

SSQ-115-04-S-T



# SOCKET STRIP SSW & SSQ SERIES

## 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

CURRENT RATING	
AMBIENT TEMPERATURE	SSW mated with TSW
20°C	5.5A
40°C	5A
60°C	4A
80°C	3A

**Processing:**

Lead-Free Solderable:

Yes

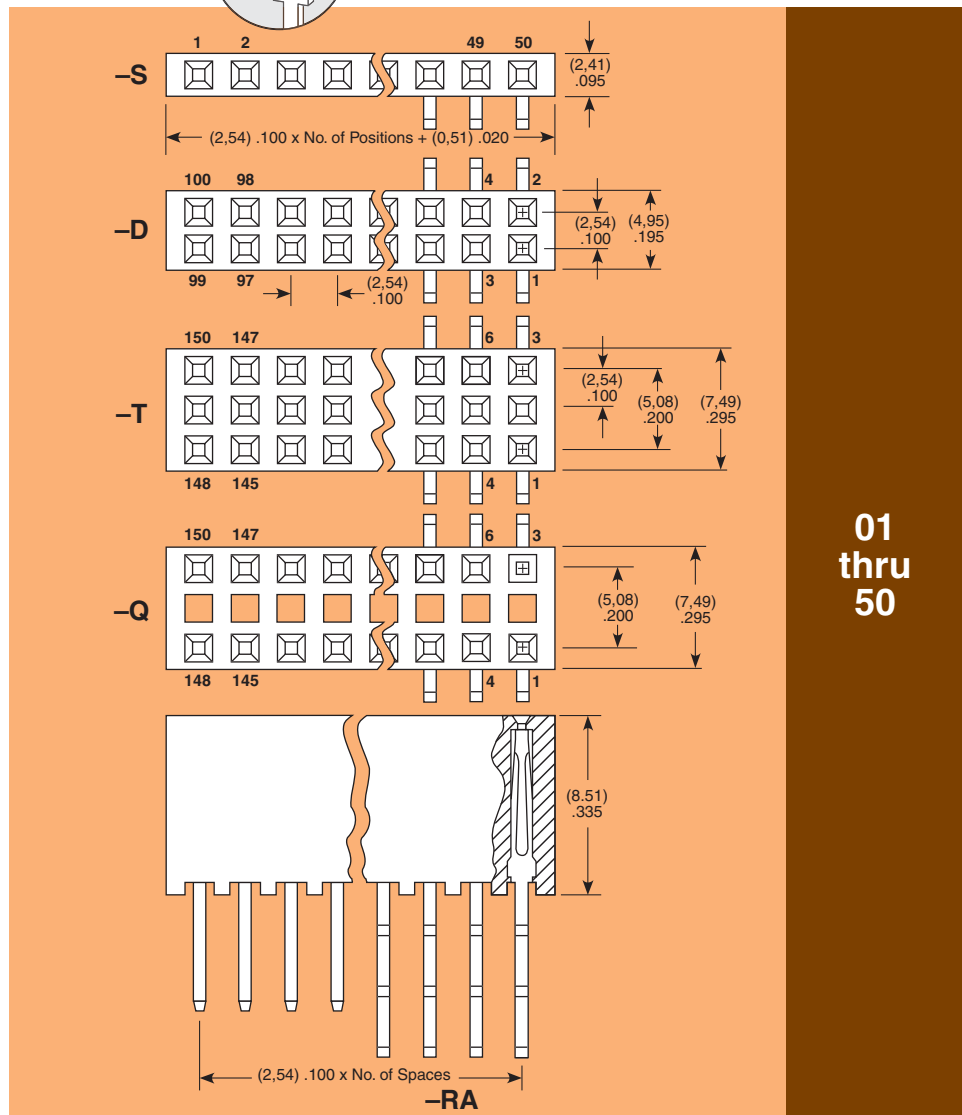
**Note:**

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

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

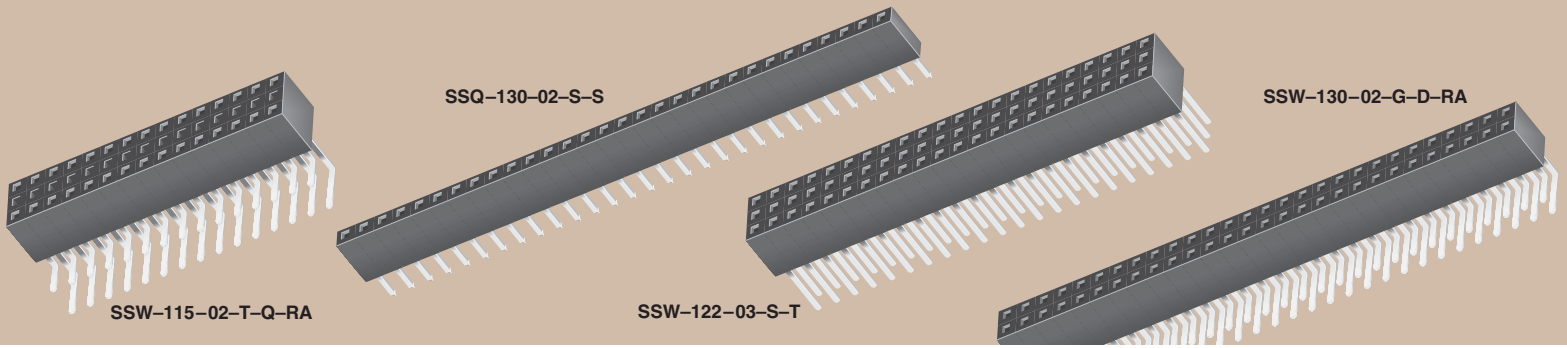


<b>TYPE STRIP</b>	<b>PIN CENTERS</b>	<b>NO. PINS PER ROW</b>
<b>SSW = Solder Tail</b>	<b>-1 = (2,54mm) .100" Centers</b>	
<b>SSQ = Square Tail</b>		



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### LEAD STYLE

### PLATING OPTION

### ROW OPTION

### TAIL OPTION

### OTHER OPTION

**-F**

= Gold flash 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**

= 30 $\mu$ " (0,76 $\mu$ m) Gold on contact,  
Matte Tin on tail

**-S**

= Single Row

**-P**

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

**-D**

= Double Row

**-T**

= Triple Row

**-Q**

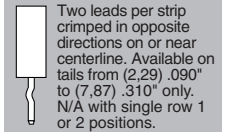
= Double Row  
.200" (5,08mm) row space  
(Outer rows filled only)

**-RA**

= Right Angle  
(Leave blank  
for straight pin  
version)

**-LL**

= Locking Lead



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

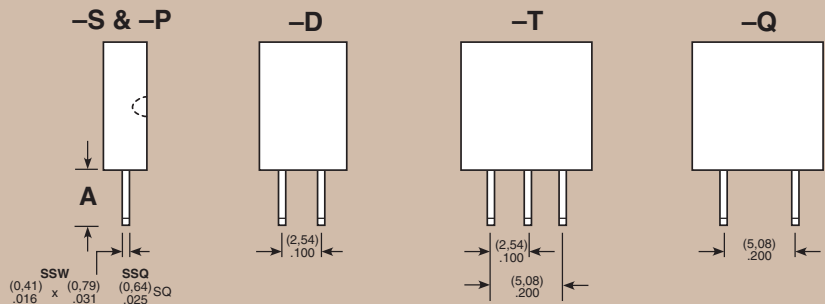
**-“XXX”**  
= Polarized  
(Specify “XXX” as  
position number)

## 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	(3,00) .118

\* LIF N/A with Tin Plating

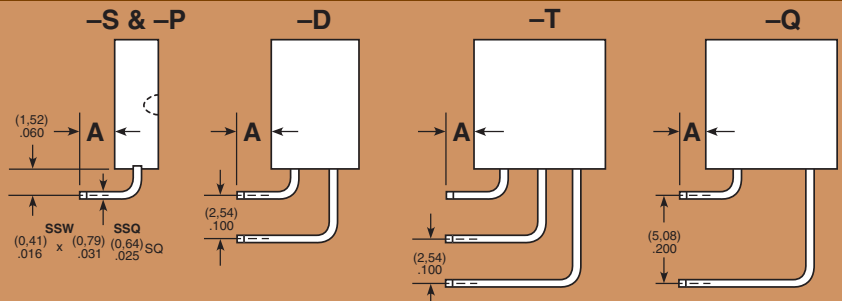
\*\*Style -06 N/A with SSQ



## 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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