



**THE DATASHEET OF  
SSQ-109-04-G-S-RA**



# 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.

**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

Not Available with single row 1 or 2 positions)

**-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-109-04-G-S-RA on WIN SOURCE](#)
-  [Samtec Inc. Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management