

(2,54 mm) .100"

SSW, SSQ SERIES

THROUGH-HOLE .025" SQ POST SOCKET

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" (1,27 µm) 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: (3,68 mm) .145" to (6,35 mm) .250"

Insertion Force: (Single contact only) (-S plating)

Standard= 6 oz (1,67 N) avg (0,64 mm) .025" SQ pin);

SSW Low Insertion Force= 3 oz (0,83 N) avg

SSQ Low Insertion Force= 3.3 oz (0,92 N) avg

Normal Force: Standard= 125 grams (4.4 N)

Withdrawal Force: (Single contact only) (-S plating)

Standard= 5 oz (1,39 N) avg (0,64 mm) .025" SQ pin);

SSW Low Insertion Force= 2.6 oz (0,72 N) avg

SSQ Low Insertion Force= 2.9 oz (0,81 N) avg

Max Cycles: 100 with 10µ" (0,25 µm) Au

Voltage Rating: 550 VAC mated with TSW

RoHS Compliant: Yes

Lead-Free Solderable: Yes

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



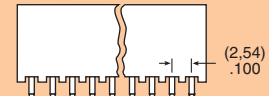
TYPE STRIP

SSW = Solder Tail

SSQ = Square Tail

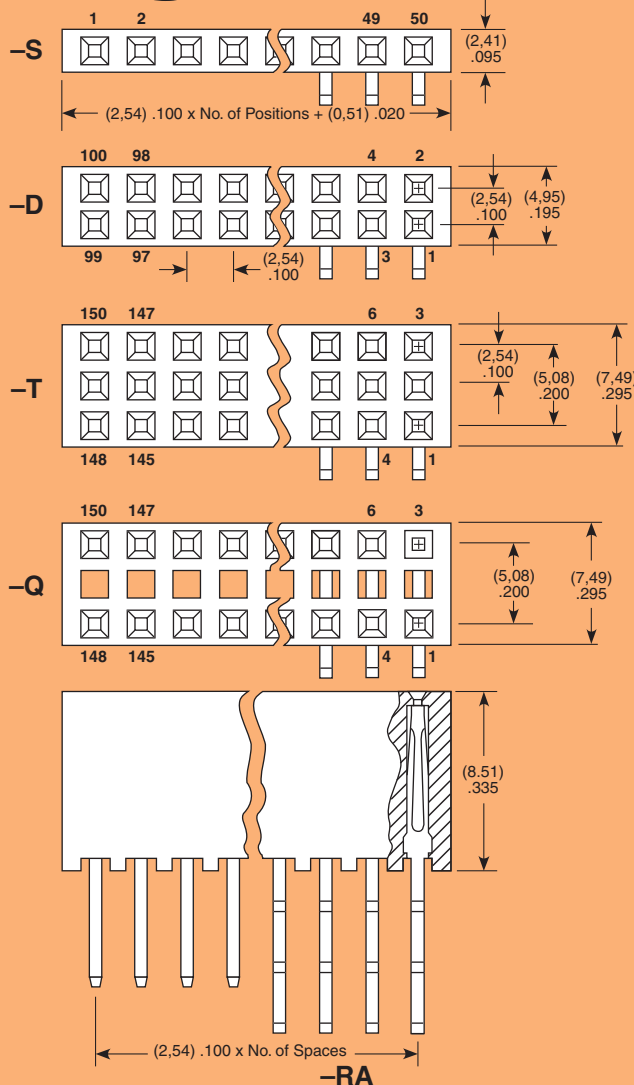
PIN CENTERS

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



NO. PINS PER ROW

01 thru 50

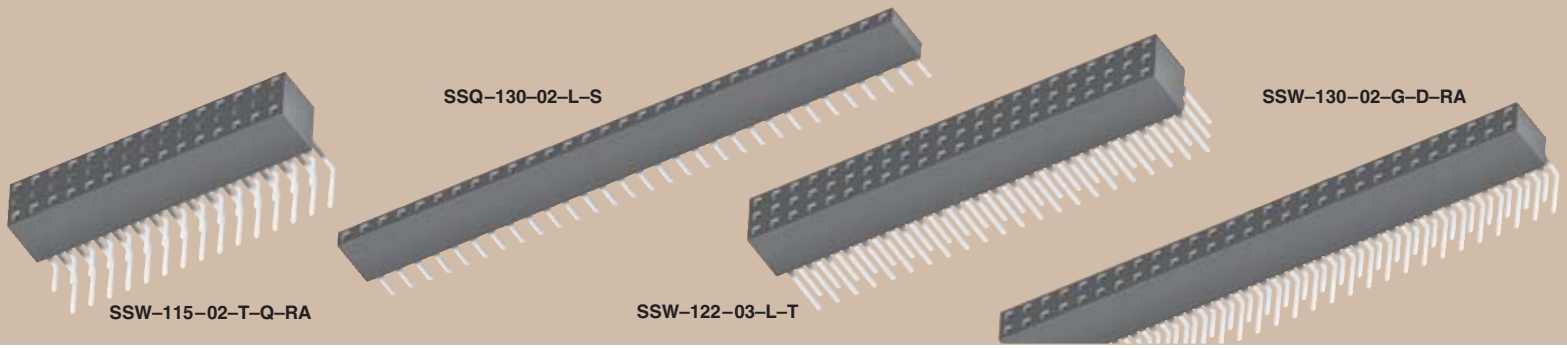


CURRENT RATING (PER CONTACT)		
AMBIENT TEMP	TSW mated with SSQ	TSW mated with SSW
20°C	7.6A	6.9A
40°C	6.9A	6.1A
60°C	5.9A	5.3A
95°C	3.9A	3.5A
6 POSITIONS (2x3) POWERED		

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.

WWW.SAMTEC.COM



SSW-115-02-T-Q-RA

SSQ-130-02-L-S

SSW-122-03-L-T

SSW-130-02-G-D-RA

LEAD STYLE

PLATING OPTION

ROW OPTION

TAIL OPTION

OTHER OPTION

-F

= Gold flash on contact, Matte Tin on tail

-L

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

-G

= 20µ" (0,51 µm) Gold on contact, Gold flash on tail

-T

= Matte Tin (-T N/A on LIF contacts)

Note: Other Gold plating options available. Contact Samtec.

-S

= Single Row

-P

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

-D

= Double Row

-T

= Triple Row

-Q

= Double Row .200" (5,08 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)

APPLICATION SPECIFIC OPTION

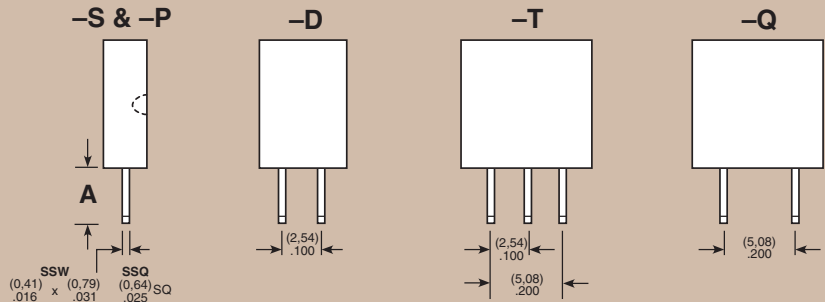
Notch available. Call Samtec.

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

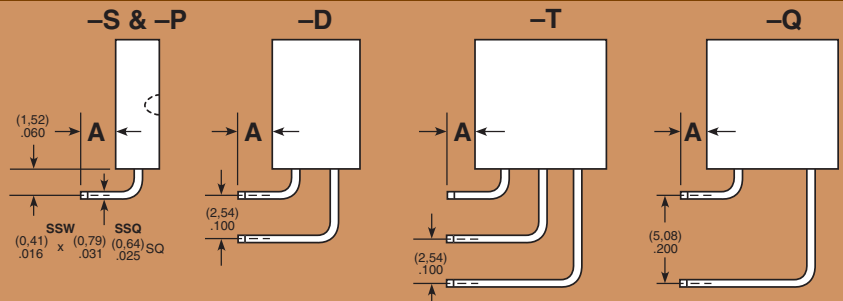
**Style -06 N/A with SSW



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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