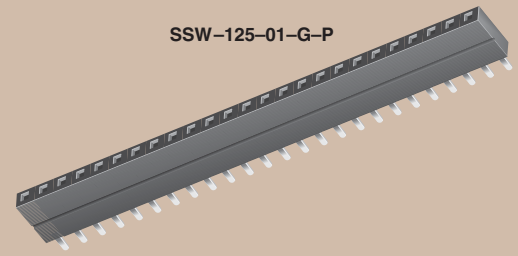


SSQ-115-04-S-T



SOCKET STRIP SSW & SSQ SERIES

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 50µ" (1.27µm) Ni

Operating Temp Range:
-55°C to +125°C with Gold
-55°C to +105°C with Tin

Contact Resistance:
10 mΩ max

Insertion Depth:
(3.68mm) .145" to (6.35mm) .250"

Insertion Force:
(Single contact only)
(-S plating)

Standard= 6oz (1.67N) avg (0.64mm) .025" SQ pin);
SSW Low Insertion Force= 3oz (0.83N) avg
SSQ Low Insertion Force= 3.3oz (0.92N) avg

Normal Force:
Standard= 125grams (4.4N)

Withdrawal Force:
(Single contact only)
(-S plating)

Standard= 5oz (1.39N) avg (0.64mm) .025" SQ pin);
SSW Low Insertion Force= 2.6oz (0.72N) avg
SSQ Low Insertion Force= 2.9oz (0.81N) avg

Max Cycles:
100 with 10µ" (0.25µm) Au

Voltage Rating:
550 VAC mated with TSW

RoHS Compliant:
Yes

CURRENT RATING	
AMBIENT TEMPERATURE	SSW mated with TSW
20°C	5.5A
40°C	5A
60°C	4A
80°C	3A

Processing:

Lead-Free Solderable:
Yes

Note:

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

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



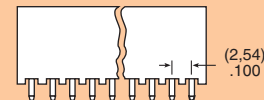
TYPE STRIP

SSW = Solder Tail

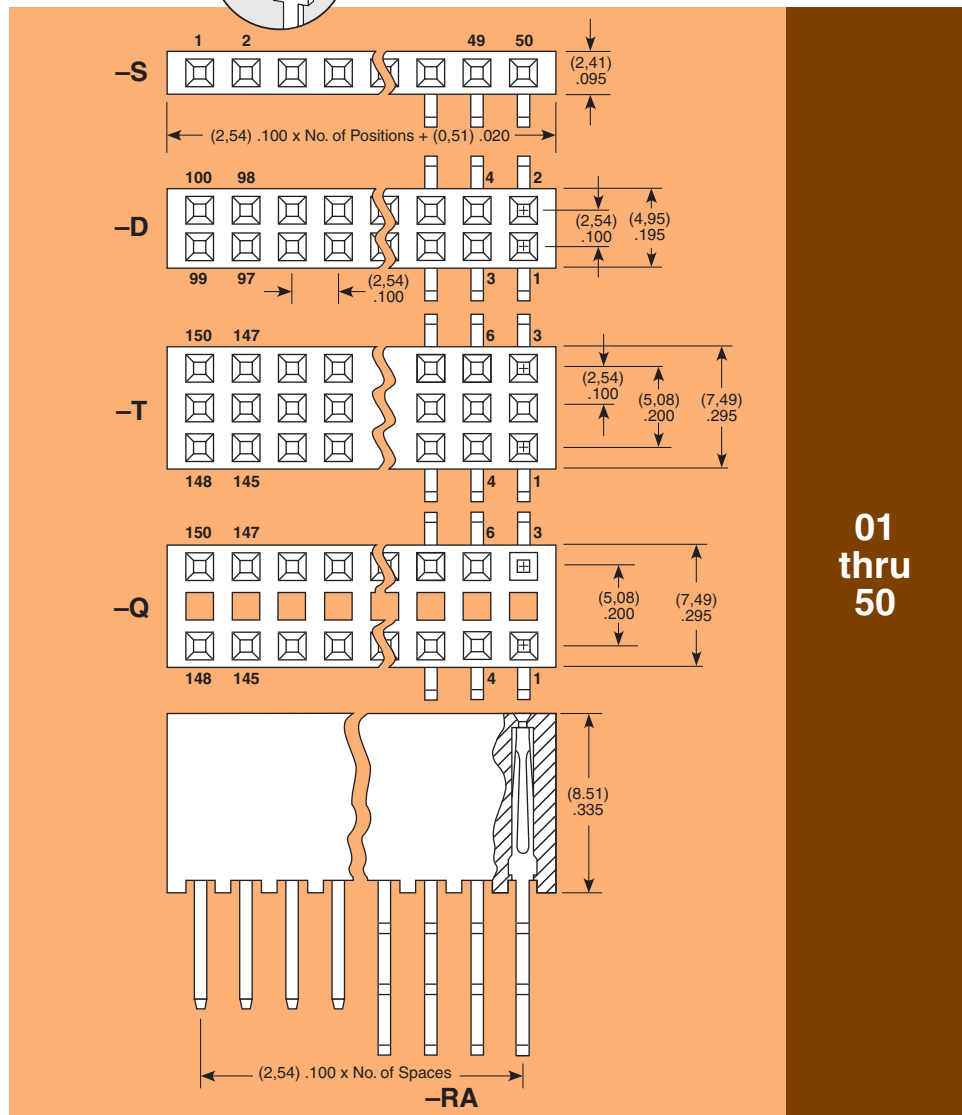
SSQ = Square Tail

PIN CENTERS

-1 = (2,54mm) .100" Centers

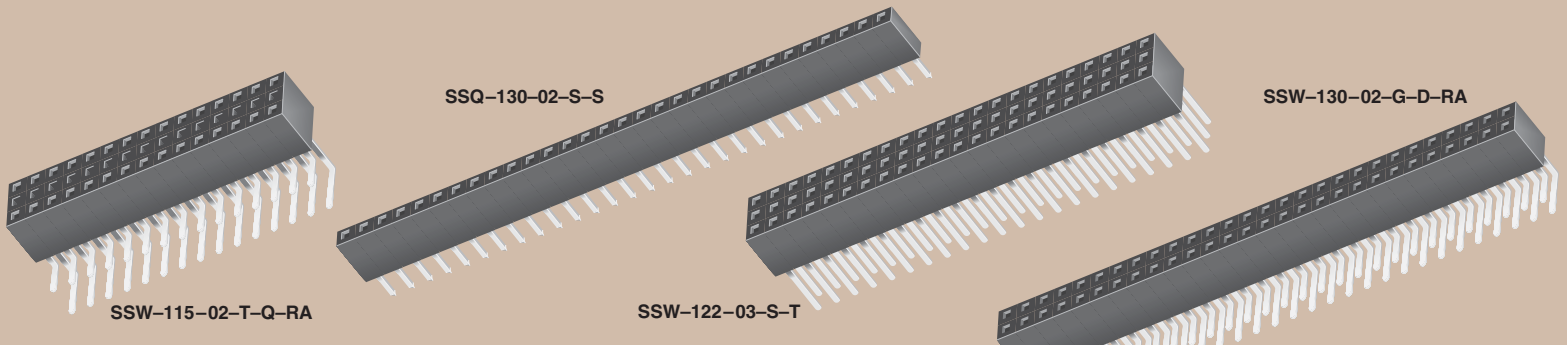


NO. PINS PER ROW



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

WWW.SAMTEC.COM



LEAD STYLE

PLATING OPTION

ROW OPTION

TAIL OPTION

OTHER OPTION

-F

= Gold flash 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

= 30 μ " (0,76 μ m) Gold on contact,
Matte Tin on tail

-S

= Single Row

-P

= Single Row
(Notched to mate with LCW)
36 pins max

-D

= Double Row

-T

= Triple Row

-Q

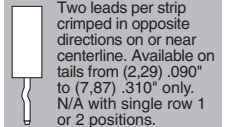
= Double Row
.200" (5,08mm) row space
(Outer rows filled only)

-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) .090"
to (7,87) .310" only.
N/A with single row 1
or 2 positions.

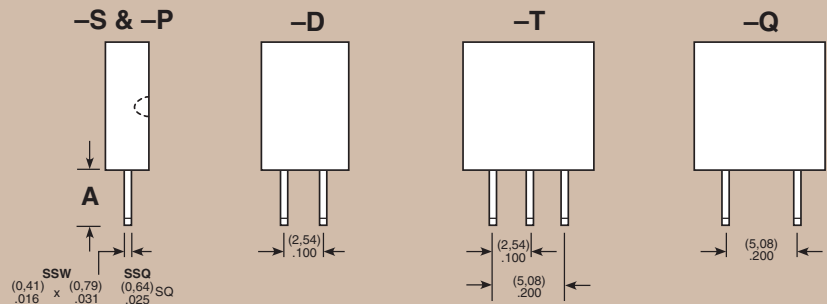
-"XXX"
= Polarized
(Specify "XXX" as
position number)

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**	N/A	(3,00) .118

* LIF N/A with Tin Plating

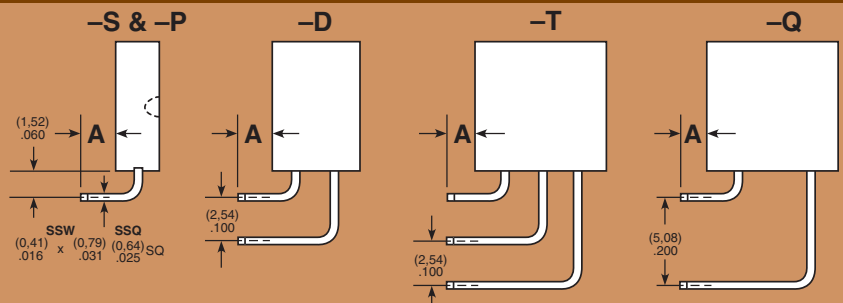
**Style -06 N/A with SSQ



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

LEAD STYLE		SINGLE	DOUBLE	TRIPLE
Standard Insertion Force	Low Insertion Force*	(-S & -P)	(-D)	(-T & -Q)
		A	A	A
-02	-22	(2,54) .100	(2,54) .100	(2,54) .100
-03	-23	(7,62) .300	(7,62) .300	N/A
-04	-24	(12,45) .490	N/A	N/A

*LIF N/A with Tin Plating



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

WWW.SAMTEC.COM

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 • Fax: 812-948-5047
 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0 • Fax: +49 (0) 89 / 89460-299
 SAMTEC NORDIC/BALTIC • Tel: +46-84477280 • Fax: +46-87420413
 SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 • Fax: 65 6841-1502
 SAMTEC HONG KONG • Tel: 852-26904858 • Fax: 852-26904842
 SAMTEC SILICON VALLEY • Tel: 408-395-5900 • Fax: 408-395-1520
 SAMTEC FRANCE • Tel: 01 60 95 06 60 • Fax: 01 60 95 06 61
 SAMTEC ISRAEL • Tel: 972-3-7526600 • Fax: 972-3-7526690
 SAMTEC CHINA • Tel: 86-21-61103766 • Fax: 86-21-5423 4575
 SAMTEC SOUTH AFRICA • Tel: 27 11 452 8112 • Fax: 27 86 6714432
 SAMTEC UK • Tel: 01236 739292 • Fax: 01236 727113
 SAMTEC ITALY • Tel: 39 039 6890337 • Fax: 39 039 6890315
 SAMTEC INDIA • Tel: +91-80-3272 1612 • Fax: +91-80-4152 8187
 SAMTEC TAIWAN • Tel: 886-2-2735-6109 • Fax: 886-2-2735-5036
 SAMTEC ANZ • Tel: 613 9512 7747 • Fax: 613 9512 7745