



**(0,50 mm) .0197"**

**BSH SERIES**

# BASIC BLADE & BEAM SOCKET

## SPECIFICATIONS

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

**Insulator Material:** Black LCP



**Contact Material:** Phosphor Bronze

**Plating:** Au or Sn over 50µ" (1,27 µm) Ni

**Current Rating:** 1.25A per contact @ 80°C ambient

**Flammability Rating:** UL 94 VO

**Operating Temp Range:** -55°C to +125°C

**Voltage Rating:** 125 VAC

**Max Cycles:** 100

**RoHS Compliant:** Yes

**Processing:** Lead-Free Solderable: Yes

**SMT Lead Coplanarity:** (0,10 mm) .004" max (030-090) (0,15 mm) .006" max (120-150)

**Board Stacking:** For applications requiring more than two connectors per board or 90 positions or higher, contact [ipg@samtec.com](mailto:ipg@samtec.com)

<b>BSH</b>	<b>NO. OF POSITIONS PER ROW</b>	<b>01</b>	<b>PLATING OPTION</b>	<b>D</b>	<b>A</b>	<b>OTHER OPTION</b>
Mates with: BTH		<p><b>-030, -050, -060, -090, -120, -150</b></p>			<p><b>-F</b> = Gold Flash on contact, Matte Tin on tail</p> <p><b>-L</b> = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail</p> <p><b>-C*</b> = Electro-Polished Selective 50µ" (1,27 µm) min Au over 150µ" (3,81 µm) Ni on Signal Pins in contact area, 10µ" (0,25 µm) min Au over 50µ" (1,27 µm) Ni on Ground Plane in contact area, Matte Tin over 50µ" (1,27 µm) min Ni on all solder tails</p>	
				<p><b>AGILENT LOGIC ANALYZER TEST POINT CONNECTOR</b> Specify: ASP-65067-01</p>		

## MATED HEIGHT

LEAD STYLE	MATED HEIGHT*
-01	(5,00) .197

\*Processing conditions will affect mated height.

<b>BSH</b>	<b>NO. OF POSITIONS PER ROW</b>	<b>01</b>	<b>PLATING OPTION</b>	<b>D</b>	<b>RA</b>	<b>WT</b>	<b>OTHER OPTION</b>
Mates with: BTH		<p><b>-030, -060, -090</b></p>			<p><b>-F</b> = Gold Flash on contact, Matte Tin on tail</p> <p><b>-L</b> = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail</p>		<p><b>-GP</b> = Guide Post</p>
		<p><b>APPLICATION SPECIFIC</b></p> <ul style="list-style-type: none"> <li>• 30µ" (0,76 µm) Gold</li> <li>• Edge Mount Capability</li> <li>• 8 mm, 11 mm, 16 mm, 19 mm and 22 mm Stack Height (Caution: Some automatic placement/inspection machines may have component height restrictions. Please consult machinery specifications.) (11 mm, 16 mm, 19 mm and 22 mm not available with 50 positions)</li> </ul> <p>Call Samtec.</p> <p><b>*Note:</b> -C Plating passes 10 year MFG testing</p> <p><b>Note:</b> Some lengths, styles and options are non-standard, non-returnable.</p>					

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

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