



# BOTTOM MOUNT STRIPS BSW SERIES

Mates with:  
TSW, MTSW, MTLW,  
EW, ZW, TSM

## FEATURES

- Bottom mount socket strips accept .025" SQ terminals.
- Ideal for soldering and plugging from the same side of the board.
- For low profile connections and high temperature soldering.

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?BSW](http://www.samtec.com?BSW)

### Insulator Material:

Black High Temperature Thermoplastic



### Insulation Resistance:

5000 MΩ min



### Contact Material:

Phosphor Bronze

### Plating:

Au or Sn over 50µ" (1,27µm) Ni

### Current Rating:

3A

### Operating Temp Range:

-55°C to +125°C with Gold

-55°C to +105°C with Tin

### Withstanding Voltage:

1000 VRMS @ 60 Hz

### Contact Resistance:

10 mΩ max

### Insertion Depth:

(3,68mm) .145" to (6,35mm) .250"

### Insertion Force:

(Single contact only)

(-S plating)

Standard = 8oz (2,23N) avg;

Low Insertion Force = 3oz (0,83N) avg

### Withdrawal Force:

(Single contact only)

(-S plating)

Standard = 8oz (2,23N) avg;

Low Insertion Force = 3oz (0,83N) avg

### Lead-Free Solderable:

Wave only

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

**BSW** - **1**

**NO. PINS PER ROW**

**LEAD STYLE**

**PLATING OPTION**

**ROW OPTION**

**OTHER OPTION**

**02 thru 36**

Row Option	Z
-S*	(4,31) .170
-M	(3,43) .135
-E	(2,54) .100
-D*	(4,32) .170

\*Less (0,38mm) .015" with standoffs

**-04**  
= Standard Lead

**-24**  
= Low Insertion Force

**-G**  
= 20µ" (0,51µm) Gold Contact, Gold Flash Tail

**-S**  
= 30µ" (0,76µm) Gold Contact, Matte Tin Tail

**-T**  
= Matte Tin (N/A with Low Insertion Force)

**-S**  
= Standoffs for single and double rows only.

(-S & -D only)

Row Option	X	Y
-S	(2,54) .100	(5,08) .200
-M	(3,81) .150	(6,35) .250
-E	(4,31) .170	(8,86) .270

Body design may vary slightly from drawing shown.

**-S** = Single Row

**-M** = Single Row More Plug Space

**-E** = Single Row Extended Plug Space

**-D** = Double Row

## APPLICATIONS

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