



**THE DATASHEET OF  
SSW-143-21-S-D**



# 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)

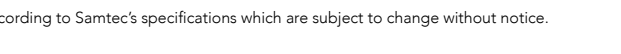
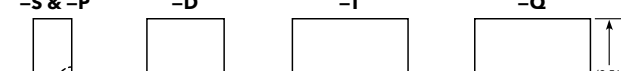
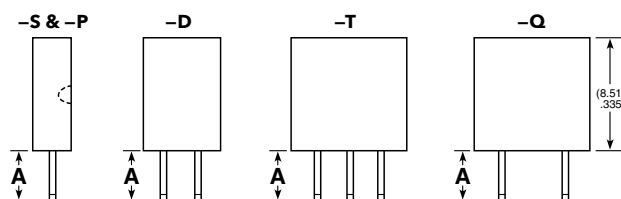
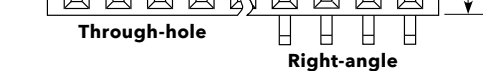
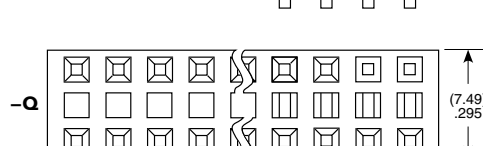
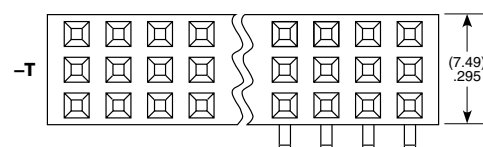
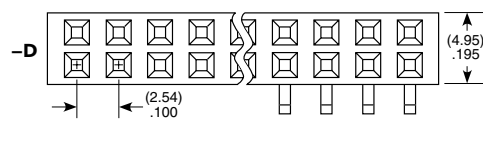
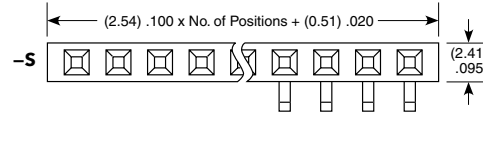
**-LL**  
= Locking Lead

Available on tails from (2.29 mm)

.090" to (7.87 mm)

.310" only.

Not Available with single row 1 or 2 positions)



| 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 SSW



| RIGHT-ANGLE              |                      |              |             |             |
|--------------------------|----------------------|--------------|-------------|-------------|
| LEAD STYLE               |                      | SINGLE       | DOUBLE      | TRIPLE      |
| Standard Insertion Force | Low Insertion Force* | (-S) B       | (-D) B      | (-T & -Q) 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

**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 SSW-143-21-S-D on WIN SOURCE](#)
-  [Samtec Inc. Information](#)

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