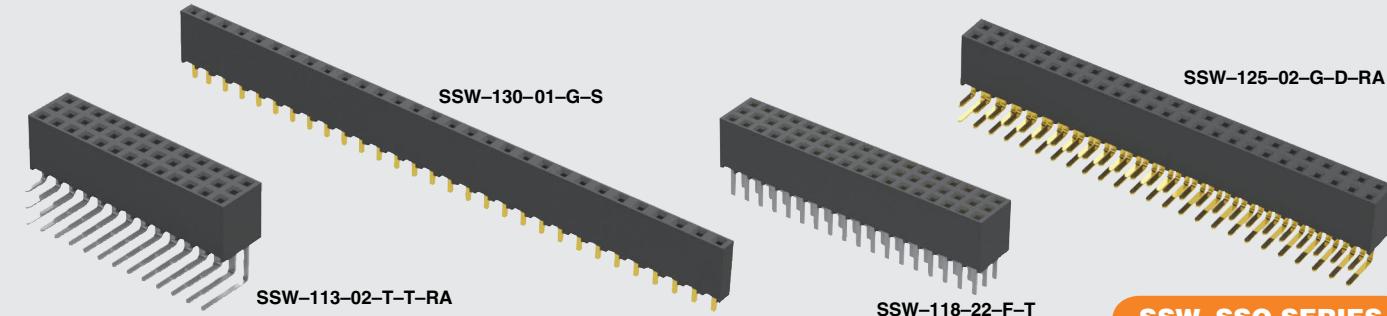


(2.54 mm) .100"



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/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 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

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 G b p s



CONTACT

TYPE STRIP

PIN CENTERS

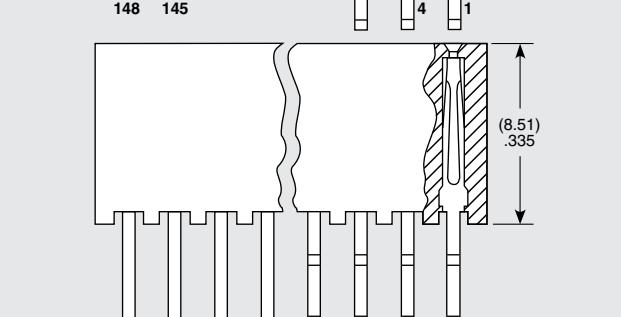
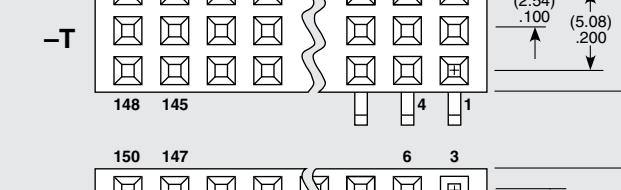
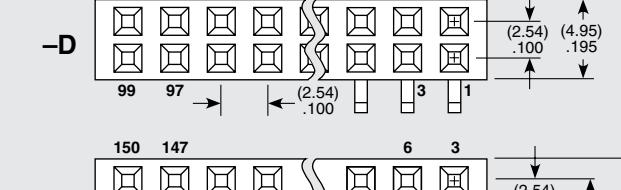
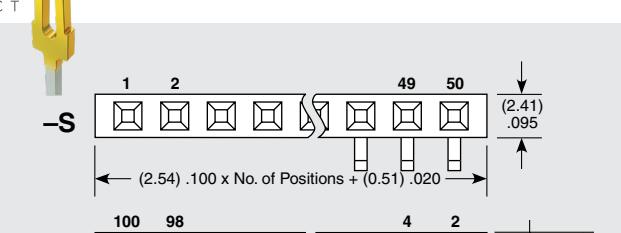
NO. PINS PER ROW

SSW = Solder Tail

-1 = (2.54 mm) .100" Centers

SSQ = Square Tail

(2.54)
.100



01
thru
50

LEAD STYLE

PLATING OPTION

ROW OPTION

TAIL OPTION

OTHER OPTION

-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)

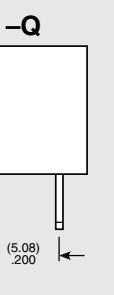
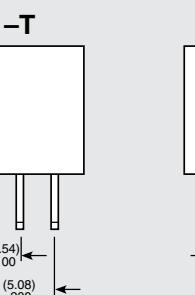
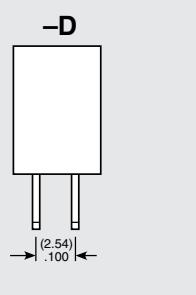
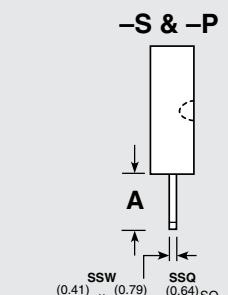
- Other platings
- Notch option

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

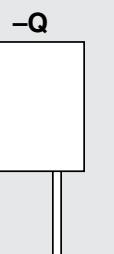
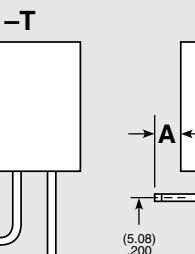
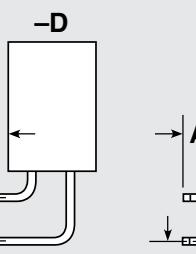
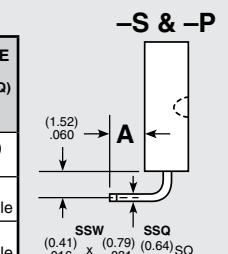
**Style -06 not available with SSQ



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	Not Available
-04	-24	(12.45) .490	Not Available

*LIF not available with Tin Plating



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[SSQ-102-03-G-T](#)