

(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 (2 pins powered)

Current Rating (SSQ/TSW):
6.3 A per pin (2 pins powered)

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

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



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



TYPE STRIP

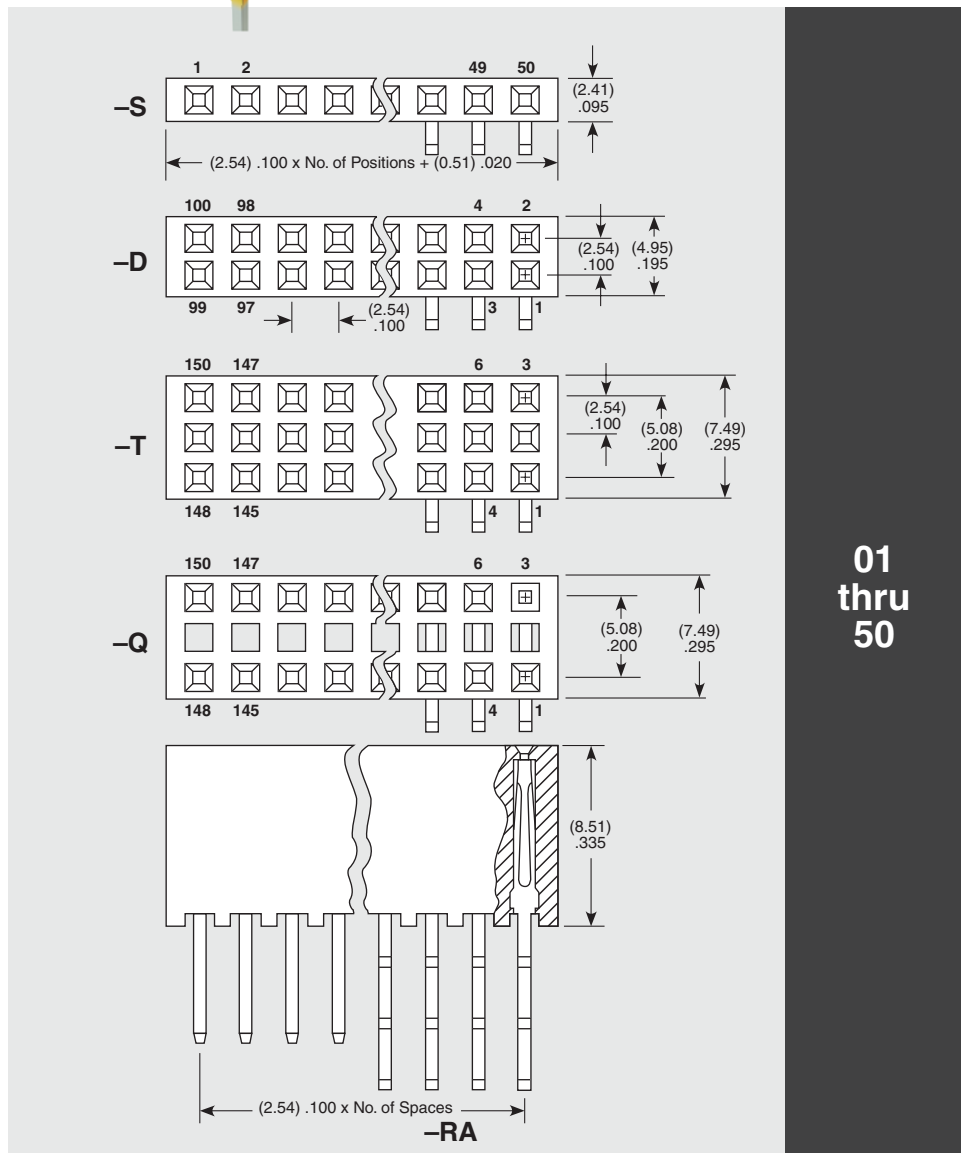
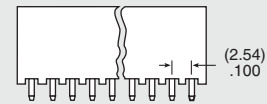
PIN CENTERS

NO. PINS PER ROW

SSW = Solder Tail

-1 = (2.54 mm) .100" Centers

SSQ = Square Tail



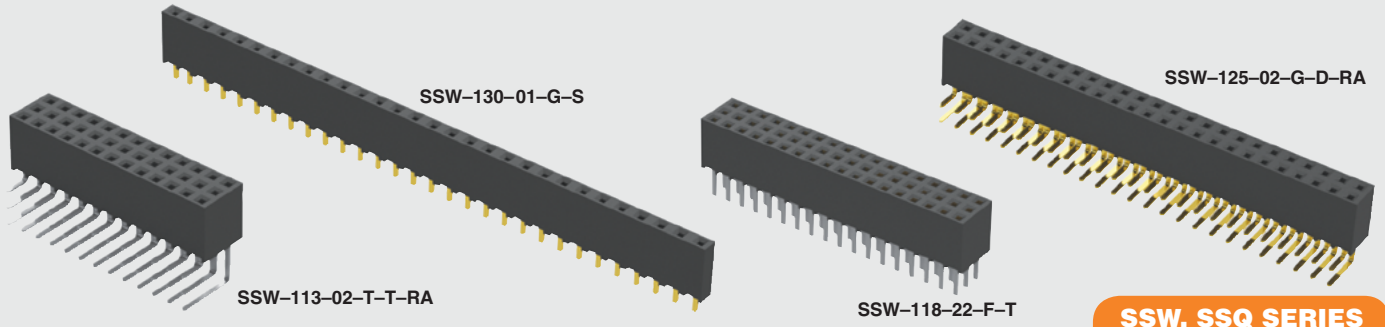
01 thru 50

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)

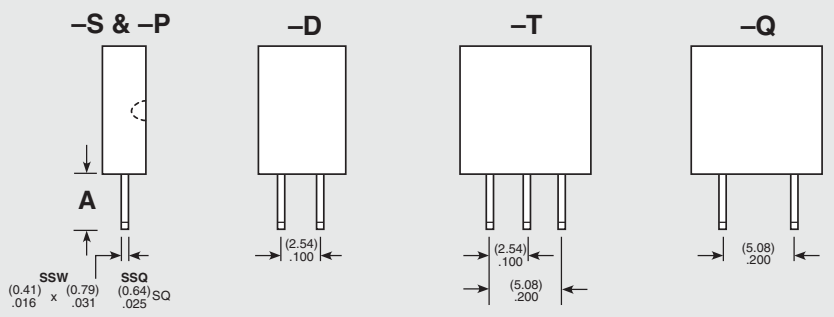
ALSO AVAILABLE (MOQ Required)

- Other platings
- Notch option

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**	Not Available	(3.15) .124

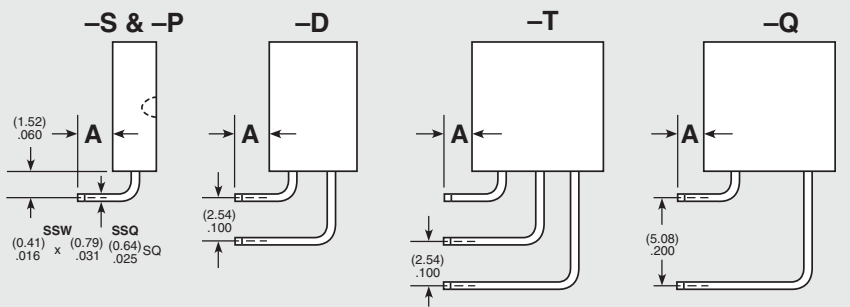
* LIF not available with Tin Plating
**Style -06 Not available with SSQ



Right-Angle Versions (Specify “LEAD STYLE” from chart)

LEAD STYLE		SINGLE	DOUBLE	TRIPLE
Standard Insertion Force	Low Insertion Force*	(-S) 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	Not Available
-04	-24	(12.45) .490	Not Available	Not Available

*LIF not available with Tin Plating



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Additional Plating Options:

- S: 30 μ " SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- H: 30 μ " HEAVY GOLD IN CONTACT AREA, 3 μ " GOLD ON TAIL
- E: 50 μ " EXTRA HEAVY GOLD IN CONTACT AREA, 3 μ " GOLD ON TAIL
(CONTACT -01 & -02 STRAIGHT ONLY)
- STL: 30 μ " SELECTIVE GOLD IN CONTACT AREA, TIN/LEAD (90/10 \pm 5%) TAIL
- TL: TIN/LEAD (90/10 \pm 5%) CONTACT AND TAIL
(AVAILABLE ONLY ON LEAD STYLES -01)
- TM: MATTE TIN CONTACT AND TAIL
(NOT APPLICABLE FOR CONTACT -21 THRU -24)
- SM: 30 μ " SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- FM: 3 μ " FLASH GOLD SELECTIVE IN CONTACT AREA, MATTE TIN ON TAIL
- L: 10 μ " LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL