

SSQ-115-04-S-T



SOCKET STRIP SSW & SSQ SERIES

SPECIFICATIONS

For complete specifications see www.samtec.com?SSW or 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

Processing: Lead-Free Solderable: Yes

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

Current Rating:

AMBIENT TEMPERATURE **SSW mated with TSW**

20°C 5.5A

40°C 5A

60°C 4A

80°C 3A

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



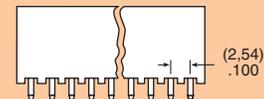
TYPE STRIP

SSW = Solder Tail

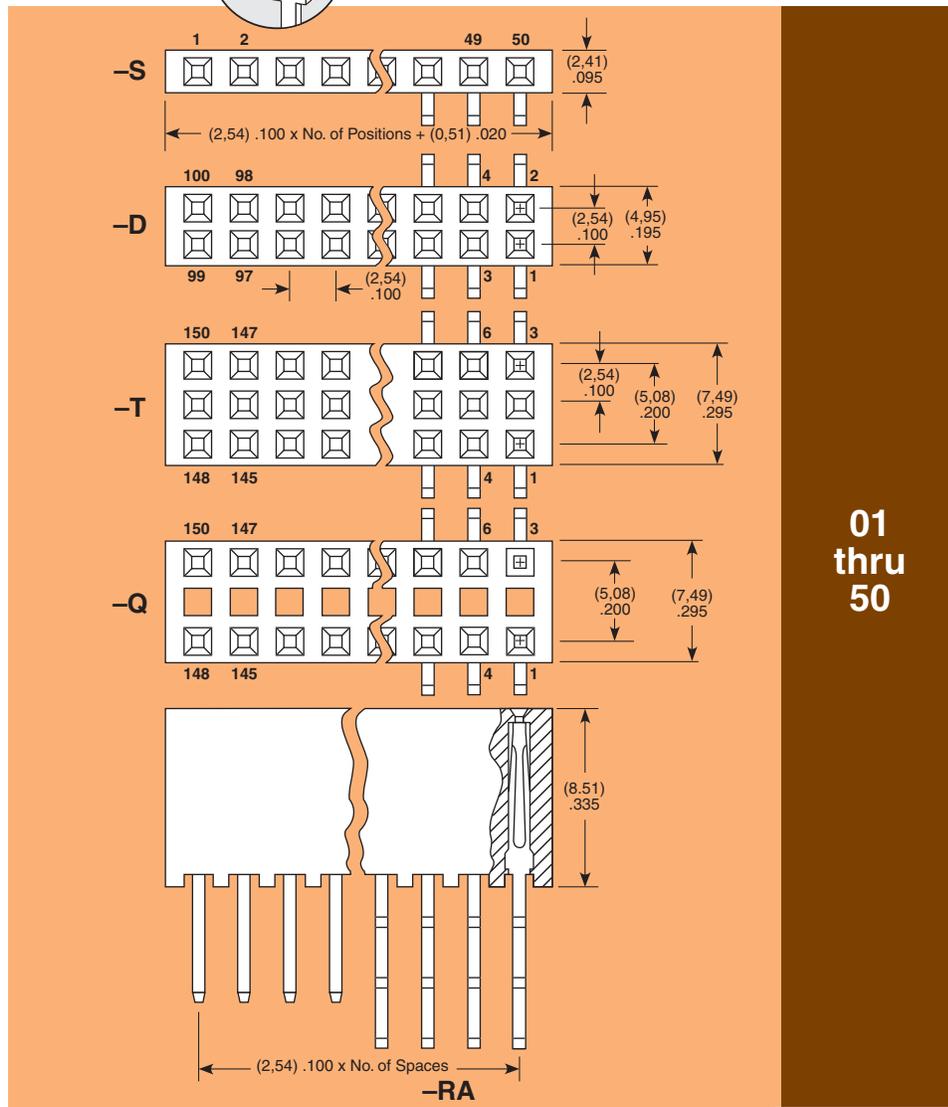
SSQ = Square Tail

PIN CENTERS

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

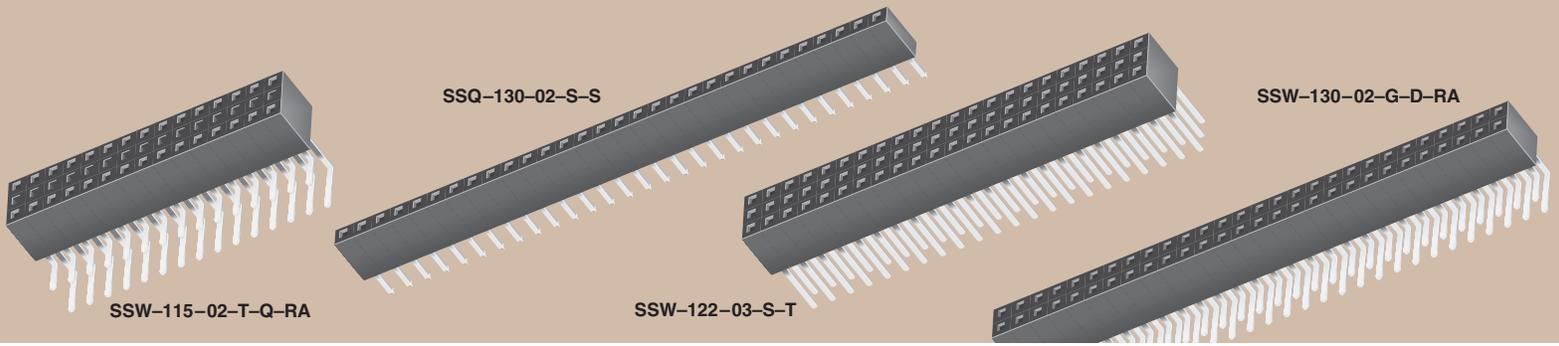


NO. PINS PER ROW



01 thru 50

Due to technical progress, all designs, specifications and components are subject to change without notice.



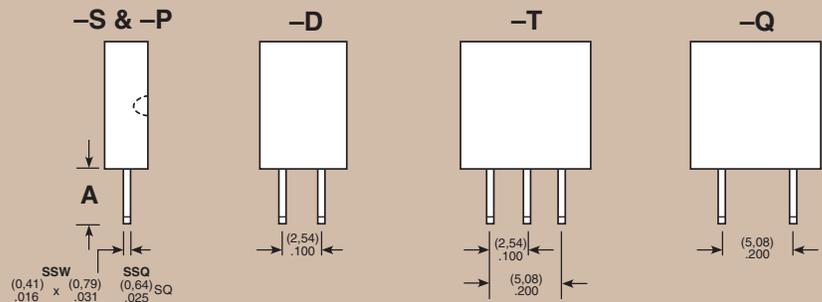
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LEAD STYLE	PLATING OPTION	ROW OPTION	TAIL OPTION	OTHER OPTION
	<p>-F = Gold flash on contact, Matte Tin on tail</p> <p>-G = 20µ" (0,51µm) Gold on contact, Gold flash on tail</p> <p>-T = Matte Tin (-T N/A on LIF contacts)</p> <p>-S = 30µ" (0,76µm) Gold on contact, Matte Tin on tail</p>	<p>-S = Single Row</p> <p>-P = Single Row (Notched to mate with LCW) 36 pins max</p> <p>-D = Double Row</p> <p>-T = Triple Row</p> <p>-Q = Double Row .200" (5,08mm) row space (Outer rows filled only)</p>	<p>-RA = Right Angle (Leave blank for straight pin version)</p>	<p>-LL = Locking Lead</p> <p>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.</p> <p>-“XXX” = Polarized (Specify “XXX” as position number)</p>

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

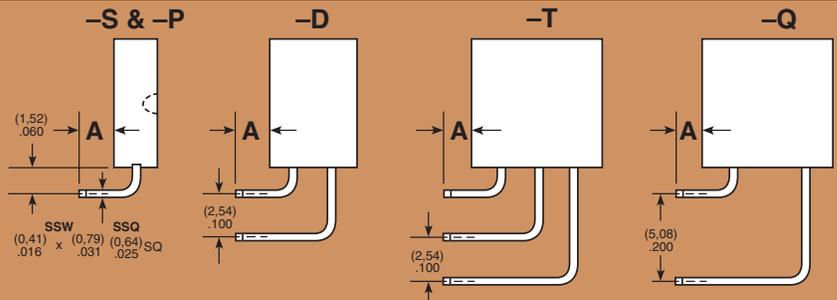
* LIF N/A with Tin Plating
**Style -06 N/A with SSQ



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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