



Distributor of Samtec, Inc.: Excellent Integrated System Limited

Datasheet of SSW-102-01-G-Q - Connector Receptacle 6 Position 0.100" (2.54mm) Gold Through Hole

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

Excellent Integrated System Limited

Stocking Distributor

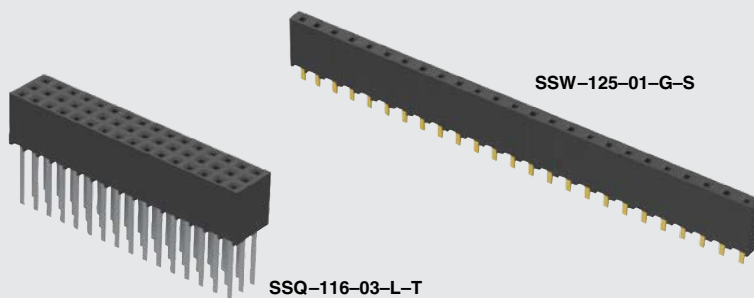
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[Samtec, Inc.](#)

[SSW-102-01-G-Q](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



(2.54 mm) .100"

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 (TSW/SSW):
5.7 A per pin
(1 pin powered per row)

Current Rating (SSQ/TSW):
6.3 A per pin
(1 pin powered per row)

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

Contact Resistance:
10 m Ω

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:
550 VAC mated with TSW

RoHS Compliant:
Yes

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



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

Mates With:

TSW, MTSW, MTLW,
EW, ZW, TSS, ZSS,
TSM, TSSH, HTSS



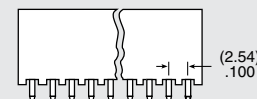
TYPE STRIP

SSW = Solder Tail

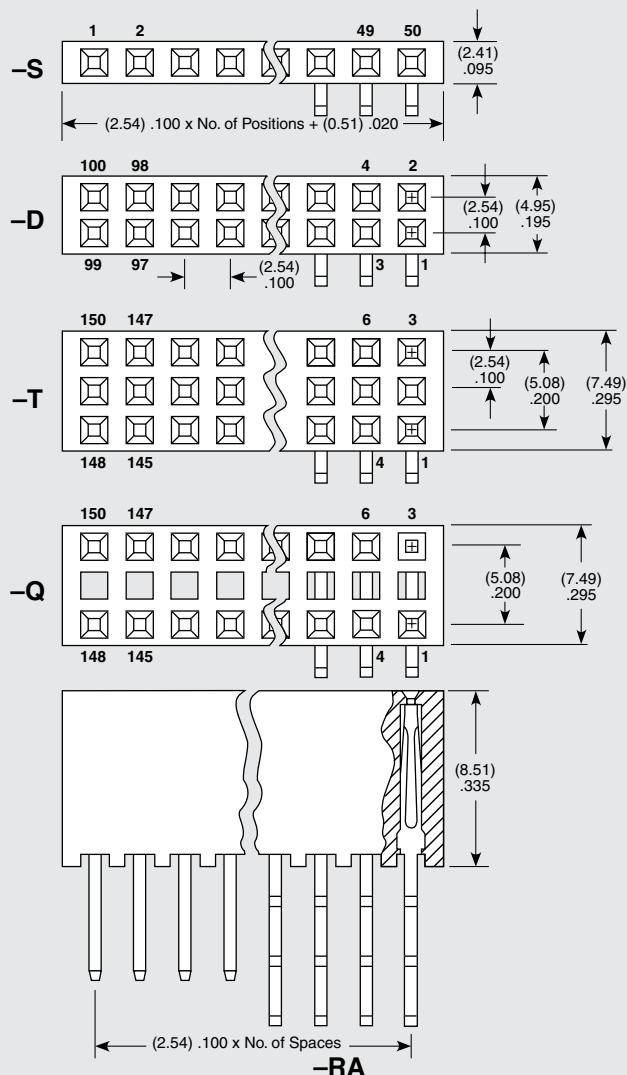
SSQ = Square Tail

PIN CENTERS

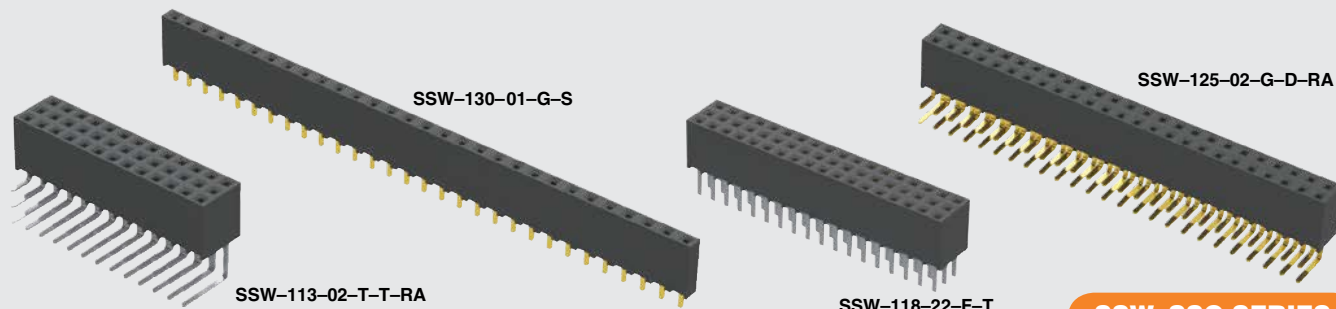
-1 = (2.54 mm) .100" Centers



NO. PINS PER ROW



01
thru
50



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
(Notched to mate with LCW)
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

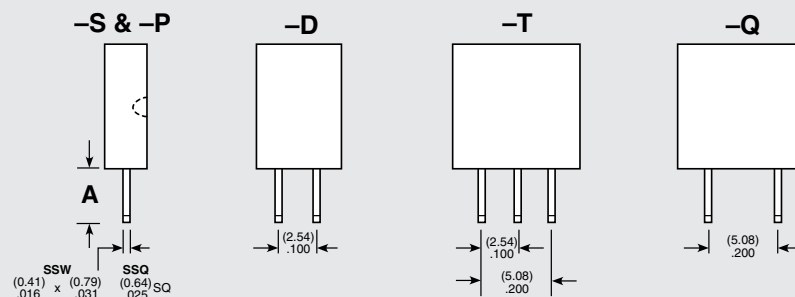
Contact Samtec.

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	(3.15) .124

* 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
		(-S & -P)	(-D)	(-T & -Q)
Standard Insertion Force	Low Insertion Force*	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

