

(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 (TSW/SSW):

5.7 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

### Contact Resistance:

10 m $\Omega$

### Insertion Depth:

(3.68 mm) .145" to

(6.35 mm) .250"

### Insertion Force:

(Single contact only)

(-S plating)

Standard= 6 oz (1.67 N) avg

((0.64 mm) .025" SQ pin);

SSW Low Insertion Force=

3 oz (0.83 N) avg

SSQ Low Insertion Force=

3.3 oz (0.92 N) avg

### Normal Force:

Standard= 125 grams (4.4 N)

### Withdrawal Force:

(Single contact only)

(-S plating)

Standard= 5 oz (1.39 N) avg

((0.64 mm) .025" SQ pin);

SSW Low Insertion Force=

2.6 oz (0.72 N) avg

SSQ Low Insertion Force=

2.9 oz (0.81 N) avg

### Max Cycles:

100 with 10  $\mu$ " (0.25  $\mu$ m) Au

### Voltage Rating:

550 VAC mated with TSW

### RoHS Compliant:

Yes

## Mates With:

TSW, MTSW, MTLW,  
EW, ZW, TSS, ZSS,  
TSM, TSSH, HTSS



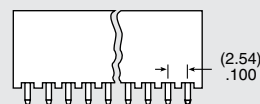
## TYPE STRIP

SSW = Solder Tail

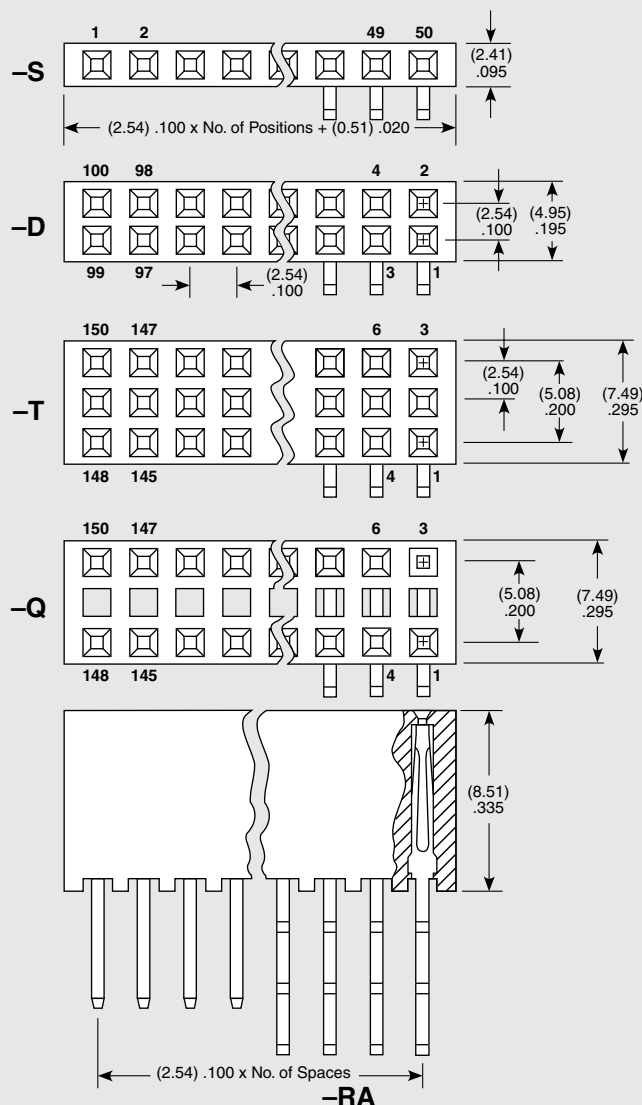
SSQ = Square Tail

## 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

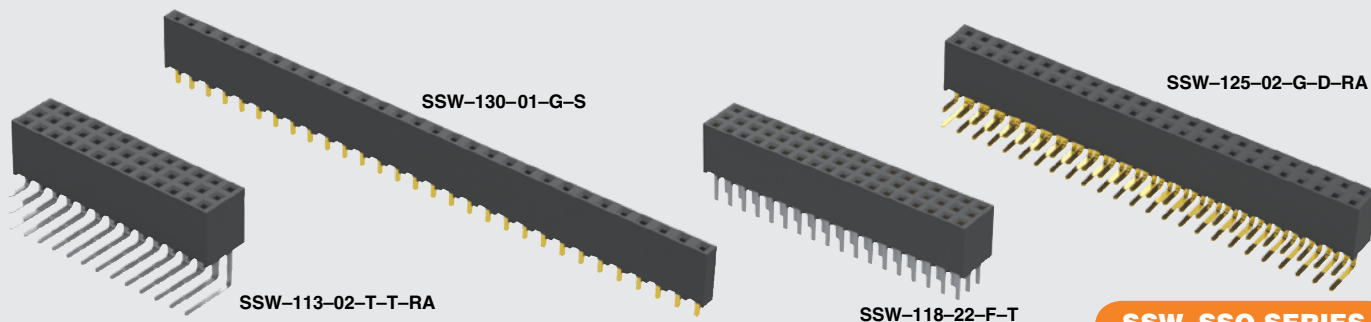
## RECOGNITIONS

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.



## 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  
(Notched to mate with LCW)  
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)

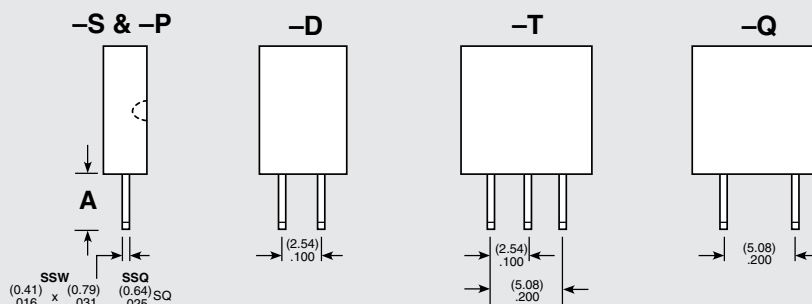
- Other platings
  - Notch option
- Contact Samtec.

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

LEAD STYLE		SINGLE 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**	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 (-S & -P) A	DOUBLE (-D) A	TRIPLE (-T & -Q) A
Standard Insertion Force	Low Insertion Force*			
-01	-22	(2.54) .100	(2.54) .100	(2.54) .100
-02	-23	(7.62) .300	(7.62) .300	N/A
-03	-24	(12.45) .490	N/A	N/A

\*LIF N/A with Tin Plating

