

(2.54 mm) .100"

SSQ-116-03-L-T

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 μ m) Au

Voltage Rating:
465 VAC / 655 VDC

RoHS Compliant:

Yes

Mates With:

TSW, MTSW, MTLW, 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

TIGER BUY
CONTACT

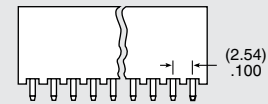
TYPE STRIP

SSW = Solder Tail

SSQ = Square Tail

PIN CENTERS

-1 = (2.54 mm) .100" Centers



NO. PINS PER ROW

01
thru
50

PROCESSING

Lead-Free Solderable:

Yes:

-S and -D row option

Wave only:

-P, -T and -Q row option

RECOGNITIONS

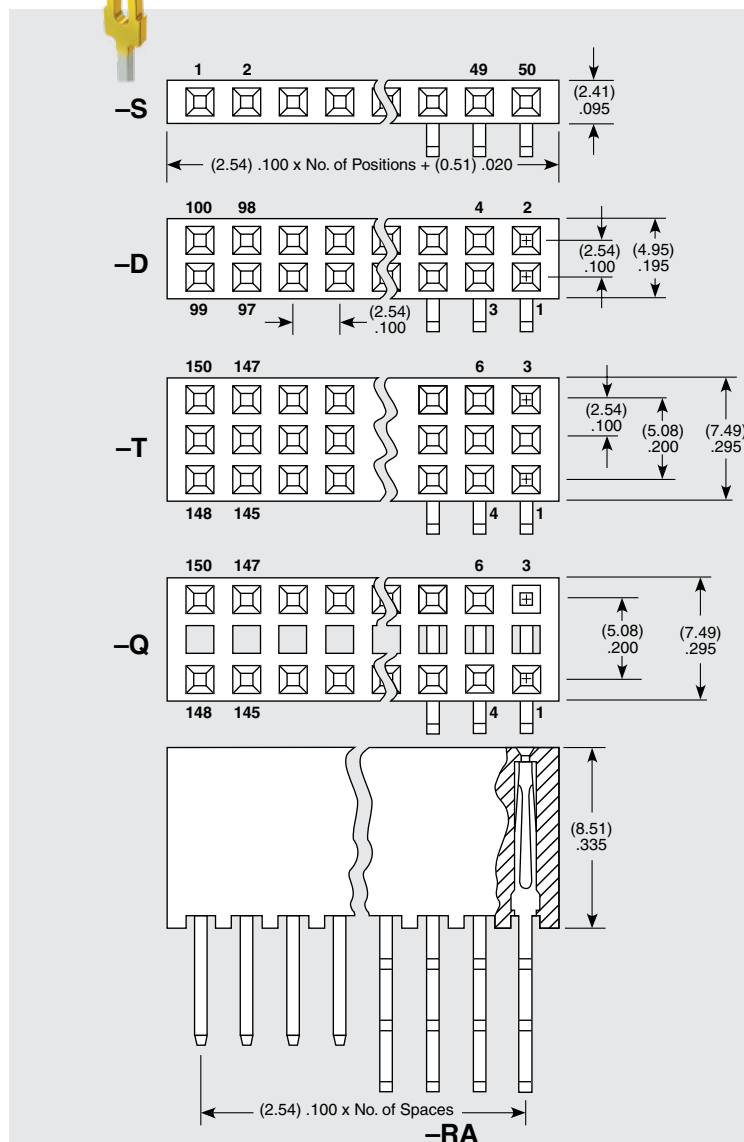
For complete scope of recognitions see www.samtec.com/quality



FILE NO. E111594

Note:

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

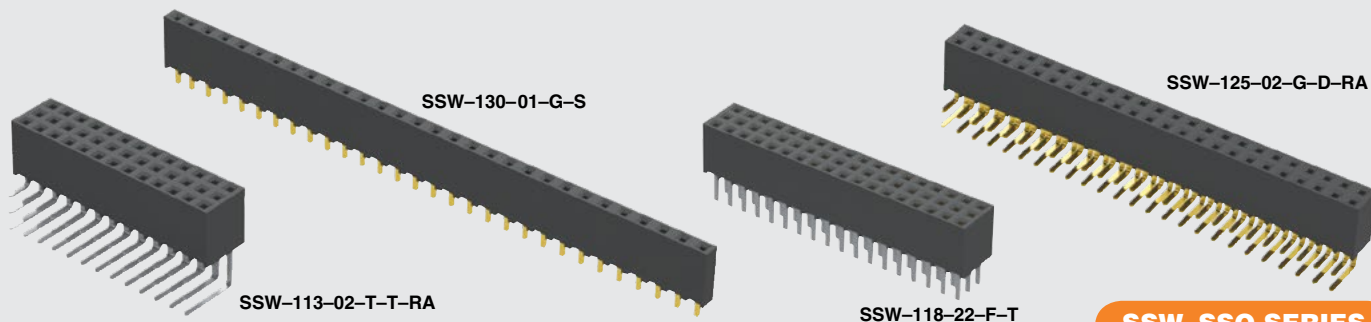


Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

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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 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)

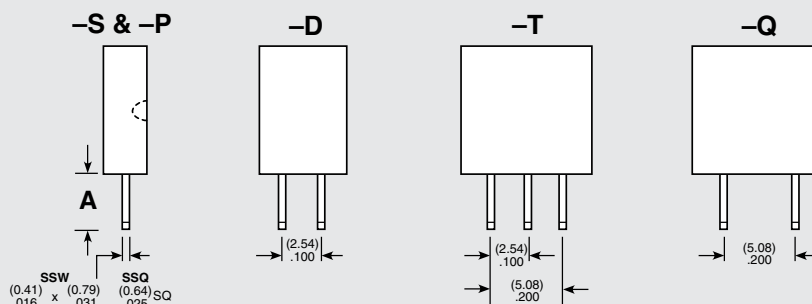
- Other platings
- Notch option

Straight Pin Versions (Specify “LEAD STYLE” from chart)

LEAD STYLE		SINGLE DOUBLE OR TRIPLE 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

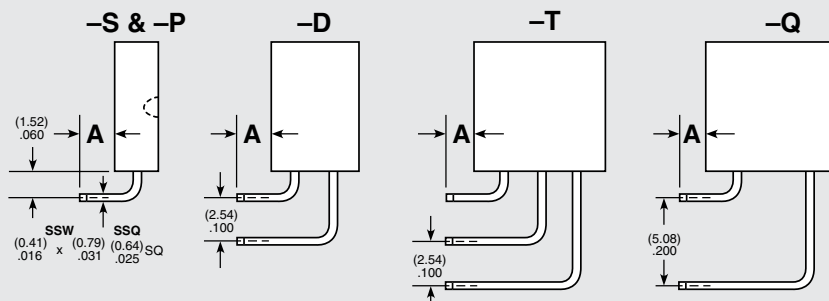
**Style -06 Not available with SSQ



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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