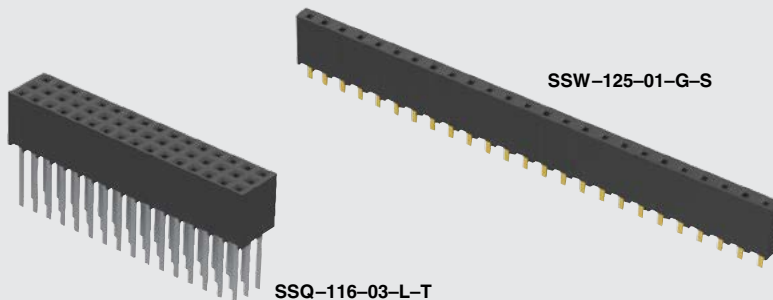


(2.54 mm) .100"



# 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 (1 pin powered per row)

### Current Rating (SSQ/TSW):

6.3 A per pin (1 pin powered per row)

### 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



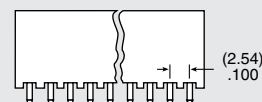
## TYPE STRIP

SSW = Solder Tail

SSQ = Square Tail

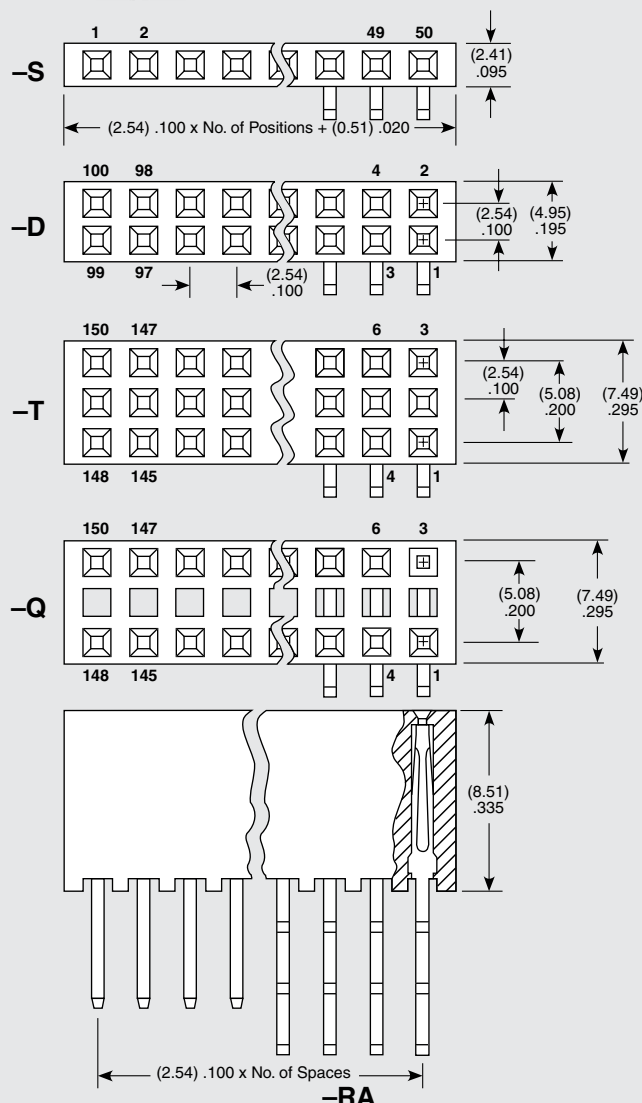
## PIN CENTERS

-1 = (2.54 mm) .100" Centers



## NO. PINS PER ROW

01  
thru  
50



## 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)

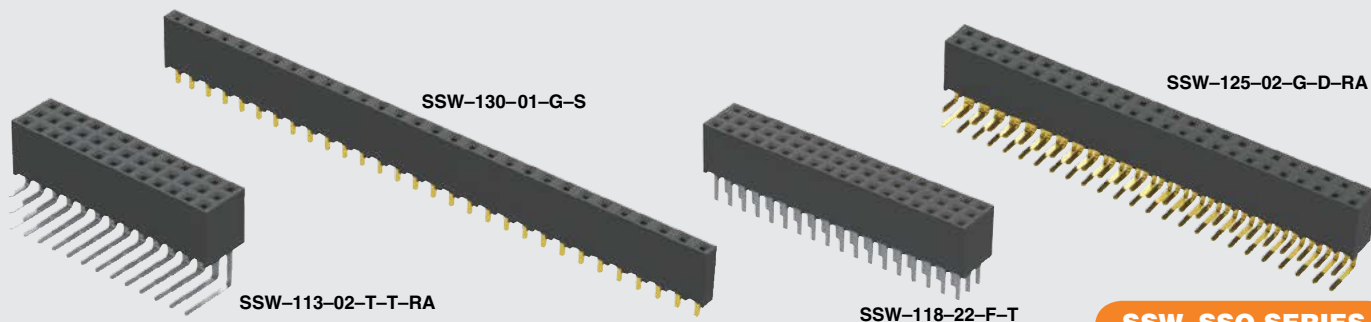


**Note:**  
Some lengths, styles and options are non-standard, non-returnable.

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.



## 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)

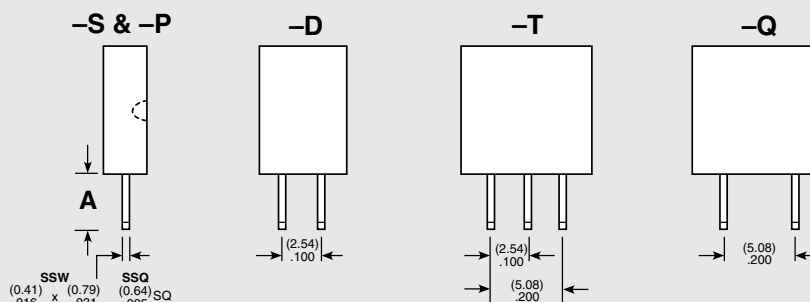
- Other platings
  - Notch option
- Contact Samtec.

## 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**                          | N/A                        | (3.15) .124                           |

\* LIF N/A with Tin Plating

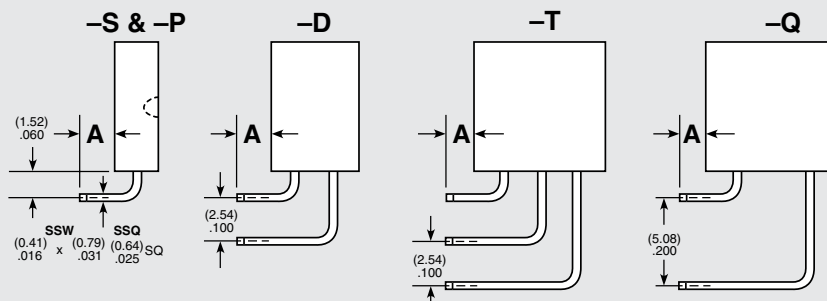
\*\*Style -06 N/A with SSQ



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

| LEAD STYLE                     |                            | SINGLE<br>(-S & -P)<br>A | DOUBLE<br>(-D)<br>A | TRIPLE<br>(-T & -Q)<br>A |
|--------------------------------|----------------------------|--------------------------|---------------------|--------------------------|
| Standard<br>Insertion<br>Force | Low<br>Insertion<br>Force* |                          |                     |                          |
| -02                            | -22                        | (2.54) .100              | (2.54) .100         | (2.54) .100              |
| -03                            | -23                        | (7.62) .300              | (7.62) .300         | N/A                      |
| -04                            | -24                        | (12.45) .490             | N/A                 | N/A                      |

\*LIF N/A with Tin Plating



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