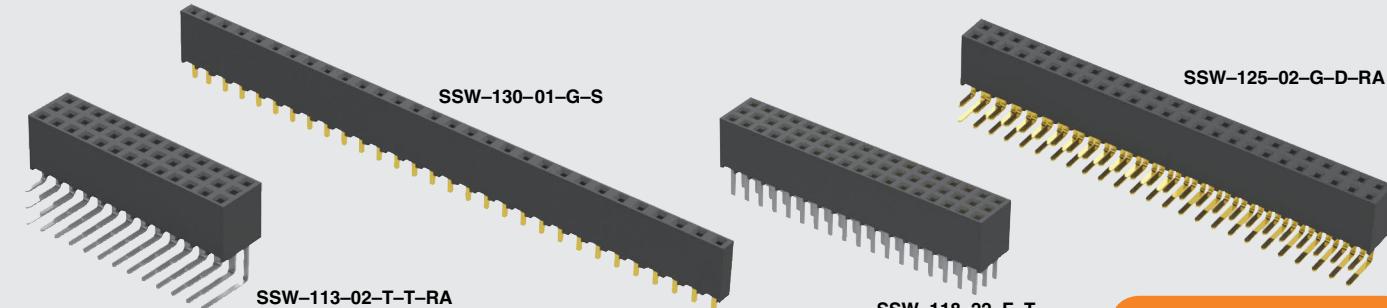


(2.54 mm) .100"



SSW, SSQ SERIES

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 μ m) 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 μ " (0.25 mm) 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



FILE NO. E111594

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 G b p s



CONTACT

TYPE STRIP

PIN CENTERS

NO. PINS PER ROW

LEAD STYLE

PLATING OPTION

ROW OPTION

TAIL OPTION

OTHER OPTION

SSW = Solder Tail

-1 = (2.54 mm) .100" Centers



-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
(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

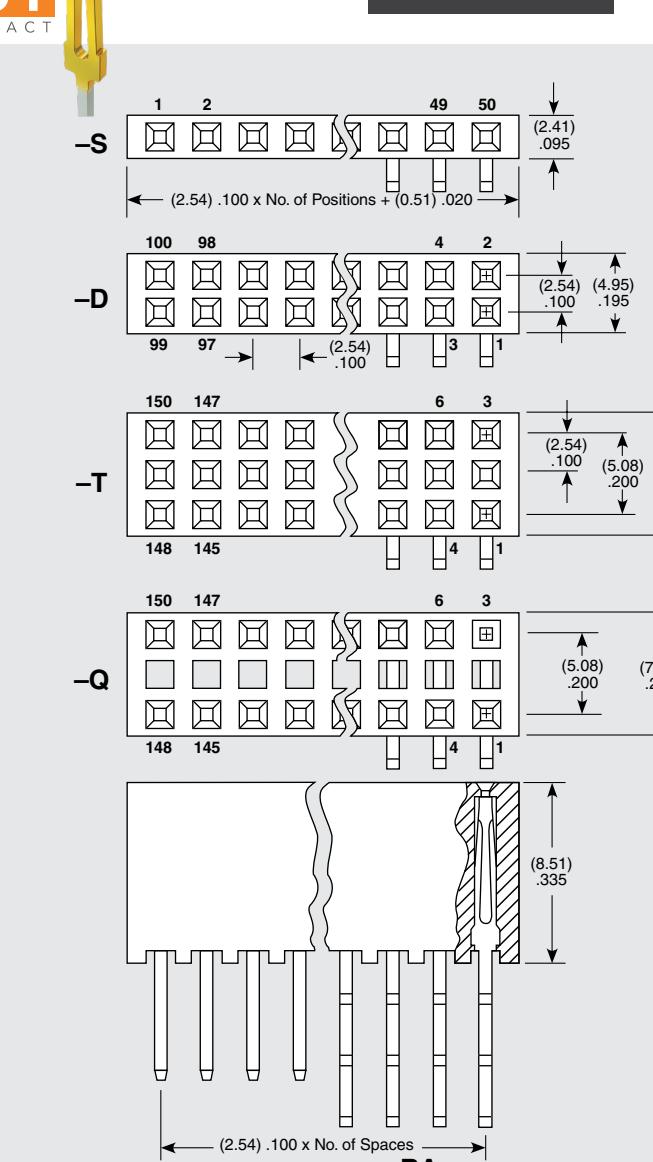
Two leads per strip crimped in opposite
directions on or near centerline.
Available on tails from (2.29 mm) .090"
to (7.87 mm) .310" only. N/A with single
row 1 or 2 positions.

-"XXX"

= Polarized
(Specify "XXX" as position number)

ALSO AVAILABLE (MOQ Required)

- Other platings
- Notch option



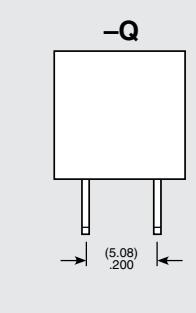
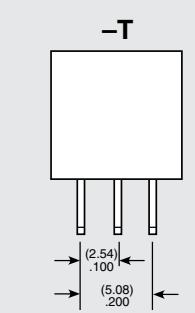
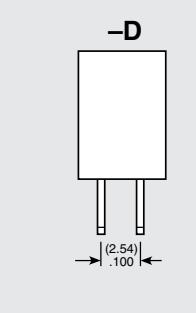
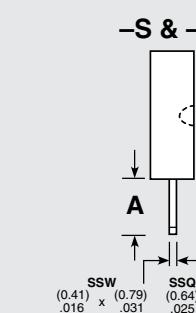
01
thru
50

Straight Pin Versions (Specify "LEAD STYLE" from chart)

LEAD STYLE	SINGLE DOUBLE OR TRIPLE	
	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

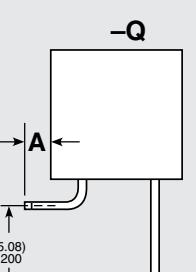
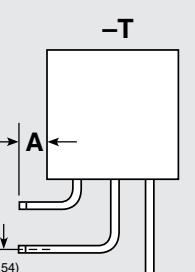
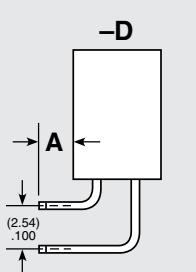
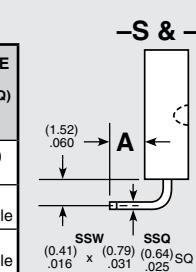
**Style -06 not available with SSQ



Right-Angle Versions (Specify "LEAD STYLE" from chart)

LEAD STYLE	SINGLE	DOUBLE	TRIPLE
	(-S) A	(-D) A	(-T & -Q) A
-02	-22	(2.54) .100	(2.54) .100
-03	-23	(7.62) .300	(7.62) .300
-04	-24	(12.45) .490	Not Available

*LIF not available with Tin Plating



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.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

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