

SSW-125-01-G-S

SSQ-116-03-L-T

(2.54 mm) .100"

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 50 μm (1.27 μm) Ni

Current Rating (TSW/SSW):

5.7 A per pin

(1 pin powered per row)

Current Rating (SSQ/TSW):

6.3 A per pin

(1 pin powered per row)

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 10 μm (0.25 μm) Au

Voltage Rating:

550 VAC mated with TSW

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



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

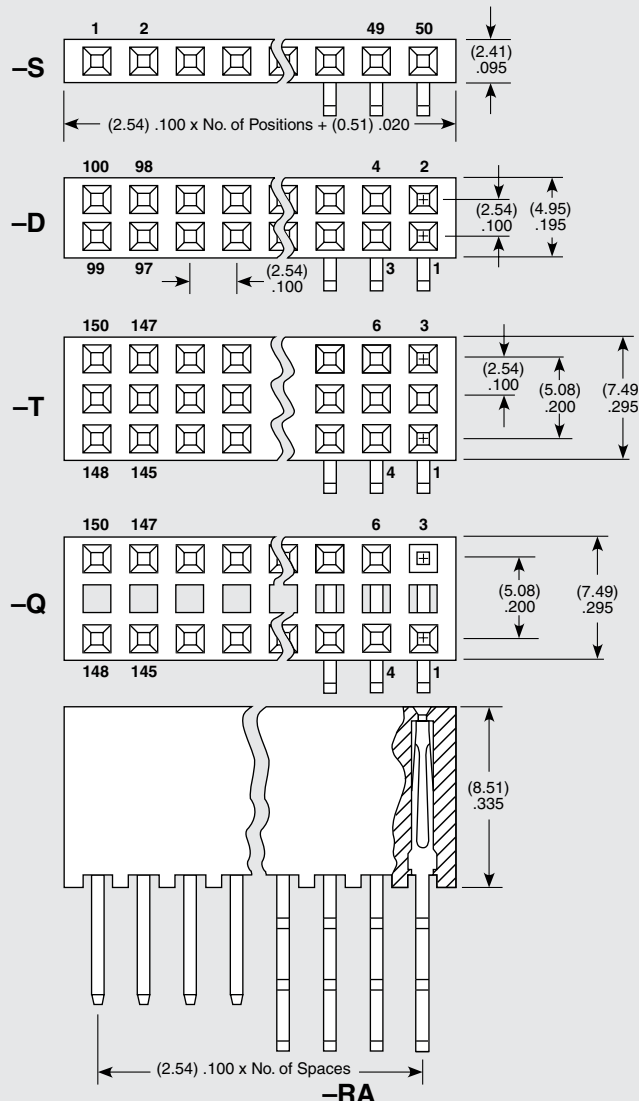
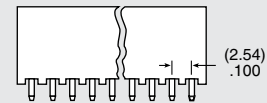
PIN CENTERS

NO. PINS PER ROW

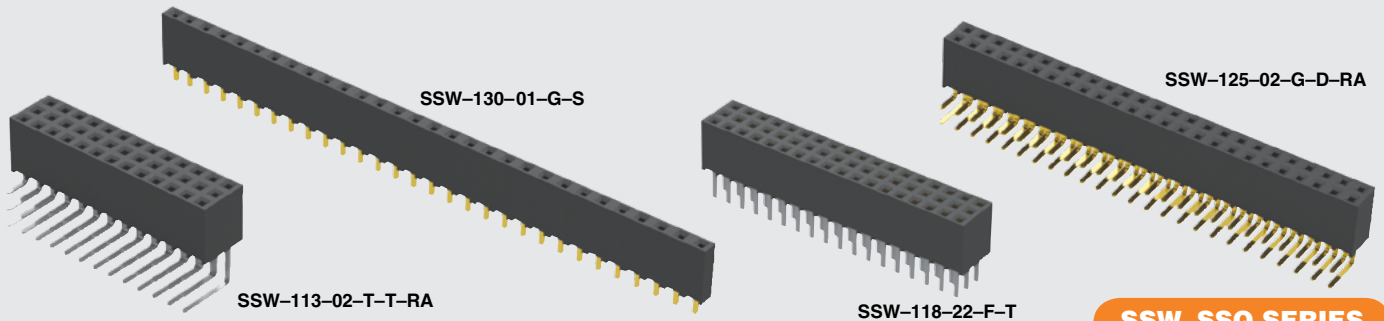
SSW = Solder Tail

SSQ = Square Tail

-1 = (2.54 mm) .100" Centers



01 thru 50



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 μ m) Gold on contact,
Matte Tin on tail

-G
= 20 μ " (0.51 μ m) Gold on contact,
Gold flash on tail

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

-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)

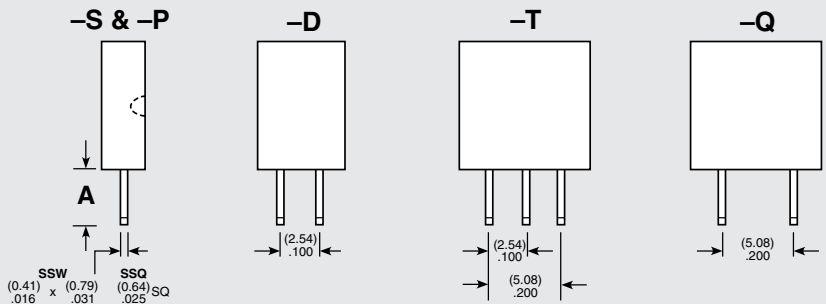
ALSO AVAILABLE (MOQ Required)

- Other platings
 - Notch option
- Contact 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 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
-01	-22	(2.54) .100	(2.54) .100	(2.54) .100
-02	-23	(7.62) .300	(7.62) .300	N/A
-03	-24	(12.45) .490	N/A	N/A

*LIF N/A with Tin Plating

