

(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 (SSW/TSM):

4.7 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

Insertion Depth:

(3.68 mm) .145" to (6.35 mm) .250"

Normal Force:

Standard= 125 grams (4.4 N)

Max Cycles:

100 with 10 μm (0.25 μm) Au

Voltage Rating:

465 VAC / 655 VDC

RoHS Compliant:

Yes

Mates With:

TSW, MTSW, MTLW, EW, ZW, TSS, ZSS, TSM, TSSH, HTSS



TYPE STRIP

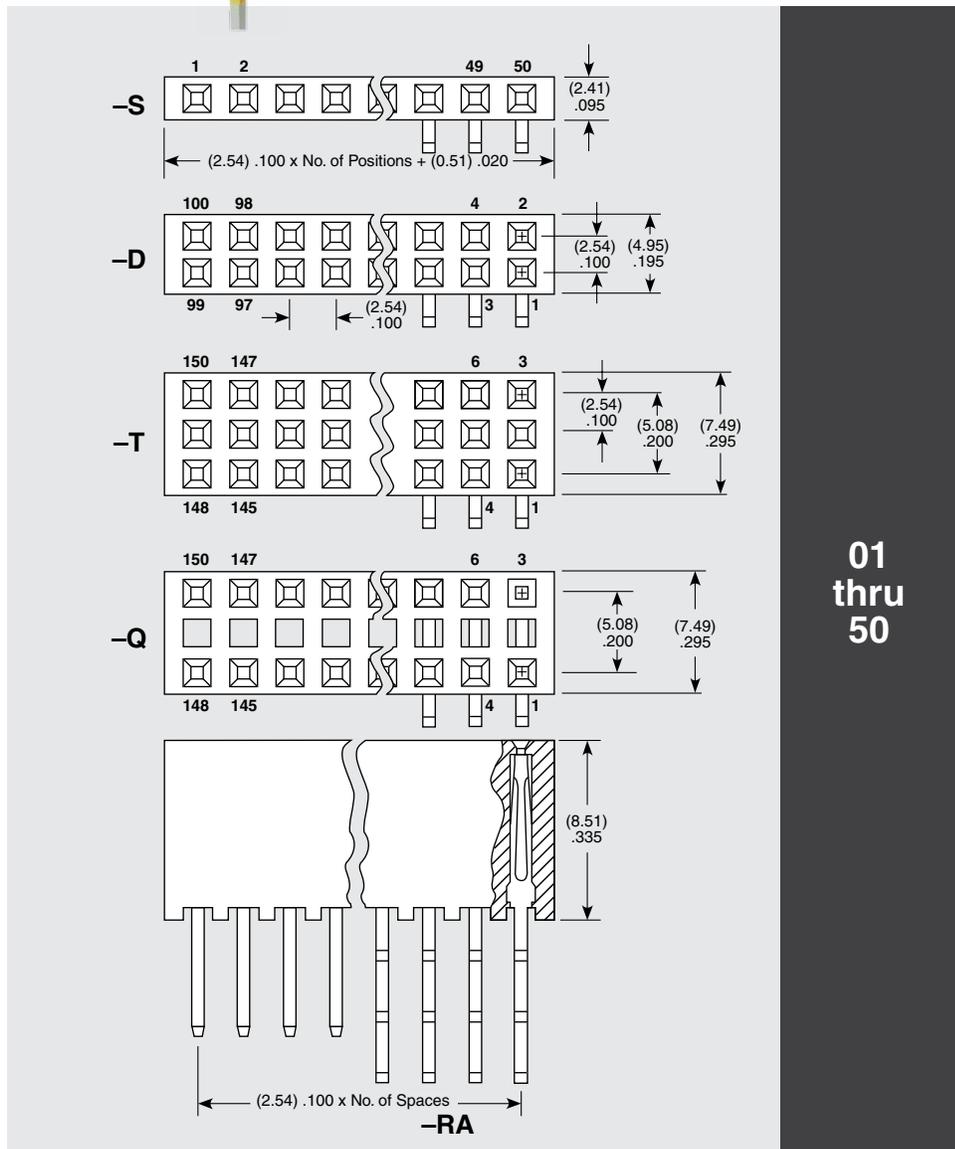
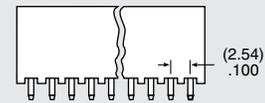
PIN CENTERS

NO. PINS PER ROW

SSW = Solder Tail

-1 = (2.54 mm) .100" Centers

SSQ = Square Tail



01 thru 50

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

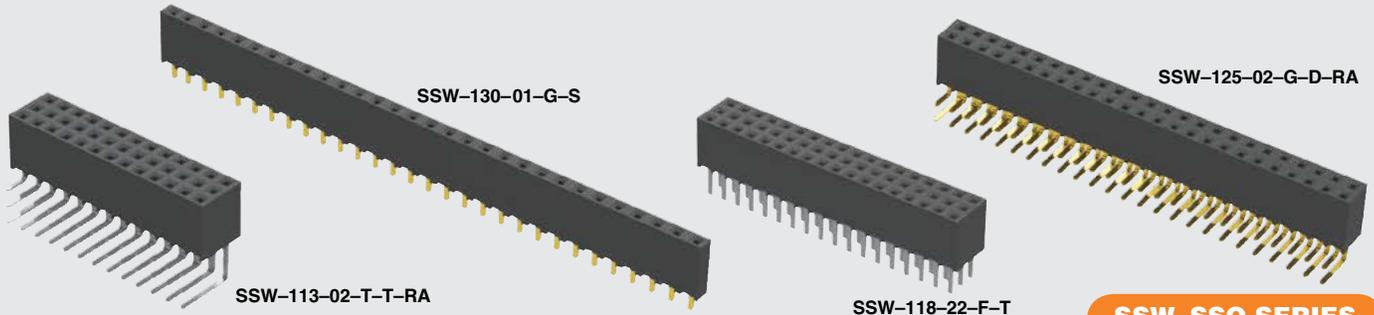


Note:
Some lengths, styles and options are non-standard, non-returnable.

Due to technical progress, all designs, specifications and components are subject to change without notice.

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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
(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)

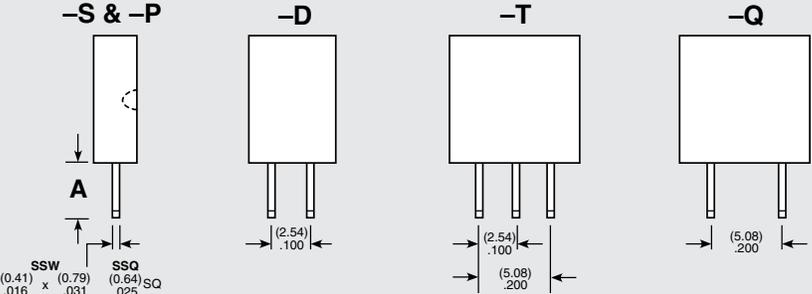
ALSO AVAILABLE (MOQ Required)

- 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

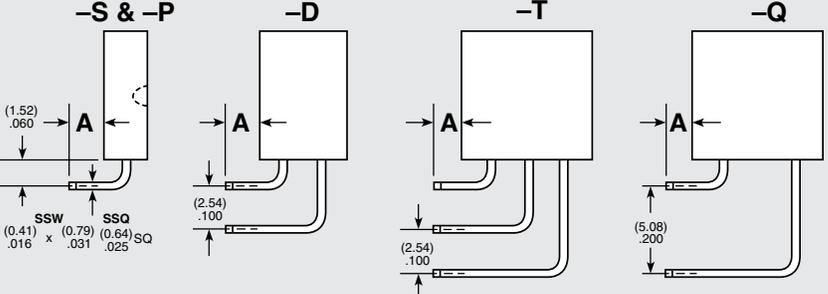
* LIF N/A with Tin Plating
**Style -06 N/A with SSQ



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
-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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