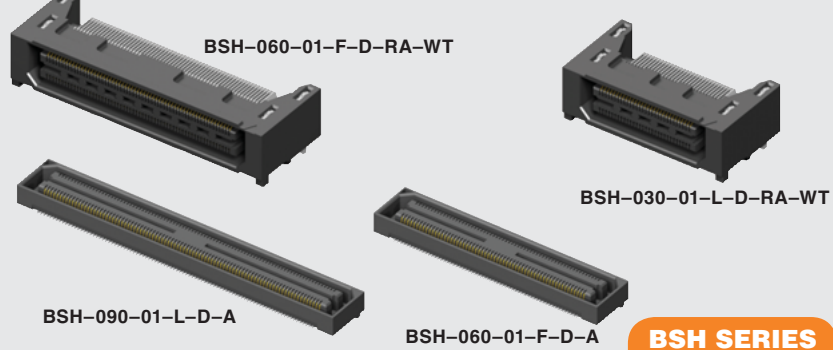


(0,50 mm) .0197"

**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:** 2 A per pin (1 pin powered per row)

**Flammability Rating:** UL 94 VO

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

**Voltage Rating:** 275 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)

## RECOGNITIONS

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



## MATED HEIGHT

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

\*Processing conditions will affect mated height.

## ALSO AVAILABLE (MOQ Required)

- 30µ" (0,76 µm) Gold
- Edge Mount Capability
- 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)

Contact Samtec.

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

| BSH                | NO. OF POSITIONS PER ROW | 01                                               | PLATING OPTION | D | A | OTHER OPTION                                                                                                                                                                                                                                                                                                                                                                               |                                                                 |
|--------------------|--------------------------|--------------------------------------------------|----------------|---|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| Mates with:<br>BTH |                          | <p><b>-030, -050, -060, -090, -120, -150</b></p> |                |   |   | <p><b>-F</b><br/>= Gold Flash on contact, Matte Tin on tail</p> <p><b>-L</b><br/>= 10µ" (0,25 µm) Gold on contact, Matte Tin on tail</p> <p><b>-C*</b><br/>= Electro-Polished Selective<br/>50µ" (1,27 µm) min Au over 150µ" (3,81 µm) Ni on Signal Pins in contact area, Matte Tin over 50µ" (1,27 µm) min Ni on all solder tails</p> <p>*Note: -C Plating passes 10 year MFG testing</p> | <p><b>-TR</b><br/>= Tape &amp; Reel (120 positions maximum)</p> |

## AGILENT LOGIC ANALYZER TEST POINT CONNECTOR

Specify: ASP-65067-01

| BSH                | NO. OF POSITIONS PER ROW | 01                             | PLATING OPTION | D | RA | WT                                                                                                                                       | OTHER OPTION                       |
|--------------------|--------------------------|--------------------------------|----------------|---|----|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Mates with:<br>BTH |                          | <p><b>-030, -060, -090</b></p> |                |   |    | <p><b>-F</b><br/>= Gold Flash on contact, Matte Tin on tail</p> <p><b>-L</b><br/>= 10µ" (0,25 µm) Gold on contact, Matte Tin on tail</p> | <p><b>-GP</b><br/>= Guide Post</p> |