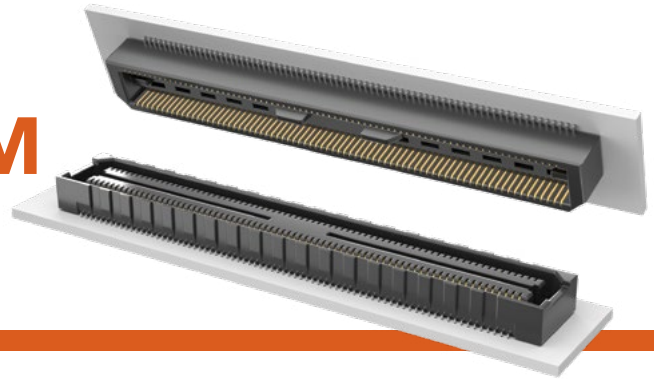


# BASIC BLADE & BEAM HEADER & SOCKET

(0.635 mm) .025" PITCH • BTS/BSS SERIES



**BTS**  
Mates:  
BSS

**BSS**  
Mates:  
BTS

## SPECIFICATIONS

**Insulator Material:**  
Liquid Crystal Polymer  
**Terminal Material:**  
Phosphor Bronze  
**Contact Material:**  
Phosphor Bronze  
**Plating:**  
Au or Sn over 50 μ" (1.27 μm) Ni  
**Current Rating:**  
1.8 A per pin  
(2 pins powered)  
**Operating Temp Range:**  
-55 °C to +125 °C

## 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

## ALSO AVAILABLE

MOQ Required

30 μ" (0.76 μm) Gold  
Other platings  
Other positions

## MATED HEIGHT

LEAD STYLE	MATED HEIGHT*
-01	(5.00 mm) .197"

\*Processing conditions will affect mated height.



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

<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>
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-025, -050,  
-075, -100

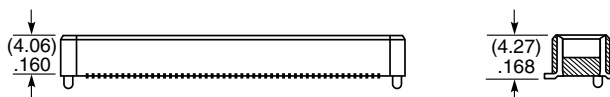
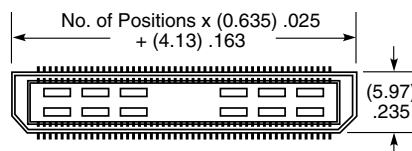
**-F**  
= Gold Flash on contact, Matte Tin on tail

**-L**  
= 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail

**-K**  
= (7.00 mm) .275" DIA Polyimide Film Pick & Place Pad

**-TR**  
= Tape & Reel (-100 positions max.)

**-FR**  
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (-100 positions max.)



<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>
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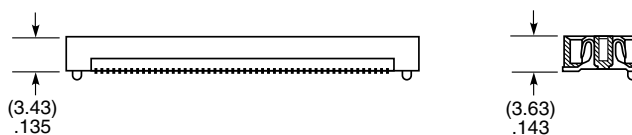
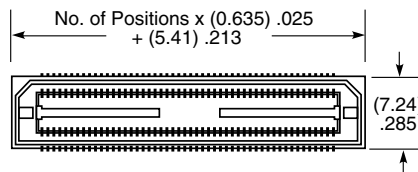
-025, -050,  
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**-F**  
= Gold Flash on contact, Matte Tin on tail

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= Tape & Reel (-100 positions maximum)

**-FR**  
= Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) (-100 positions maximum)



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