

(2,54mm) .100"

SSW, SSQ SERIES

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 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

Lead-Free Solderable:

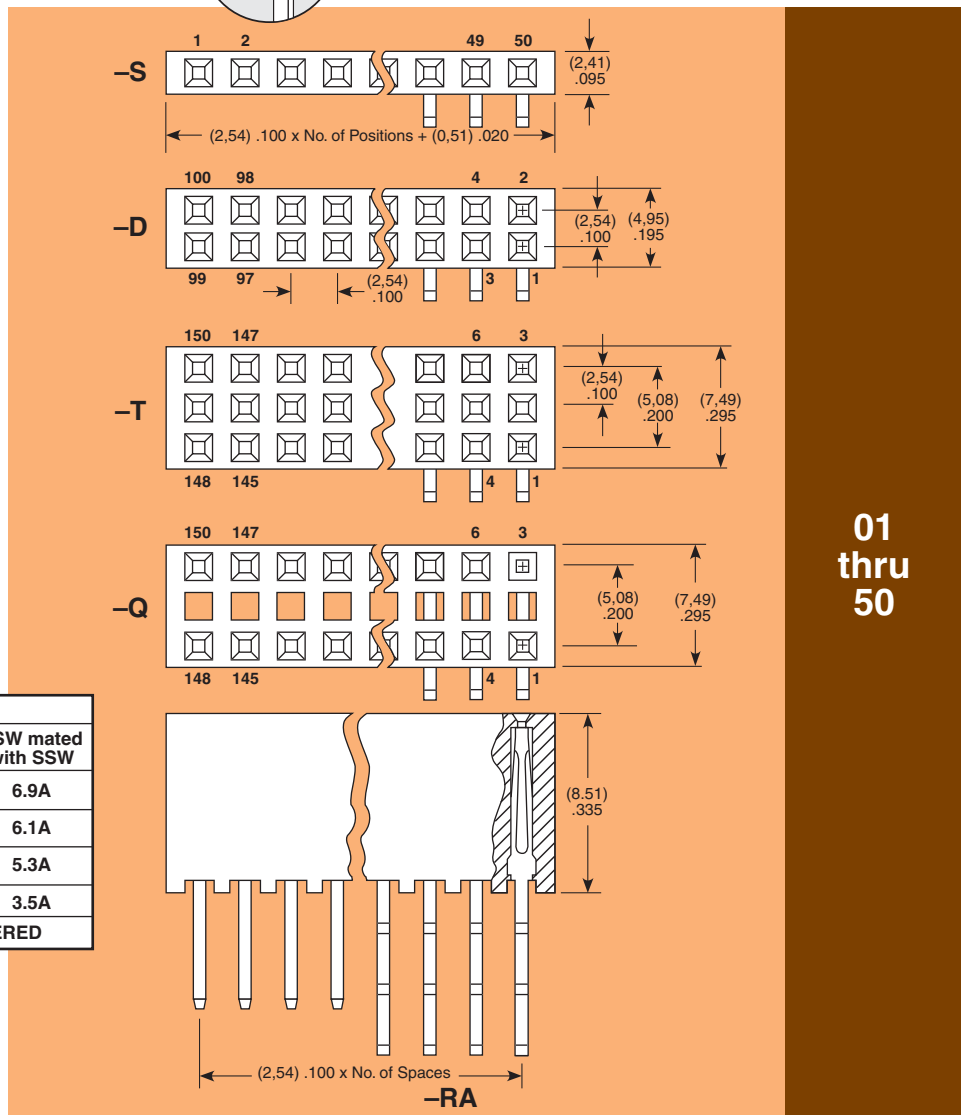
Yes



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



| | | |
|-------------------|-----------------------------|-------------------------|
| TYPE STRIP | PIN CENTERS | NO. PINS PER ROW |
| SSW = Solder Tail | -1 = (2,54mm) .100" Centers | |
| SSQ = Square Tail | | |

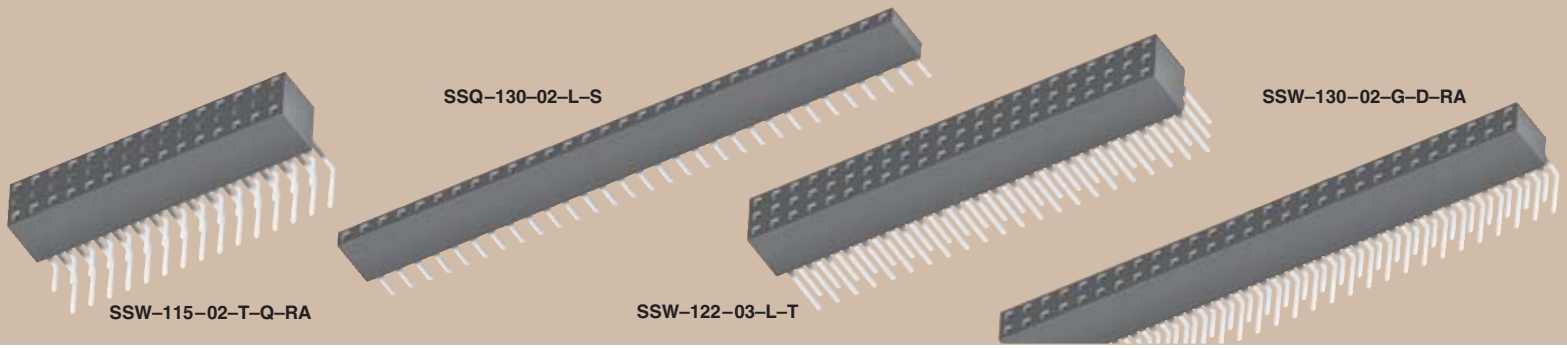


| CURRENT RATING | | |
|---------------------------|--------------------|--------------------|
| AMBIENT TEMP | TSW mated with SSQ | TSW mated with SSW |
| 20°C | 7.6A | 6.9A |
| 40°C | 6.9A | 6.1A |
| 60°C | 5.9A | 5.3A |
| 95°C | 3.9A | 3.5A |
| 6 POSITIONS (2x3) POWERED | | |

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



LEAD STYLE

PLATING OPTION

ROW OPTION

TAIL OPTION

OTHER OPTION

-F

= Gold flash on contact, Matte Tin on tail

-L

= 10µ" (0,25µm) Gold 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)

Note: Other Gold plating options available. Contact Samtec.

-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)

-N

= Notch (5, 7, 8, 10, 12, 13, 15, 17, 20, 25, 32 & 36 positions only) (-D & SSW only) (Mates to TSS, ZSS and HTSS only)

-LL

= Locking Lead

Two leads per strip crimped in opposite directions on or near centerline. Available on tails from (2,29mm) .090" to (7,87mm) .310" only. N/A with single row 1 or 2 positions.

-“XXX”

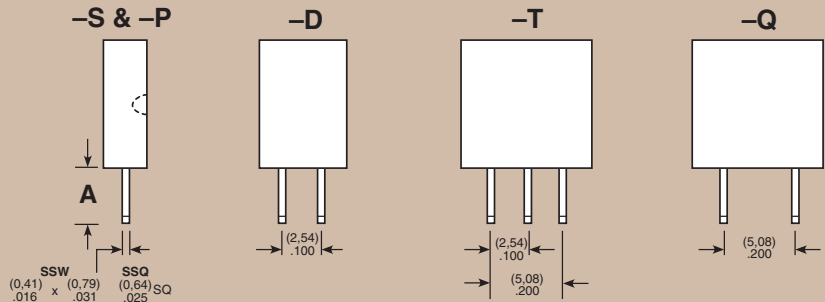
= Polarized (Specify “XXX” as position number)

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 | (3,15) .124 |

* LIF N/A with Tin Plating

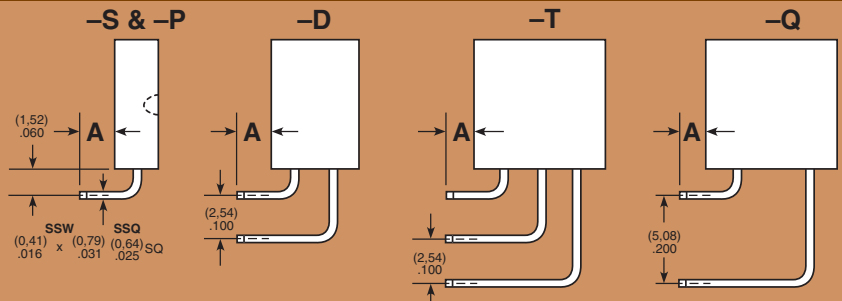
**Style -06 N/A with SSW



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



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 SAMTEC SILICON VALLEY • Tel: 408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: 1-800-726-8329
 SAMTEC AMERICA LATINA COMERCIO EXTERIOR LTDA • Tel: (+55 31) 3786 3227 SAMTEC UNITED KINGDOM • Tel: 44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
 SAMTEC FRANCE • Tel: 33 01 60 95 06 60 SAMTEC ITALY • Tel: 39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46-84477280 SAMTEC BENELUX • Tel: 44 01236 739292
 SAMTEC ISRAEL • Tel: 972-3-7526600 SAMTEC INDIA • Tel: +91-80-3272 1612 SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 SAMTEC JAPAN • Tel: 045-475-1385 SAMTEC CHINA • Tel: 86-21-61103766
 SAMTEC TAIWAN • Tel: 886-2-2735-6109 SAMTEC HONG KONG • Tel: 852-26904858 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC ANZ • Tel: 613 9580 0683