

(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 µ" (1.27 µm) Ni
Current Rating (SSW/TSW):
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 µ" (0.25 µm) Au
Voltage Rating:
465 VAC / 655 VDC
RoHS Compliant:
Yes

PROCESSING

Lead-Free Solderable:
Yes:
-S and -D row option
No, Lead Wave only:
-P, -T and -Q row option

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



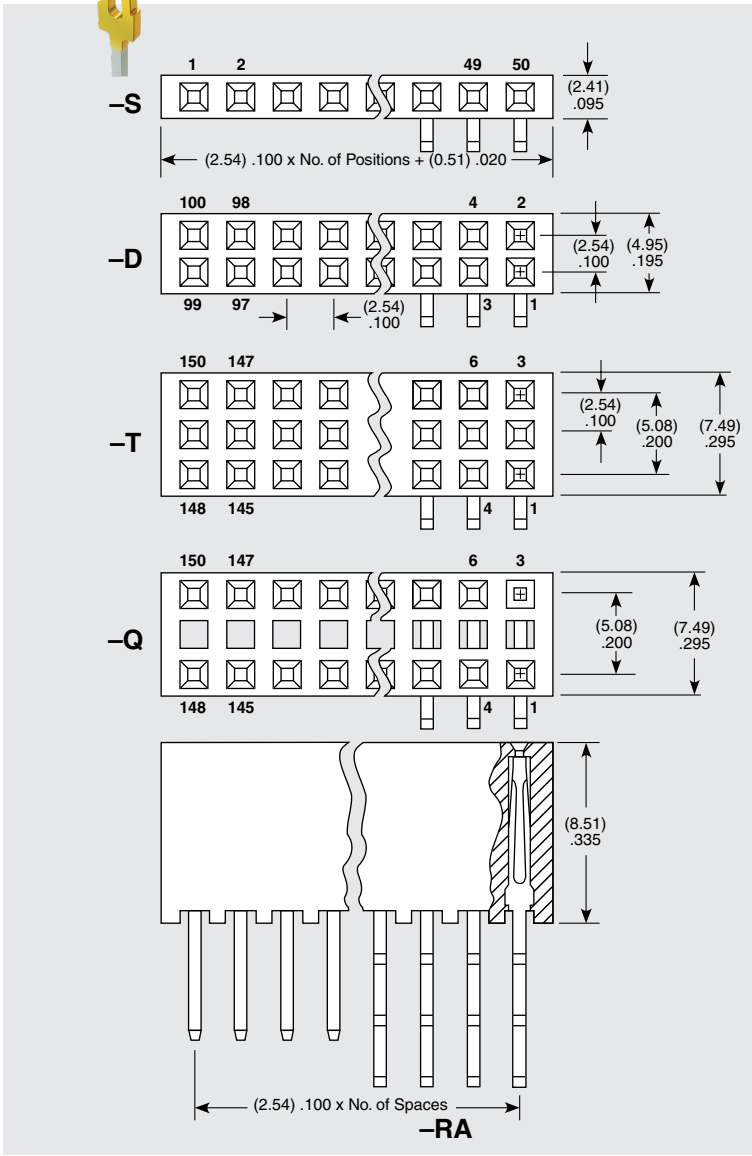
Note:
Some lengths, styles and options are non-standard, non-returnable.

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

HIGH-SPEED CHANNEL PERFORMANCE

Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact SIG@samtec.com

8
Gbps



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TYPE STRIP
SSW = Solder Tail
SSQ = Square Tail

PIN CENTERS
-1 = (2.54 mm) .100" Centers

NO. PINS PER ROW
01 thru 50

LEAD STYLE

PLATING 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)

ROW OPTION
-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)

TAIL OPTION
-RA = Right-angle (Leave blank for straight pin version)

OTHER OPTION
-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)

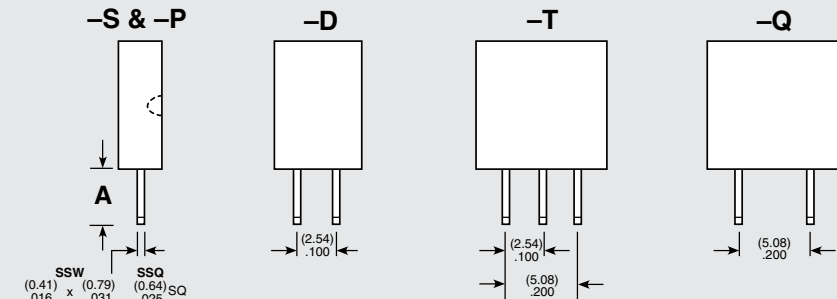
ALSO AVAILABLE (MOQ Required)

- 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

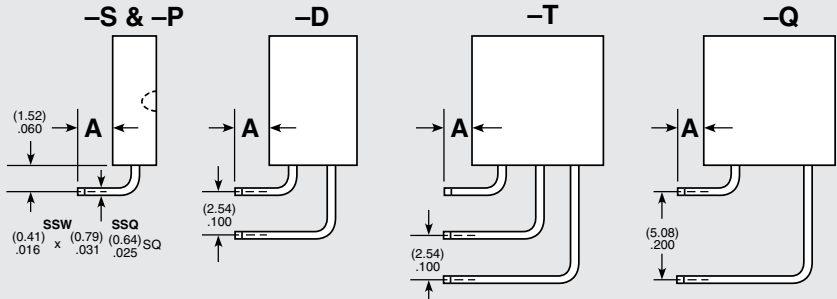
* LIF not available with Tin Plating
**Style -06 Not available with SSQ



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

LEAD STYLE		SINGLE (-S)	DOUBLE (-D)	TRIPLE (-T & -Q)
Standard Insertion Force	Low Insertion Force*	A	A	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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