



(0,635 mm) .025"

BTS, BSS SERIES

# BASIC BLADE & BEAM HEADER & SOCKET

## SPECIFICATIONS

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

### Insulator Material:

Liquid Crystal  
Polymer



### Terminal Material (BTS):

Phosphor Bronze

### Contact Material (BSS):

Phosphor Bronze

### Plating:

Au or Sn over

50µ" (1,27 µm) Ni

### Current Rating:

1.6A per contact

@ 80°C ambient

### Operating Temp Range:

-55°C to +125°C

### RoHS Compliant:

Yes

### Processing:

Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0,10 mm) .004" max

### Board Stacking:

For applications requiring more than two connectors per board or 100 positions or higher, contact [ipg@samtec.com](mailto:ipg@samtec.com)

<b>BTS</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: BSS						
-025, -050, -075, -100, -125, -150						
<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>-K</b> = (7,00 mm) .275" DIA Polyimide Film Pick &amp; Place Pad</p> <p><b>-TR</b> = Tape &amp; Reel (-100 positions maximum)</p> <p><b>Note:</b> Other Gold plating options available. Contact Samtec.</p>						



## MATED HEIGHT

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

\*Processing conditions will affect mated height.

<b>BSS</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: BTS						
-025, -050, -075, -100, -125, -150						
<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>-TR</b> = Tape &amp; Reel (-100 positions maximum)</p> <p><b>Note:</b> Other Gold plating options available. Contact Samtec.</p>						

## APPLICATION SPECIFIC OPTION

30µ" (0,76 µm) Gold available. Call Samtec.

## EDGE MOUNT CAPABILITY



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

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

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