

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

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

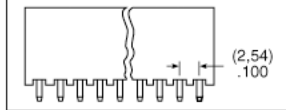
TYPE STRIP

SSW = Solder Tail

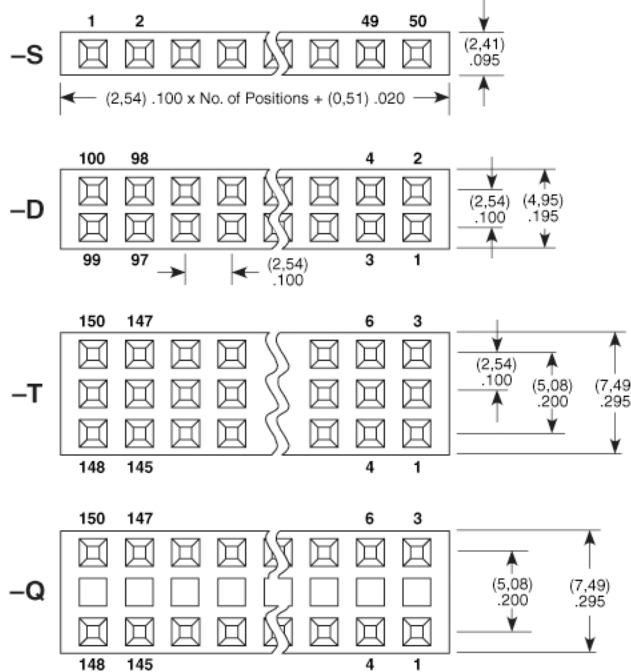
SSQ = Square Tail

PIN CENTERS

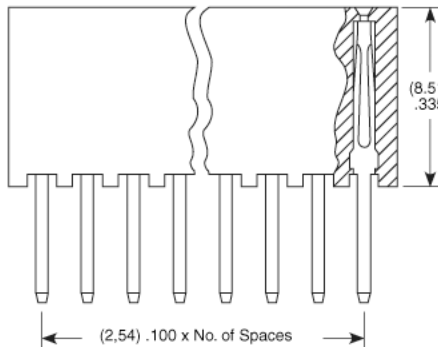
-1 = (2,54mm) .100" Centers



NO. PINS PER ROW

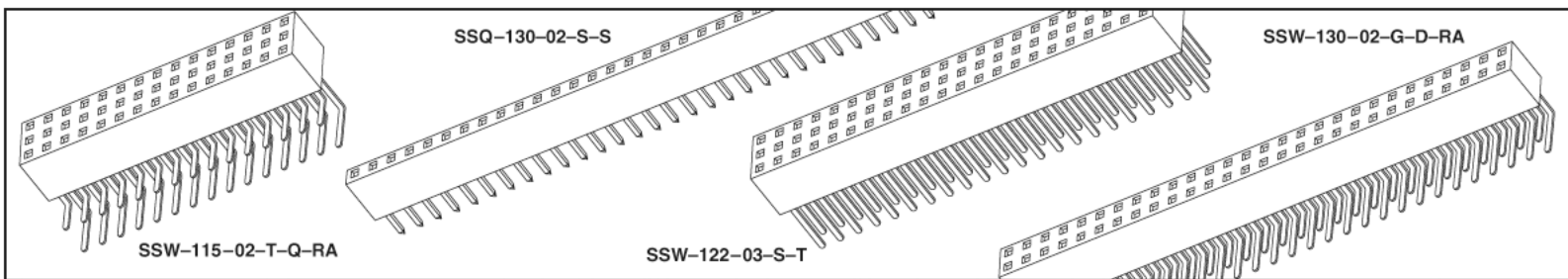


01 thru 50



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

-F
= Gold flash 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
= 30µ" (0,76µm) 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)

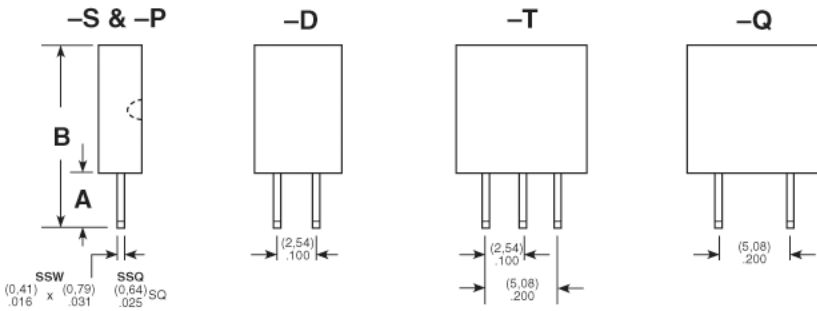
-LL
= Locking Lead
Two leads per strip crimped in opposite directions on or near centerline. Available on tails from (2,29) .090" to (7,87) .310" only. N/A with single row 1 or 2 positions.

-"XXX"
= Polarized (Specify "XXX" as position number)

Straight Pin Versions (Specify "LEAD STYLE" from chart)

LEAD STYLE		SINGLE DOUBLE OR TRIPLE	
Standard Insertion Force	Low Insertion Force*	A	B
-01	-21	(2,64) .104	(11,05) .435
-02	-22	(4,93) .194	(13,34) .525
-03	-23	(10,00) .394	(18,42) .725
-04	-24	(14,83) .584	(23,24) .915
-06**	N/A	(3,00) .118	(11,50) .453

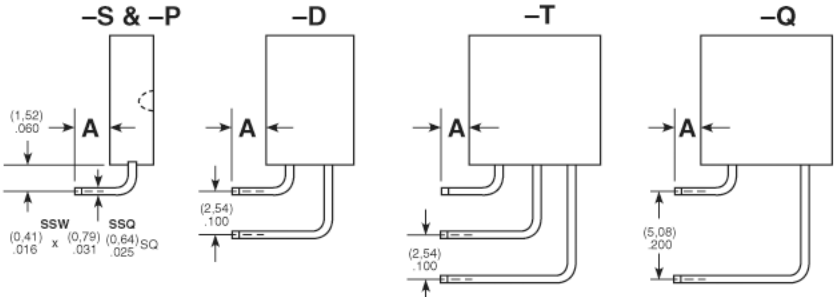
* LIF N/A with Tin Plating
**Style -06 N/A with SSQ



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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