

BASIC BLADE & BEAM HEADER & SOCKET

(0.80 mm) .0315" PITCH • BTE/BSE SERIES



BTE
Mates:
BSE

BSE
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BTE

SPECIFICATIONS

Insulator Material:
Liquid Crystal Polymer
Contact Material:
Phosphor Bronze
Plating:
Au or Sn over 50 µ" (1.27 µm) Ni
Operating Temp Range:
-55 °C to +125 °C
Current Rating:
2 A per pin
(2 pins powered)
Voltage Rating:
225 VAC/318 VDC
Max Cycles:
100

PROCESSING

Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
(0.10 mm) .004" max (020-080)
(0.15 mm) .006" max (100-120)*
*(.004" stencil solution
may be available; contact
ipg@samtec.com)
Board Stacking:
For applications requiring more
than two connectors per board
or 80 positions or higher,
contact ipg@samtec.com

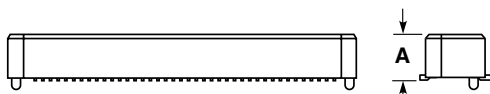
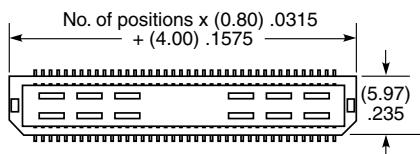
ALSO AVAILABLE Contact Samtec

30 µ" (0.76 µm) Gold
Edge Mount Capability
Friction Lock option
11 mm, 14 mm, 16.10 mm,
19.10 mm, 22 mm, 25 mm
and 30 mm Stack
Height (Caution: Some
automatic placement/
inspection machines may
have component height
restrictions. Please consult
machinery specifications.)



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

BTE	NO. OF POSITIONS PER ROW	LEAD STYLE	PLATING OPTION	D	A	OTHER OPTION
	-020, -040, -060, -080, -100, -120	Specify LEAD STYLE from chart	-F = Gold Flash on contact, Matte Tin on tail -L = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail -C* = Electro-Polished Selective 50 µ" (1.27 µm) min Au over 150 µ" (3.81 µm) Ni on Signal Pins in contact area, Matte Tin over 50 µ" (1.27 µm) min Ni on all solder tails (*-C Plating passes 10 year MFG testing)			-K = (7.00 mm) .275" DIA Polyimide Film Pick & Place Pad -TR = Tape & Reel (80 positions maximum) -FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) (80 positions maximum)



LEAD STYLE	A
-01	(4.27) .168
-02	(7.21) .284

MATED HEIGHT

LEAD STYLE	MATED HEIGHT*
-01	(5.00 mm) .197"
-02	(8.00 mm) .315"

*Processing conditions
will affect mated height.

BSE	NO. OF POSITIONS PER ROW	01	PLATING OPTION	D	A	OTHER OPTION
	-020, -040, -060, -080, -100, -120		-F = Gold Flash on contact, Matte Tin on tail -L = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail -C* = Electro-Polished Selective 50 µ" (1.27 µm) min Au over 150 µ" (3.81 µm) Ni on Signal Pins in contact area, Matte Tin over 50 µ" (1.27 µm) min Ni on all solder tails (*-C Plating passes 10 year MFG testing)			-TR = Tape & Reel (80 positions maximum) -FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) (80 positions maximum)

