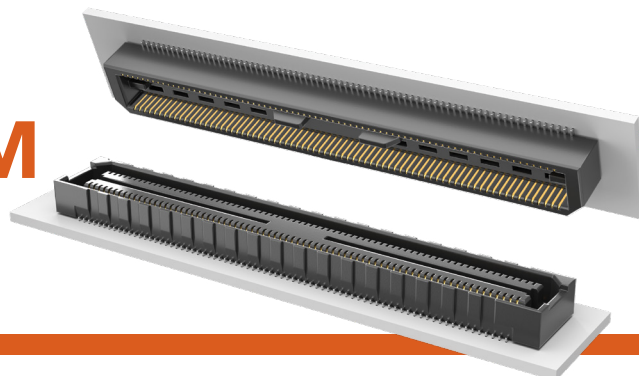


# BASIC BLADE & BEAM HEADER & SOCKET

(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

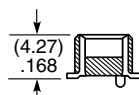
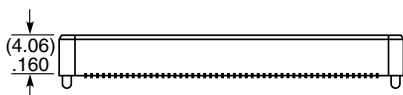
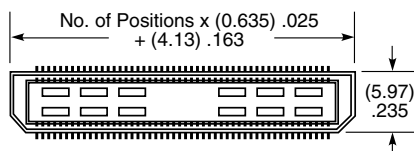
-F  
= Gold Flash on contact,  
Matte Tin on tail

-L  
= 10  $\mu$ " (0.25  $\mu$ m)  
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.)



| BSS | NO. OF POSITIONS PER ROW | 01 | PLATING OPTION | D | A | OTHER OPTION |
|-----|--------------------------|----|----------------|---|---|--------------|
|-----|--------------------------|----|----------------|---|---|--------------|

-025, -050,  
-075, -100

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

-L  
= 10  $\mu$ " (0.25  $\mu$ m)  
Gold on contact,  
Matte Tin on tail

-TR  
= Tape & Reel  
(-100 positions maximum)

-FR  
= Full Reel  
Tape & Reel  
(must order maximum  
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