

(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



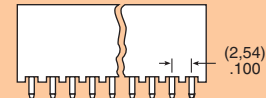
### TYPE STRIP

SSW = Solder Tail

SSQ = Square Tail

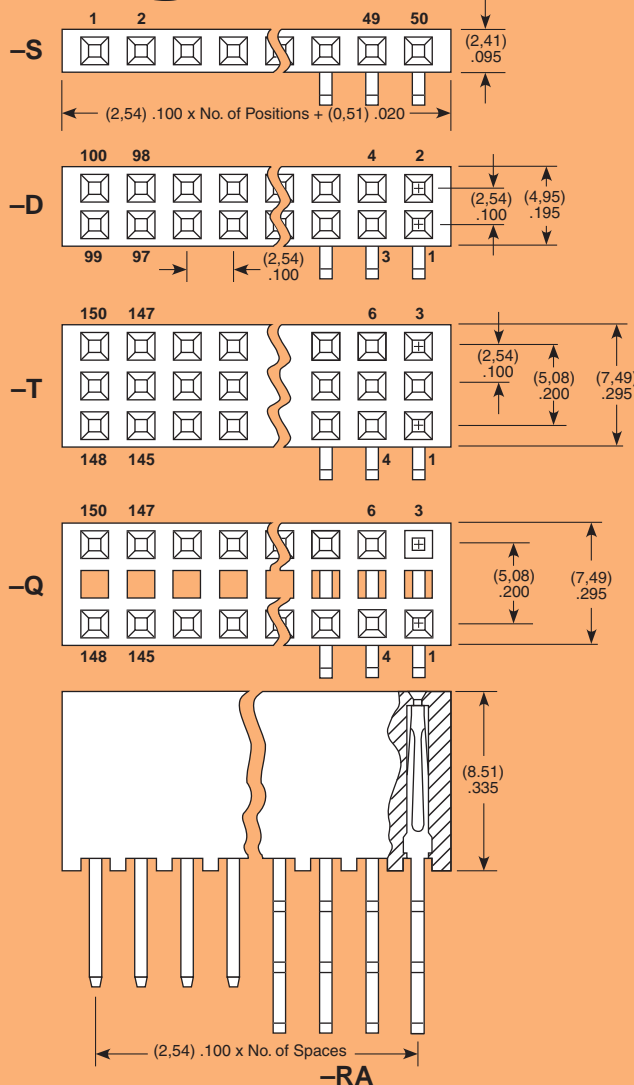
### PIN CENTERS

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



### NO. PINS PER ROW

01  
thru  
50

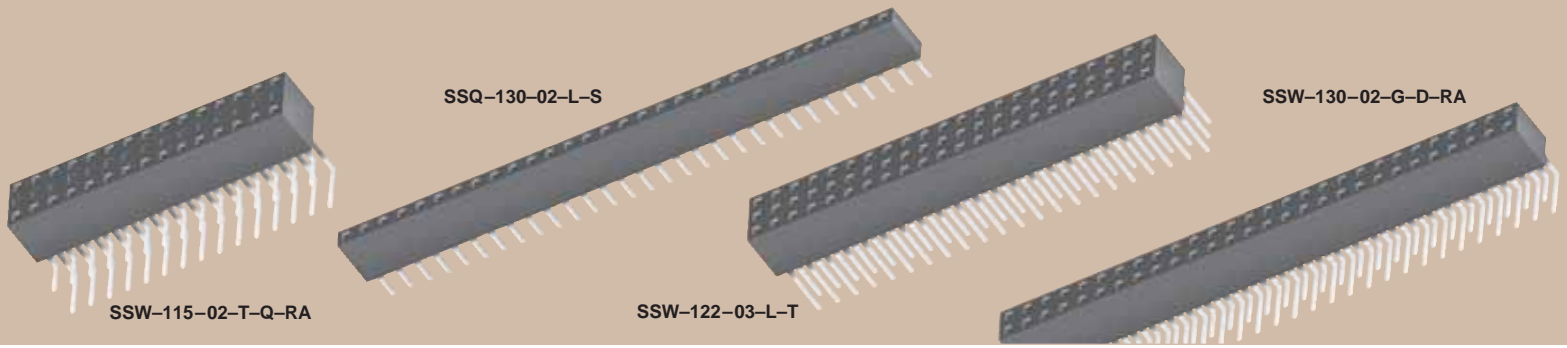


CURRENT RATING		
AMBIENT TEMP	TSW mated with SSQ	TSW mated with SSW
20°C	7.6A	6.9A
40°C	6.9A	6.1A
60°C	5.9A	5.3A
95°C	3.9A	3.5A
6 POSITIONS (2x3) POWERED		

**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**

= 10µ" (0,25µm) Gold on contact,  
Matte Tin on tail

**-G**

= 20µ" (0,51µm) 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**

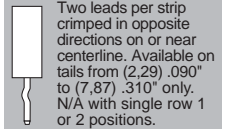
= Double Row  
.200" (5,08mm) row space  
(Outer rows filled only)

**-RA**

= Right Angle  
(Leave blank for straight pin version)

**-LL**

= Locking Lead



**-"XXX"**

= Polarized  
(Specify "XXX" as position number)

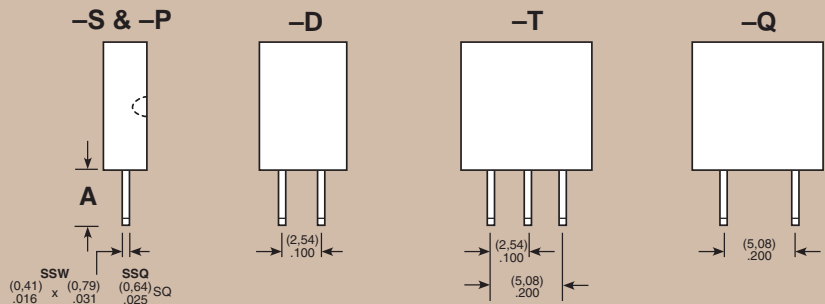
Note: Other Gold plating options available. Contact Samtec.

## 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

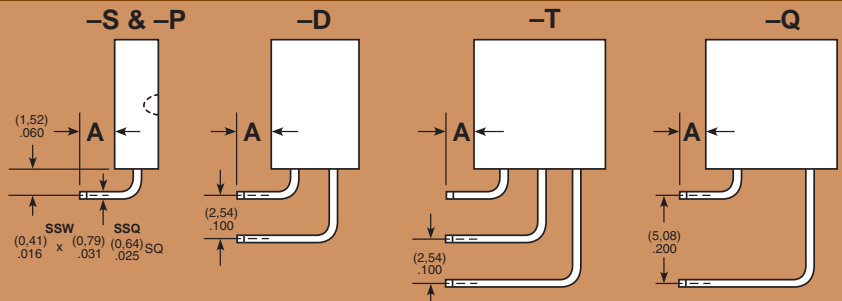
\*\*Style -06 N/A with SSQ



## Right Angle Versions (Specify "LEAD STYLE" from chart)

LEAD STYLE		SINGLE	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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