.54 mm) .100" Centers



## NO. PINS PER ROW

## PROCESSING

**Lead-Free Solderable:**

Yes:

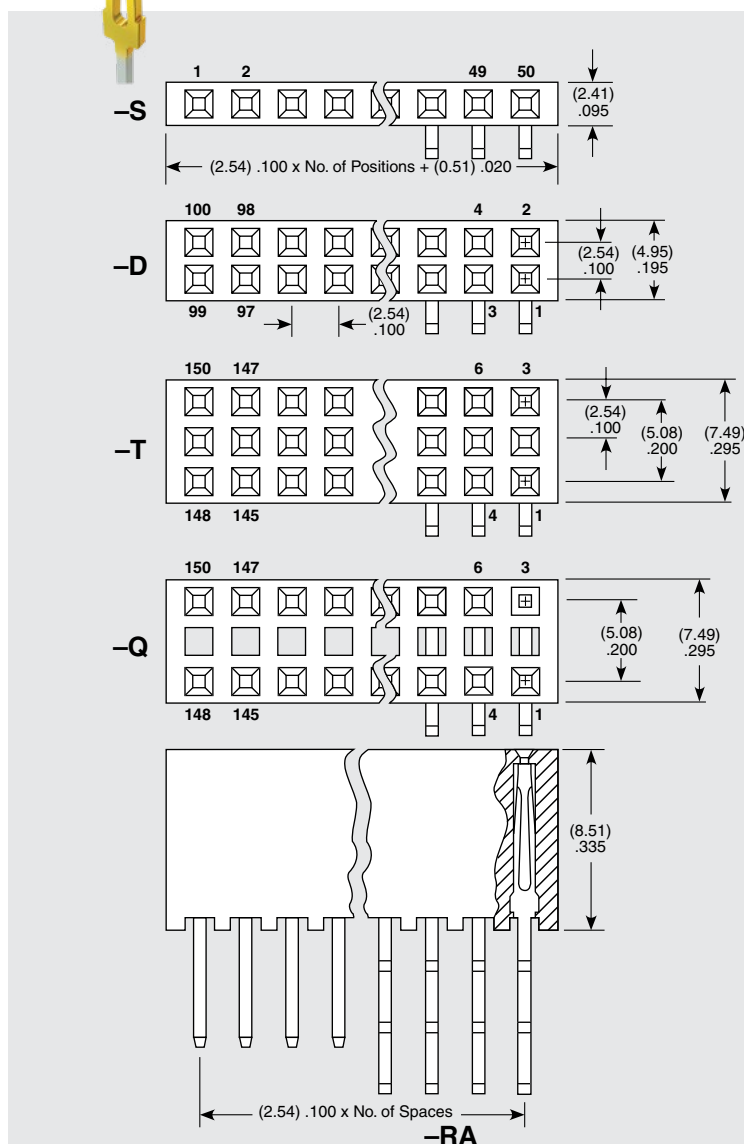
-S and -D row option

Wave only:

-P, -T and -Q row option

## RECOGNITIONS

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



01  
thru  
50

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

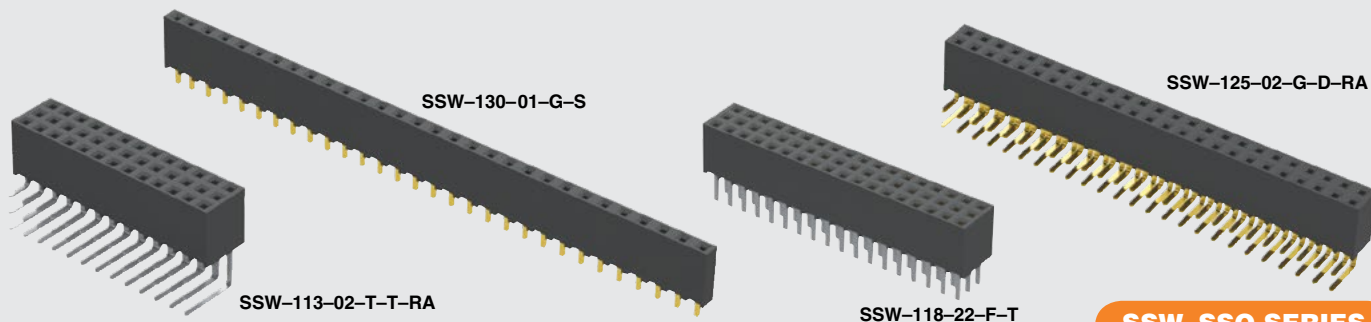
[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

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.

### Note:

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



## SSW, SSQ SERIES

### LEAD STYLE

### PLATING OPTION

### ROW OPTION

### TAIL OPTION

### OTHER 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)

**-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)

**-RA**

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

**-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)

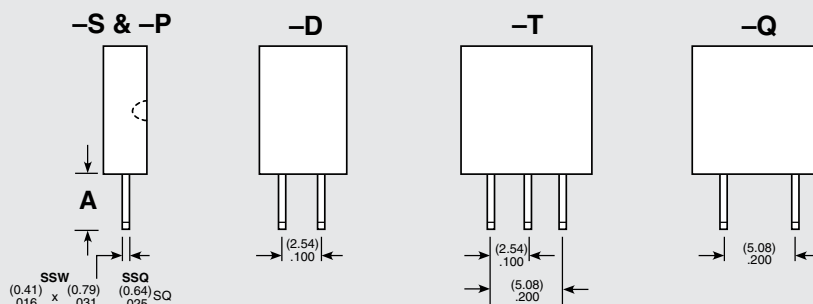
- Other platings
- Notch option

## Straight Pin Versions (Specify “LEAD STYLE” from chart)

| LEAD STYLE                     |                            | SINGLE<br>DOUBLE<br>OR<br>TRIPLE<br>A |
|--------------------------------|----------------------------|---------------------------------------|
| Standard<br>Insertion<br>Force | Low<br>Insertion<br>Force* |                                       |
| -01                            | -21                        | (2.64) .104                           |
| -02                            | -22                        | (4.93) .194                           |
| -03                            | -23                        | (10.00) .394                          |
| -04                            | -24                        | (14.83) .584                          |
| -06**                          | Not<br>Available           | (3.15) .124                           |

\* LIF not available with Tin Plating

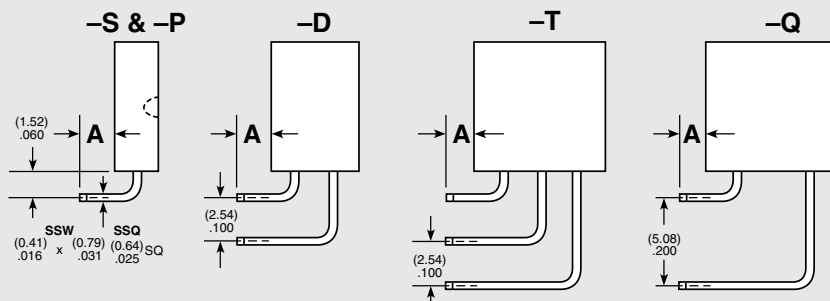
\*\*Style -06 Not available with SSQ



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

| LEAD STYLE                     |                            | SINGLE       | DOUBLE        | TRIPLE         |
|--------------------------------|----------------------------|--------------|---------------|----------------|
| Standard<br>Insertion<br>Force | Low<br>Insertion<br>Force* | (-S)<br>A    | (-D)<br>A     | (-T & -Q)<br>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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