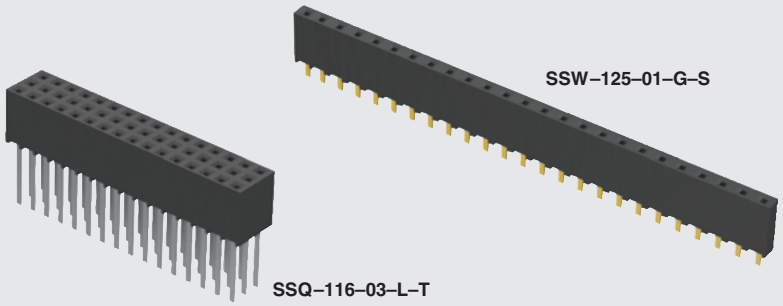
chanhvinh.com



samtec




(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
50µ" (1,27 µm) 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 mΩ
**Insertion Depth:**
(3,68 mm) .145" to
(6,35 mm) .250"
**Insertion Force:**
(Single contact only)
(–S plating)
Standard= 6 oz (1,67 N) avg
((0,64 mm) .025" SQ pin);
SSW Low Insertion Force=
3 oz (0,83 N) avg
SSQ Low Insertion Force=
3.3 oz (0,92 N) avg
**Normal Force:**
Standard= 125 grams (4.4 N)
**Withdrawal Force:**
(Single contact only)
(–S plating)
Standard= 5 oz (1,39 N) avg
((0,64 mm) .025" SQ pin);
SSW Low Insertion Force=
2.6 oz (0,72 N) avg
SSQ Low Insertion Force=
2.9 oz (0,81 N) avg
**Max Cycles:**
100 with 10µ" (0,25 µm) Au
**Voltage Rating:**
550 VAC mated with TSW
**RoHS Compliant:**
Yes
**Lead-Free Solderable:**
Yes

## RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

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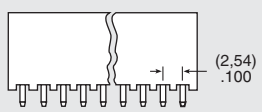
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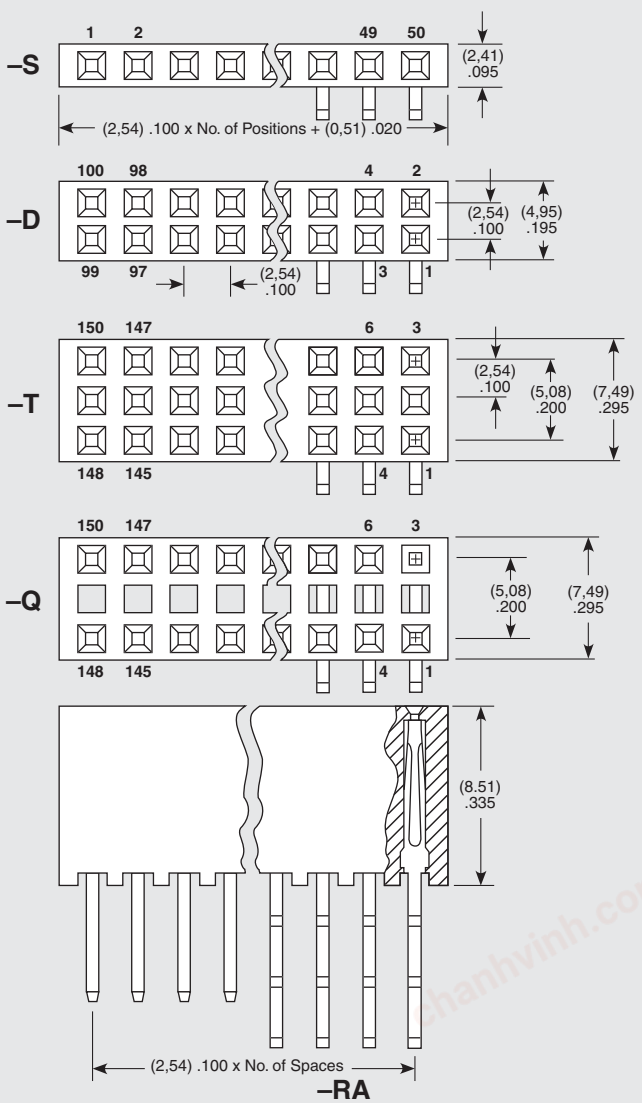
**Note:**
Some lengths, styles and options are non-standard, non-returnable.

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

TIGER BUY CONTACT™

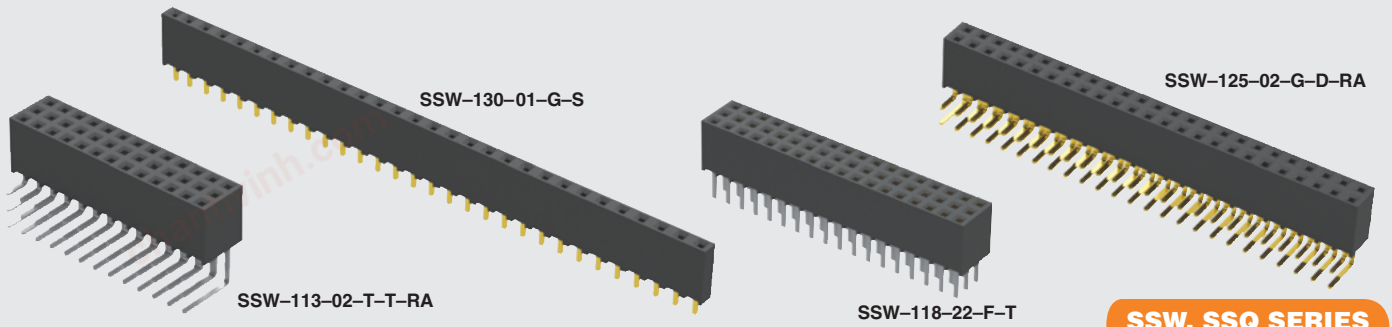
| TYPE STRIP | PIN CENTERS | NO. PINS PER ROW |
|---|---|---|
| SSW = Solder Tail | –1 = (2,54 mm) .100" Centers | 01 thru 50 |
| SSQ = Square Tail | | |






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




# SSW, SSQ SERIES

## LEAD STYLE

## PLATING OPTION

**–F**
= Gold flash on contact, Matte Tin on tail

**–L**
= 10µ" (0,25 µm) Gold on contact, Matte Tin on tail

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

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

## ROW OPTION

**–S**
= Single Row

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

**–D**
= Double Row

**–T**
= Triple Row

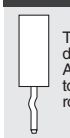
**–Q**
= Double Row
.200" (5,08 mm) row space
(Outer rows filled only)

## TAIL OPTION

**–RA**
= Right Angle
(Leave blank for straight pin version)

## OTHER OPTION

**–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)

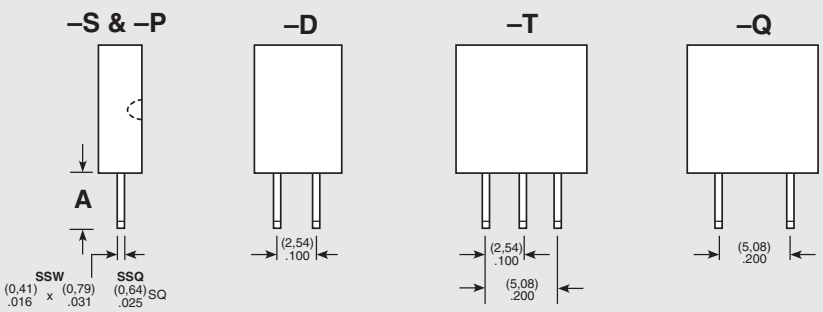
- Other platings
- Notch option

Contact Samtec.

## Straight Pin Versions (Specify "LEAD STYLE" from chart)

| LEAD STYLE | | SINGLE DOUBLE OR TRIPLE |
|---|---|---|
| Standard Insertion Force | Low Insertion Force* | A |
| –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 |

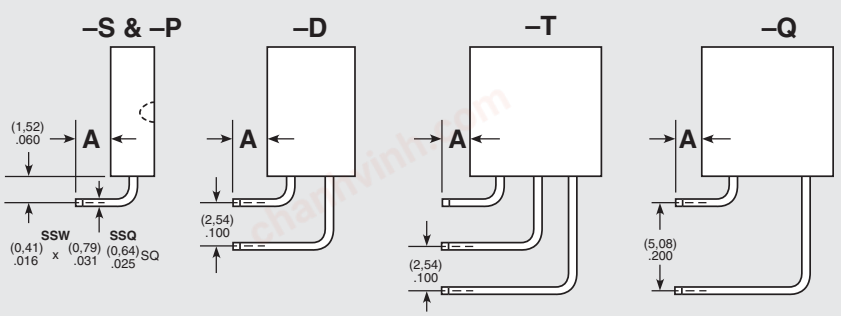
* LIF N/A with Tin Plating
**Style –06 N/A with SSQ




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

| LEAD STYLE | | SINGLE (–S & –P) | DOUBLE (–D) | TRIPLE (–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






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