



**THE DATASHEET OF  
SSQ-114-01-G-D-001-LL**



# THROUGH-HOLE .025" SQ POST SOCKET

(2.54 mm) .100" PITCH • SSW/SSQ SERIES



## SSW/SSQ

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

### SPECIFICATIONS

**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 μm) Ni  
**Current Rating (SSW/TSM):**  
4.7 A per pin  
(2 pins powered)  
**Current Rating (SSQ/TSW):**  
6.3 A per pin  
(2 pins powered)  
**Operating Temp Range:**  
-55 °C to +125 °C with Gold  
-55 °C to +105 °C with Tin  
**Insertion Depth:**  
(3.68 mm) .145" to  
(6.35 mm) .250"  
**Max Cycles:**  
100 with 10 μ" (0.25 μm) Au  
**Voltage Rating:**  
465 VAC / 655 VDC

### PROCESSING

**Lead-Free Solderable:**  
Yes:  
-S and -D row option  
No, Lead Wave only:  
-P, -T and -Q row option

| SERIES | 1 | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | ROW OPTION | TAIL OPTION | OTHER OPTION |
|--------|---|------------------|------------|----------------|------------|-------------|--------------|
|--------|---|------------------|------------|----------------|------------|-------------|--------------|

**SSW**  
= Solder Tail

01 thru 50

Specify  
**LEAD STYLE**  
from chart

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

**-S**  
= Single Row

Leave blank for straight pin version)

**-LL**  
= Locking Lead  
Available on tails from  
(2.29 mm) .090" to  
(7.87 mm) .310" only.  
Not Available with single row 1 or 2 positions)

**SSQ**  
= Square Tail

**-L**  
= 10 μ" (0.25 μm)  
Gold on contact,  
Matte Tin on tail

**-P**  
= Single Row  
(36 pins max)

**-RA**  
= Right-angle

**-G**  
= 20 μ" (0.51 μm)  
Gold on contact,  
Gold flash on tail

**-D**  
= Double Row

**-T**  
= Triple Row

**-Q**  
= Double Row  
.200"  
(5.08 mm)  
row space  
(outer rows filled only)

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

**"XXX"**  
= Polarized  
(Specify "XXX" as position number)



Through-hole

Right-angle

| THROUGH-HOLE             |                      |                           |
|--------------------------|----------------------|---------------------------|
| 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 not available with Tin Plating  
\*\*Style -06 Not available with SSQ



Straight Pin Versions

| RIGHT-ANGLE              |                      |              |             |                |
|--------------------------|----------------------|--------------|-------------|----------------|
| LEAD STYLE               |                      | SINGLE       | DOUBLE      | TRIPLE         |
| Standard Insertion Force | Low Insertion Force* | (-S)<br>B    | (-D)<br>B   | (-T & -Q)<br>B |
| -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 not available with Tin Plating





Right-angle Versions

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

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View SSQ-114-01-G-D-001-LL on WIN SOURCE](#)
-  [Samtec Inc. Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
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-  Cost Control Management
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