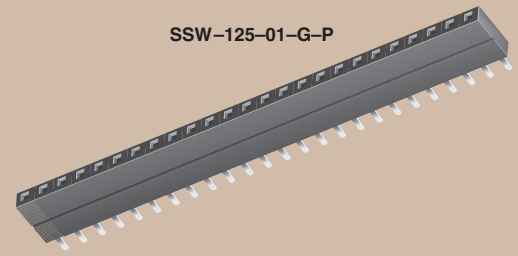


SSQ-115-04-S-T



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: Single & Double Row

No: Triple Row

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



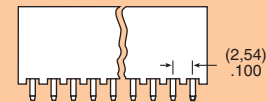
TYPE STRIP

SSW = Solder Tail

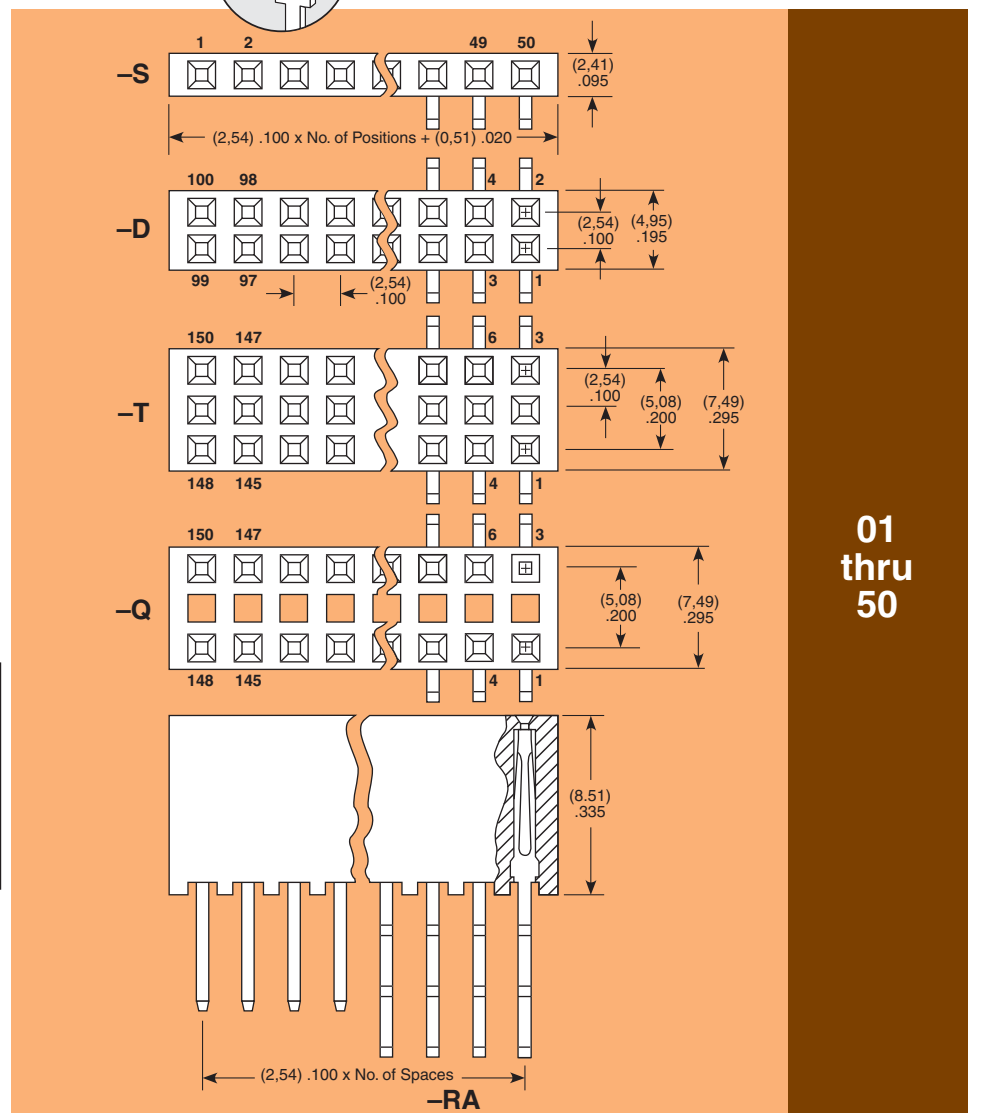
SSQ = Square Tail

PIN CENTERS

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

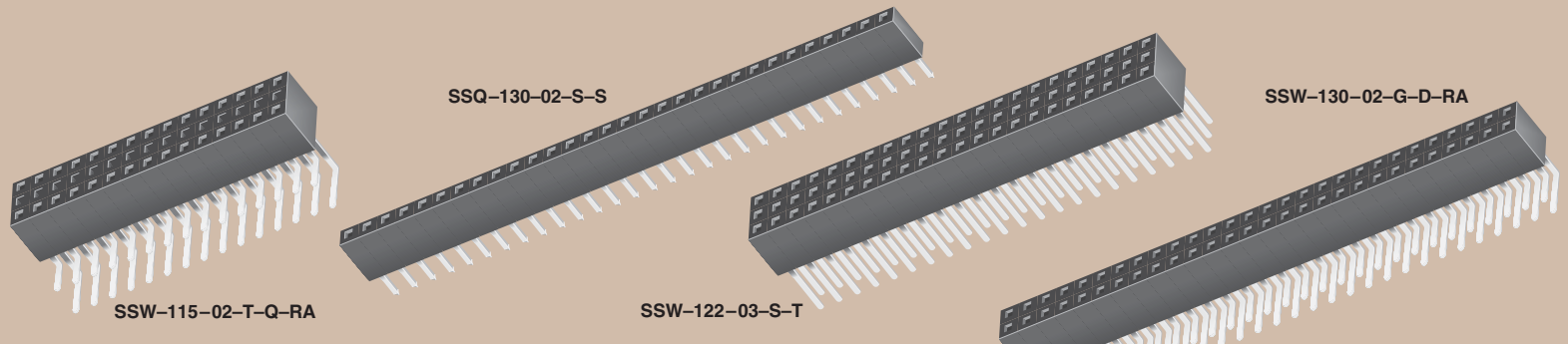


NO. PINS PER ROW



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

= 20μ" (0,51μm) Gold on contact,
Gold flash on tail

-S

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

-T

= Matte Tin
(-T N/A on LIF contacts)

-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)

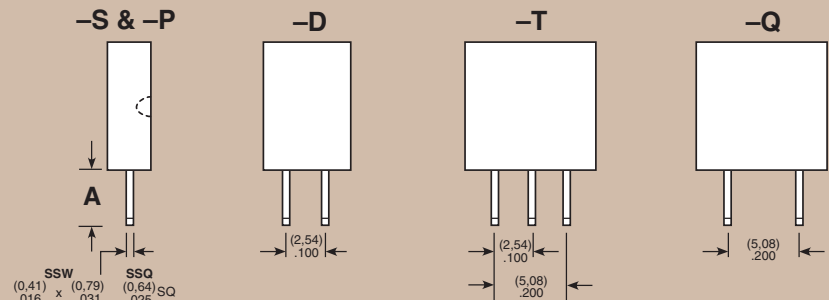
Note: Other Gold plating options available. Contact Samtec.

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

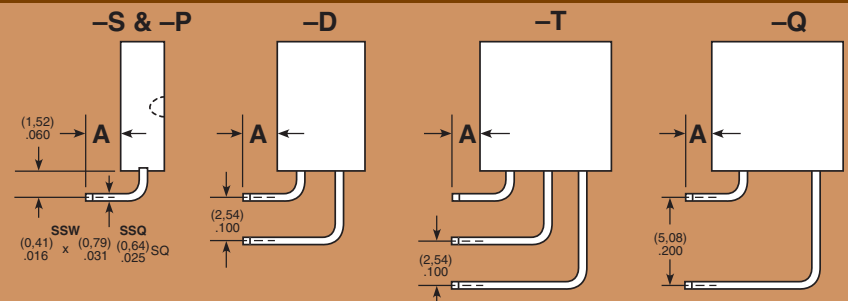
**Style -06 N/A with SSQ



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

LEAD STYLE		SINGLE	DOUBLE	TRIPLE
Standard Insertion Force	Low Insertion Force*	(-S & -P) 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	N/A
- 04	- 24	(12,45) .490	N/A	N/A

*LIF N/A with Tin Plating



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