

(2,54mm) .100"

SSW, SSQ SERIES

# 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 50µ" (1.27µm) Ni

**Operating Temp Range:**

-55°C to +125°C with Gold  
-55°C to +105°C with Tin

**Contact Resistance:**

10 mΩ max

**Insertion Depth:**

(3,68mm) .145" to (6,35mm) .250"

**Insertion Force:**

(Single contact only)

(-S plating)

Standard= 6oz (1,67N) avg (0,64mm) .025" SQ pin);

SSW Low Insertion Force= 3oz (0,83N) avg

SSQ Low Insertion Force= 3.3oz (0,92N) avg

**Normal Force:**

Standard= 125grams (4.4N)

**Withdrawal Force:**

(Single contact only)

(-S plating)

Standard= 5oz (1,39N) avg (0,64mm) .025" SQ pin);

SSW Low Insertion Force= 2.6oz (0,72N) avg

SSQ Low Insertion Force= 2.9oz (0,81N) avg

**Max Cycles:**

100 with 10µ" (0,25µm) Au

**Voltage Rating:**

550 VAC mated with TSW

**RoHS Compliant:**

Yes: Single & Double Row

No: Triple Row

**Lead-Free Solderable:**

Yes



**Mates With:**  
TSW, MTSW, MTLW,  
LCW, EW, ZW, TSS,  
ZSS, TSM, TSSH, HTSS



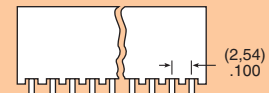
TYPE STRIP

SSW = Solder Tail

SSQ = Square Tail

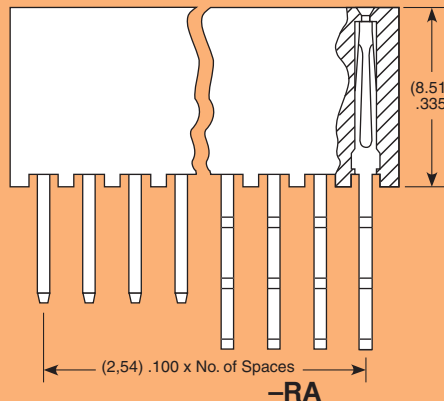
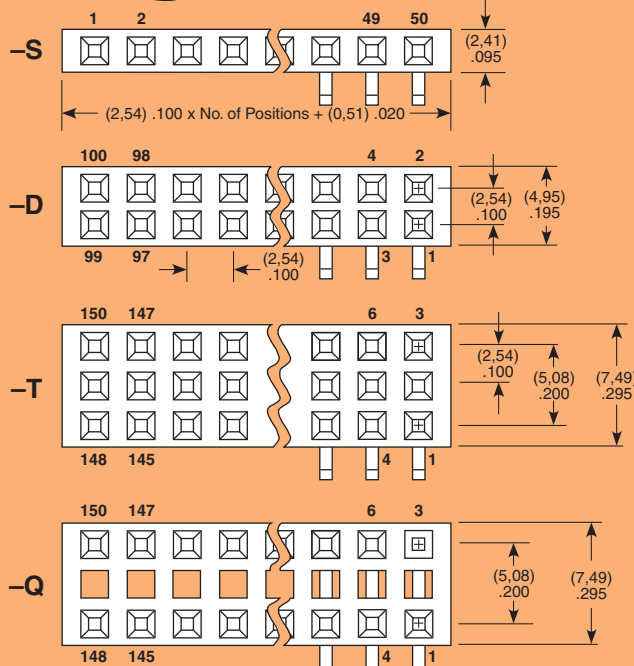
PIN CENTERS

-1 = (2,54mm) .100" Centers



NO. PINS PER ROW

01 thru 50



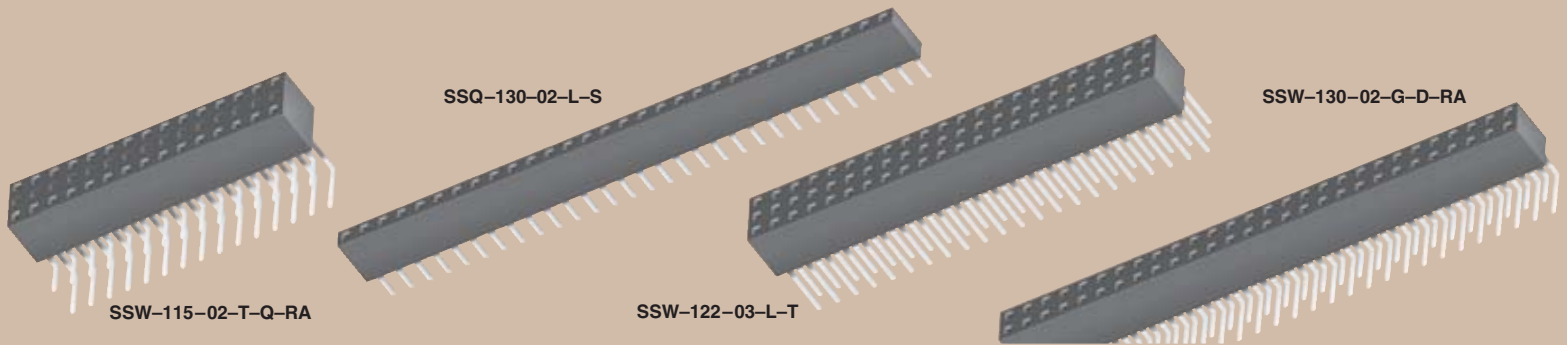
CURRENT RATING		
AMBIENT TEMP	TSW mated with SSQ	TSW mated with SSW
20°C	7.6A	6.9A
40°C	6.9A	6.1A
60°C	5.9A	5.3A
95°C	3.9A	3.5A

6 POSITIONS (2x3) POWERED

**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.

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### LEAD STYLE

### PLATING OPTION

### ROW OPTION

### TAIL OPTION

### OTHER OPTION

**-F**

= Gold flash on contact, Matte Tin on tail

**-L**

= 10 $\mu$ " (0,25 $\mu$ ) Gold on contact, Matte Tin on tail

**-G**

= 20 $\mu$ " (0,51 $\mu$ ) Gold on contact, Gold flash on tail

**-T**

= Matte Tin (-T N/A on LIF contacts)

**Note:** Other Gold plating options available. Contact Samtec.

**-S**

= Single Row

**-P**

= Single Row (Notched to mate with LCW) 36 pins max

**-D**

= Double Row

**-T**

= Triple Row

**-Q**

= Double Row .200" (5,08mm) row space (Outer rows filled only)

**-RA**

= Right Angle (Leave blank for straight pin version)

**-N**

= Notch (5, 7, 8, 10, 12, 13, 15, 17, 20, 25, 32 & 36 positions only) (-D & SSW only) (Mates to TSS, ZSS and HTSS only)

**-LL**

= Locking Lead

Two leads per strip crimped in opposite directions on or near centerline. Available on tails from (2,29mm) .090" to (7,87mm) .310" only. N/A with single row 1 or 2 positions.

**-“XXX”**

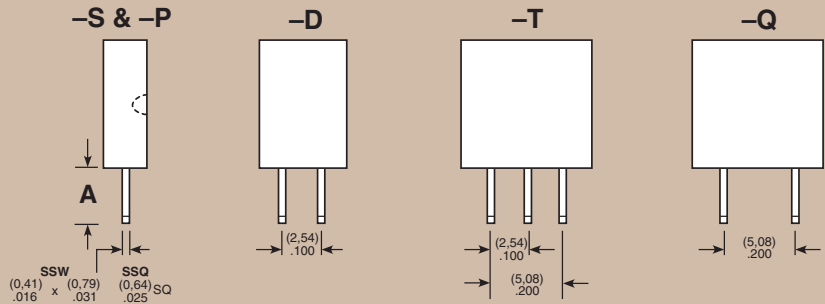
= Polarized (Specify “XXX” as position number)

## 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

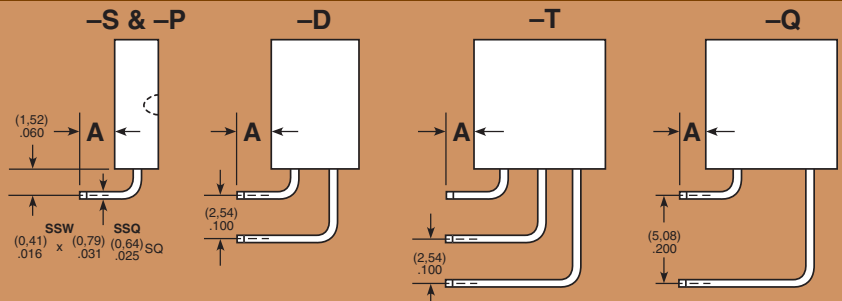
\*\*Style -06 N/A with SSW



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

LEAD STYLE		SINGLE	DOUBLE	TRIPLE
Standard Insertion Force	Low Insertion Force*	(-S & -P) 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	N/A
-04	-24	(12,45) .490	N/A	N/A

\*LIF N/A with Tin Plating



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