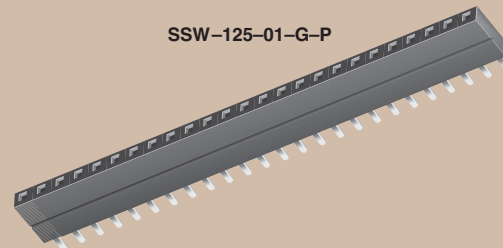


SSQ-115-04-S-T



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 US

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



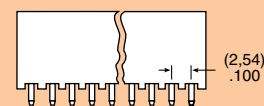
TYPE STRIP

SSW = Solder Tail

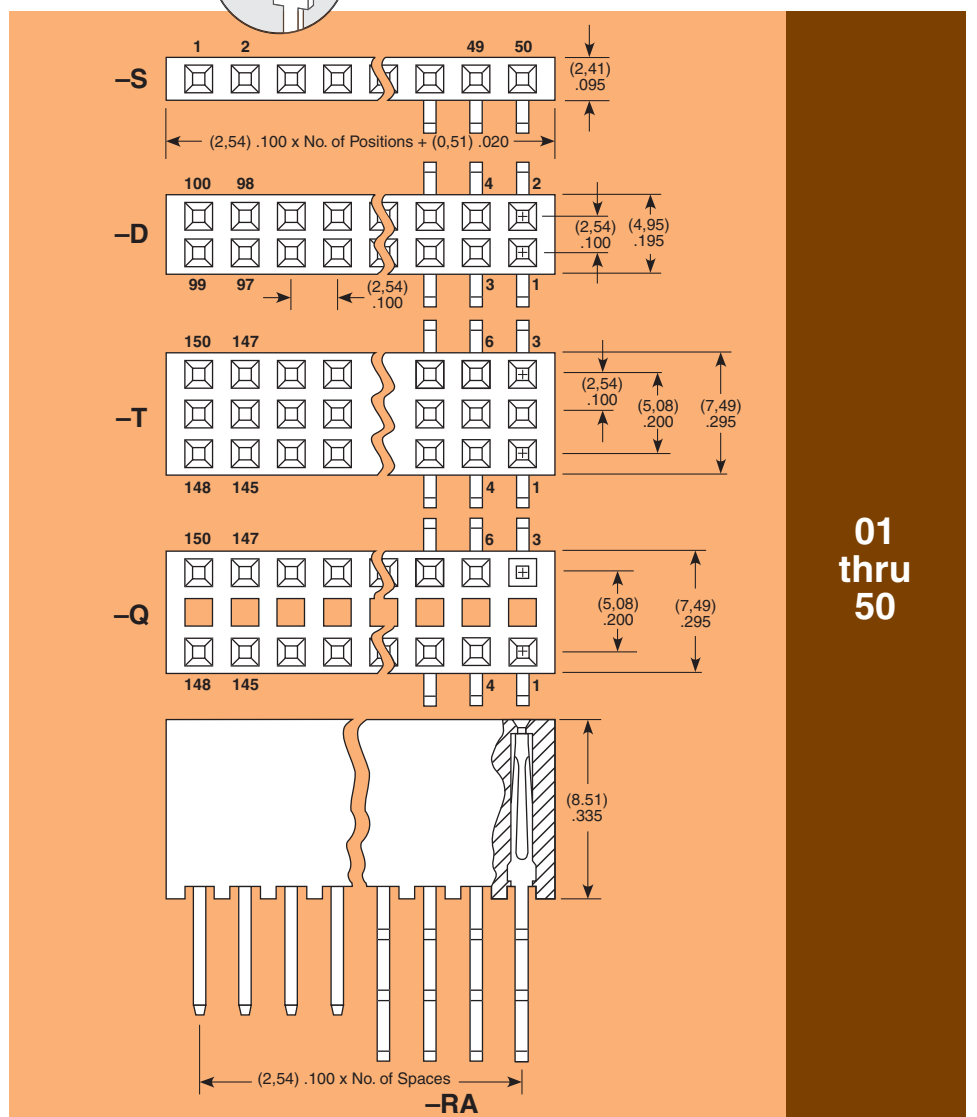
SSQ = Square Tail

PIN CENTERS

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



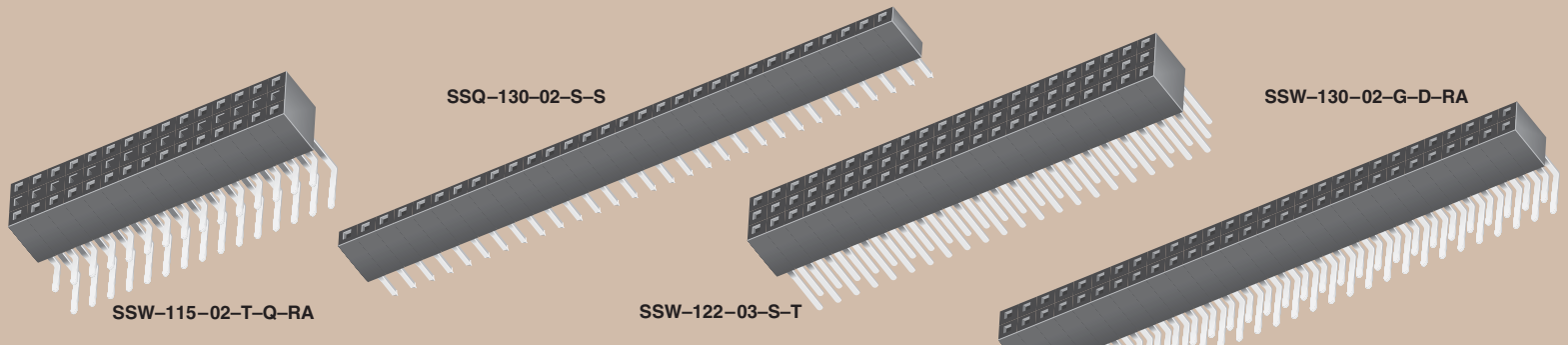
NO. PINS PER ROW



01
thru
50

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

-T

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

-S

= 30μ" (0,76μm) 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”

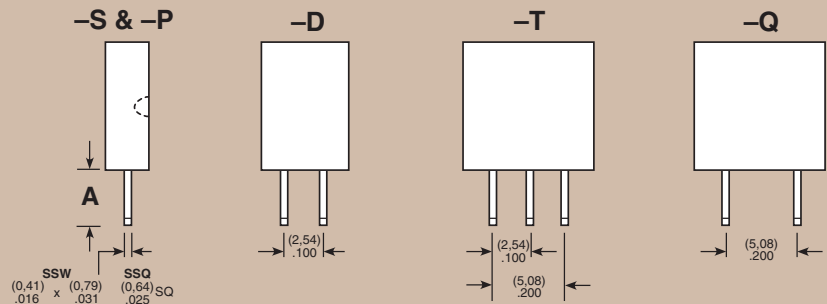
= Polarized
(Specify “XXX” as
position number)

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

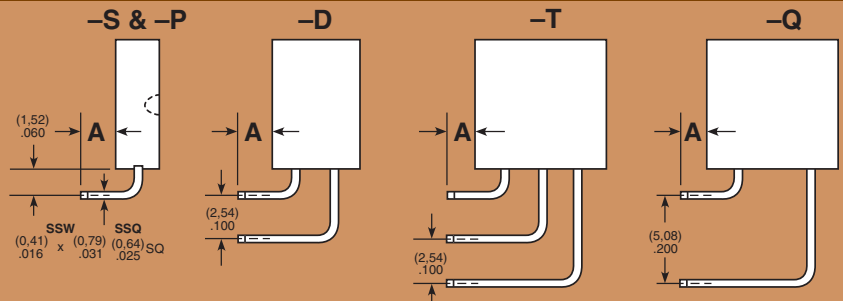
**Style -06 N/A with SSQ



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

LEAD STYLE		SINGLE (-S & -P) A	DOUBLE (-D) A	TRIPLE (-T & -Q) A
Standard Insertion Force	Low Insertion Force*			
- 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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