

(2,54 mm) .100"
SSW, SSQ SERIES

THROUGH-HOLE .025" SQ POST SOCKET

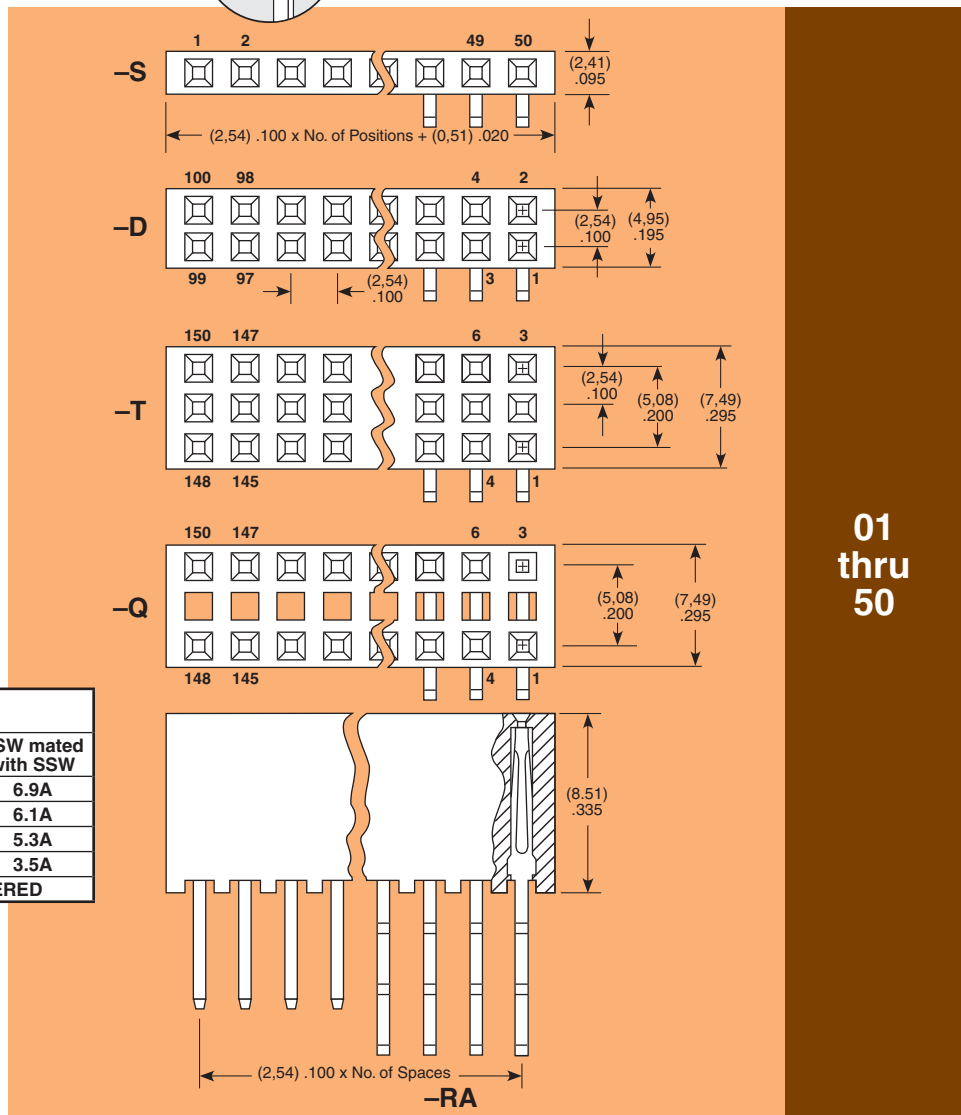
SPECIFICATIONS
 For complete specifications see www.samtec.com?SSW or www.samtec.com?SSQ

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



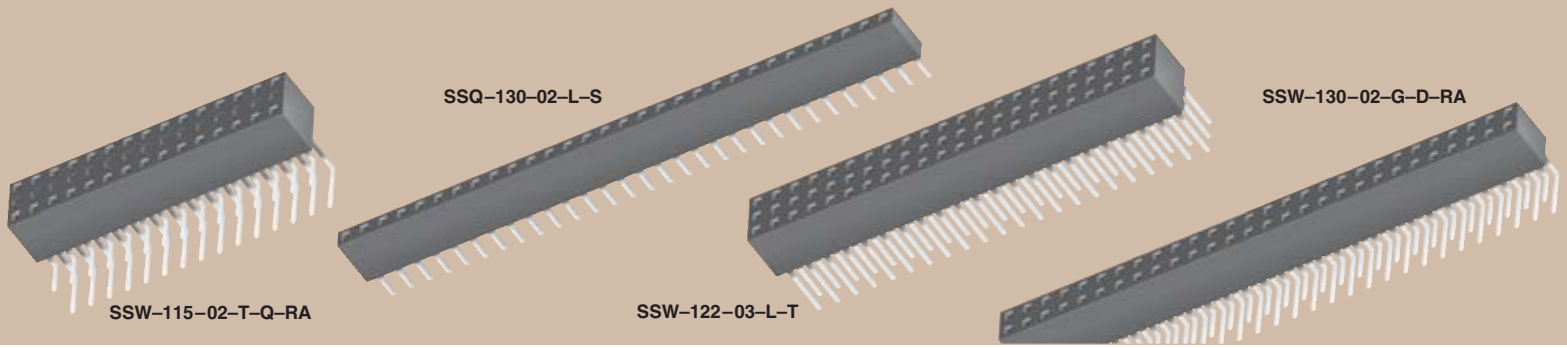
01 thru 50

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.

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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

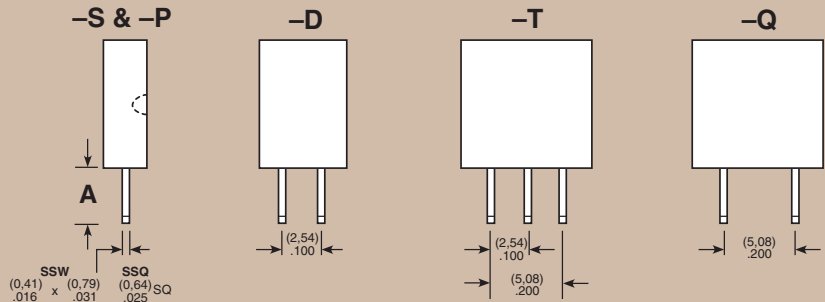
Notch available. Call Samtec.

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

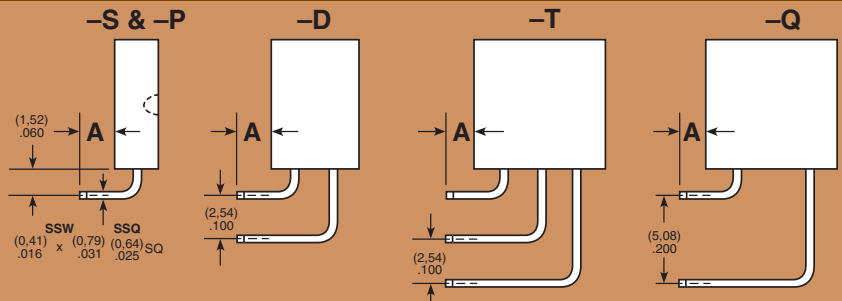
**Style -06 N/A with SSW



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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