



(2.54 mm) .100"

BSW SERIES

# BOTTOM MOUNT SOCKET STRIPS

**Mates with:**

TSW, MTSW, HTSW,  
MTLW, TSM, EW, ZW,  
HW, DW, PHT

**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 Thermoplastic  
**Insulation Resistance:**  
5000 MΩ min  
**Contact Material:**  
Phosphor Bronze  
**Plating:**  
Au or Sn over  
50 μ" (1.27 μm) Ni  
**Operating Temp Range:**  
-55 °C to +125 °C with Gold  
-55 °C to +105 °C with Tin  
**Withstanding Voltage:**  
1000 VRMS @ 60 Hz  
**Insertion Depth:**  
(3.68 mm) .145" to  
(6.35 mm) .250"  
**RoHS Compliant:**  
Yes  
**Lead-Free Solderable:**  
Wave only

**RECOGNITIONS**

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



**ALSO AVAILABLE (MOQ Required)**

- Other platings

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

<b>BSW</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>LEAD STYLE</b>	<b>PLATING OPTION</b>	<b>ROW OPTION</b>	<b>OTHER OPTION</b>								
<p><b>02 thru 36</b></p>			<p><b>-04</b> = Standard Lead</p> <p><b>-24</b> = Low Insertion Force</p>	<p><b>-L</b> = 10 μ" (0.25 μm) Gold contact, Matte Tin on tail</p> <p><b>-G</b> = 20 μ" (0.51 μm) Gold contact, Gold Flash on tail</p> <p><b>-T</b> = Matte Tin (N/A with Low Insertion Force)</p>	<p><b>-S</b> = Standoffs for single and double rows only.</p> <p>(-S &amp; -D only)</p>									
<table border="1"> <thead> <tr> <th>Row Option</th> <th>Z</th> </tr> </thead> <tbody> <tr> <td><b>-S*</b></td> <td>(4.31) .170</td> </tr> <tr> <td><b>-M</b></td> <td>(3.43) .135</td> </tr> <tr> <td><b>-D*</b></td> <td>(4.32) .170</td> </tr> </tbody> </table> <p>*Less (0.38 mm) .015" with standoffs</p>			Row Option	Z	<b>-S*</b>	(4.31) .170	<b>-M</b>	(3.43) .135	<b>-D*</b>	(4.32) .170				
Row Option	Z													
<b>-S*</b>	(4.31) .170													
<b>-M</b>	(3.43) .135													
<b>-D*</b>	(4.32) .170													

Row Option	X	Y
<b>-S</b>	(2.54) .100	(5.08) .200
<b>-M</b>	(3.81) .150	(6.35) .250

Body design may vary slightly from drawing shown.

**-S**  
= Single Row

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

**-D**  
= Double Row

**APPLICATIONS**

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

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