

(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 μm (1.27 μm) Ni

**Current Rating (SSW/TSM):**  
4.7 A per pin (2 pins powered)

**Current Rating (SSQ/TSW):**  
6.3 A per pin (2 pins powered)

**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 μm (0.25 μm) Au

**Voltage Rating:**  
465 VAC / 655 VDC

**RoHS Compliant:**  
Yes

## 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.

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



TYPE STRIP

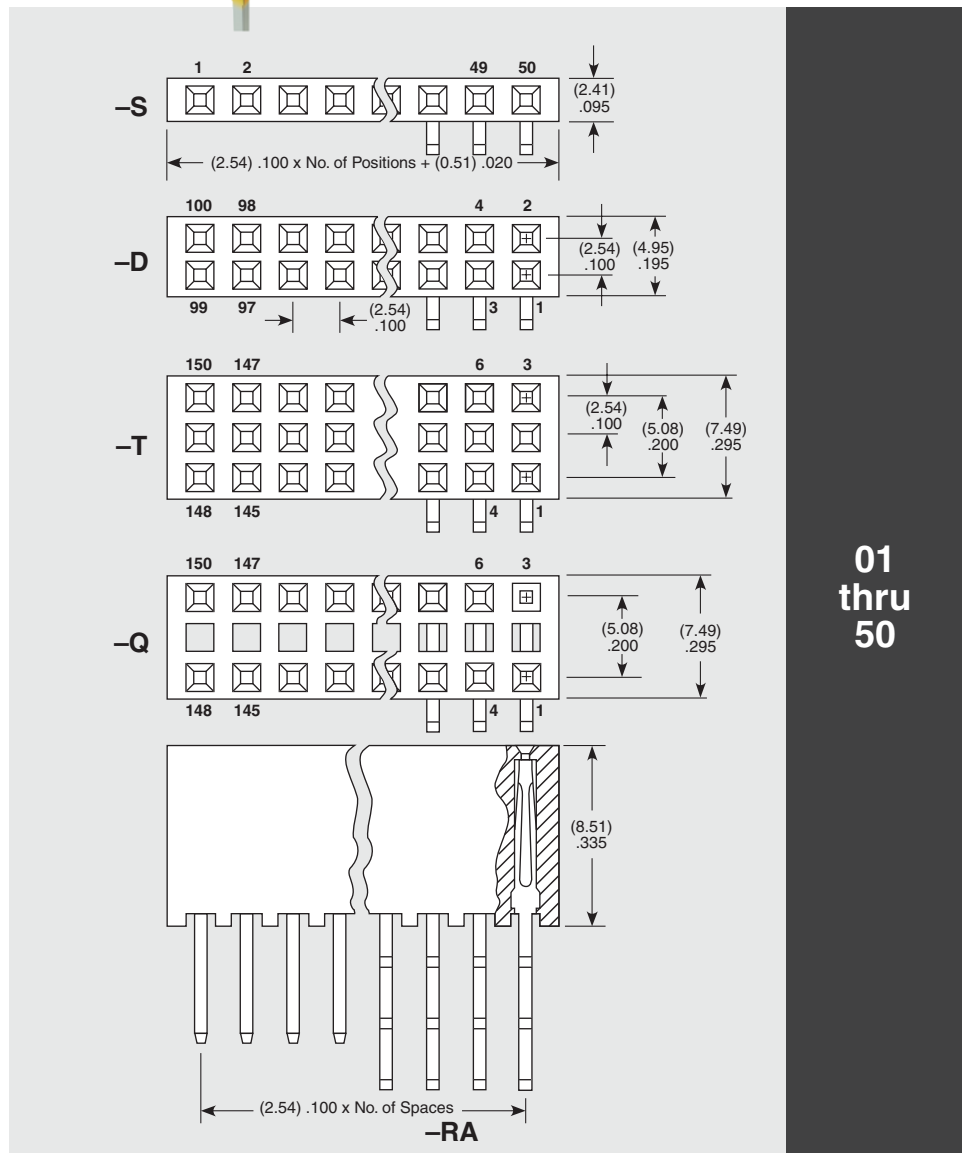
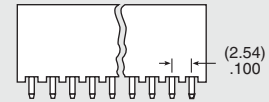
PIN CENTERS

NO. PINS PER ROW

SSW = Solder Tail

-1 = (2.54 mm) .100" Centers

SSQ = Square Tail



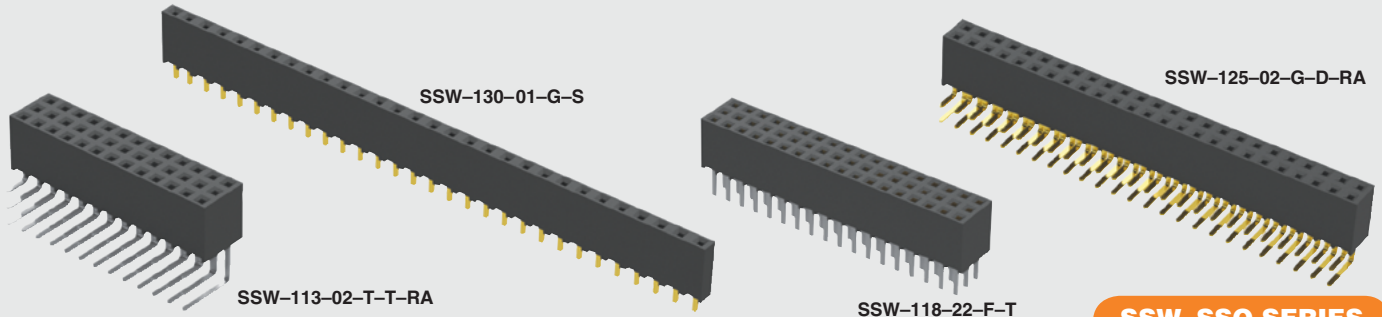
01 thru 50

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 μ" (0.25 μm) Gold on contact, Matte Tin on tail

**-G**  
= 20 μ" (0.51 μm) 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)

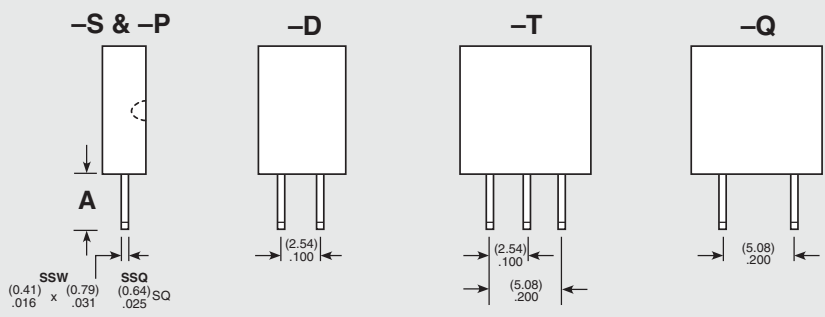
**ALSO AVAILABLE (MOQ Required)**

- Other platings
- Notch option

**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**	Not Available	(3.15) .124

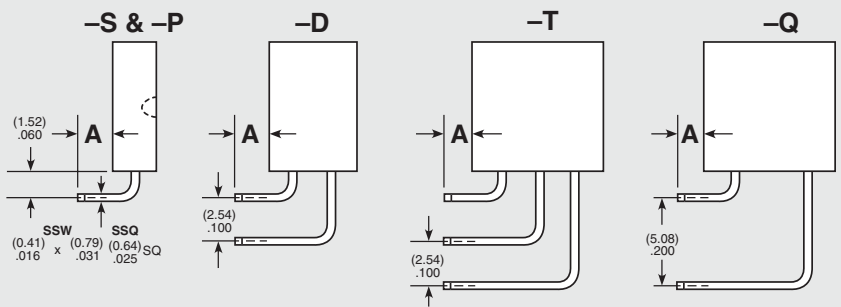
\* LIF not available with Tin Plating  
\*\*Style -06 Not available with SSQ



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

LEAD STYLE		SINGLE	DOUBLE	TRIPLE
Standard Insertion Force	Low Insertion Force*	(-S) 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	Not Available
-04	-24	(12.45) .490	Not Available	Not Available

\*LIF not available with Tin Plating



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