

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

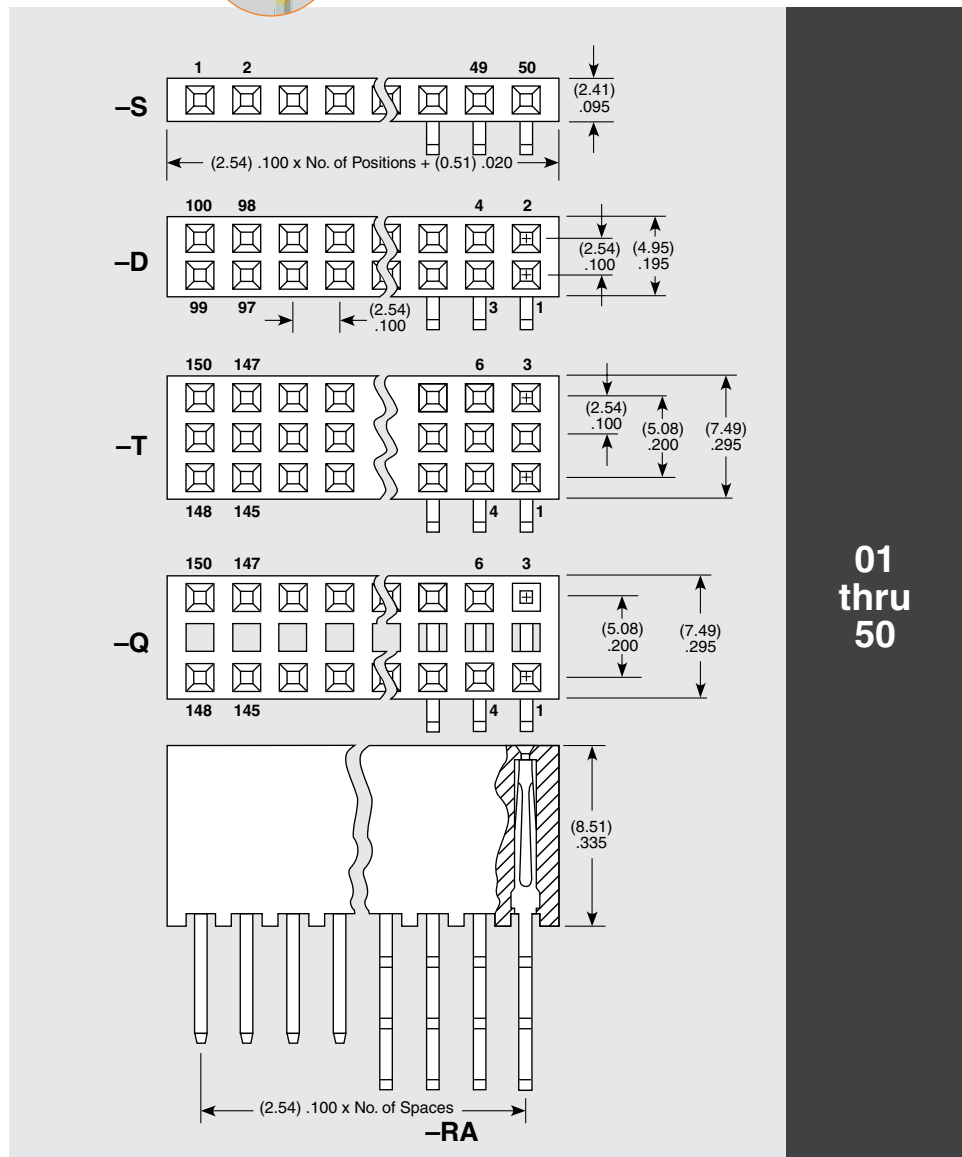
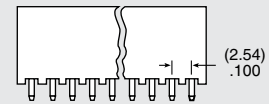
PIN CENTERS

NO. PINS PER ROW

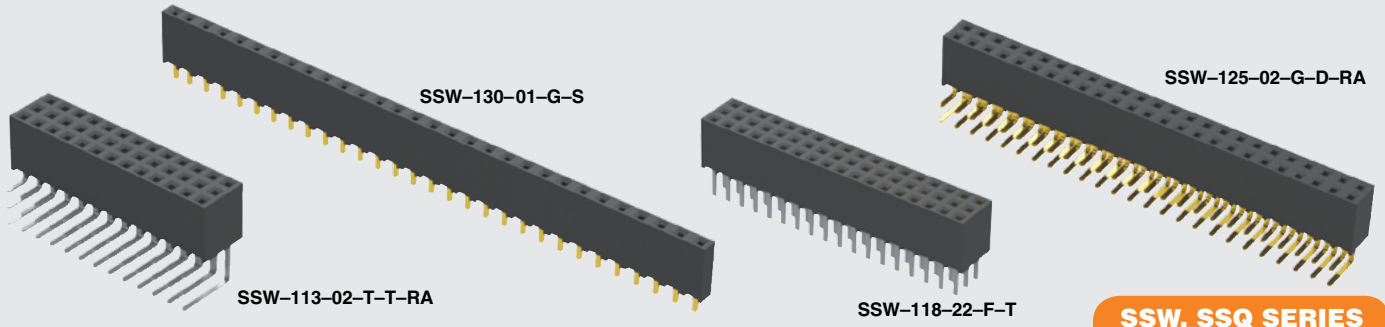
SSW = Solder Tail

-1 = (2.54 mm) .100" Centers

SSQ = Square Tail



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 μm) Gold on contact, Matte Tin on tail
- G**
= 20 μ" (0.51 μm) 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)

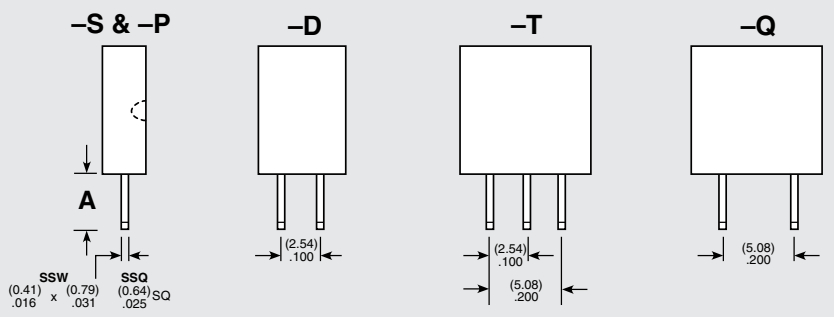
- Other platings
- Notch option

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

