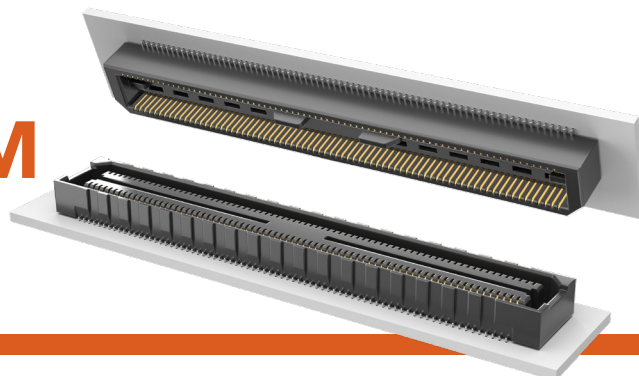


# BASIC BLADE & BEAM HEADER & SOCKET

(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  $\mu$ " (1.27  $\mu$ m) Ni  
**Operating Temp Range:**  
-55 °C to +125 °C  
**Current Rating:**  
1.8 A per pin  
(2 pins powered)

## 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)

## ALSO AVAILABLE

Contact Samtec

30  $\mu$ " (0.76  $\mu$ m) Gold  
Other platings  
Other positions

## MATED HEIGHT

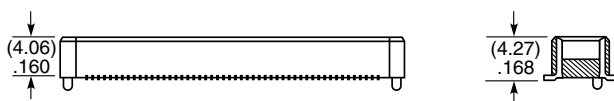
| LEAD STYLE | MATED HEIGHT*   |
|------------|-----------------|
| -01        | (5.00 mm) .197" |

\*Processing conditions will affect mated height.



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

| BTS | NO. OF POSITIONS PER ROW | 01 | PLATING OPTION                                                                                                               | D | A | OTHER OPTION                                                                                                                                                                                                                                      |
|-----|--------------------------|----|------------------------------------------------------------------------------------------------------------------------------|---|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | -025, -050, -075, -100   |    | -F<br>= Gold Flash on contact, Matte Tin on tail<br><br>-L<br>= 10 $\mu$ " (0.25 $\mu$ m) Gold on contact, Matte Tin on tail |   |   | -K<br>= (7.00 mm) .275" DIA Polyimide Film Pick & Place Pad<br><br>-TR<br>= Tape & Reel (~100 positions max.)<br><br>-FR<br>= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (~100 positions max.) |



| BSS | NO. OF POSITIONS PER ROW | 01 | PLATING OPTION                                                                                                               | D | A | OTHER OPTION                                                                                                                                                                            |
|-----|--------------------------|----|------------------------------------------------------------------------------------------------------------------------------|---|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | -025, -050, -075, -100   |    | -F<br>= Gold Flash on contact, Matte Tin on tail<br><br>-L<br>= 10 $\mu$ " (0.25 $\mu$ m) Gold on contact, Matte Tin on tail |   |   | -TR<br>= Tape & Reel (~100 positions maximum)<br><br>-FR<br>= Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) (~100 positions maximum) |

