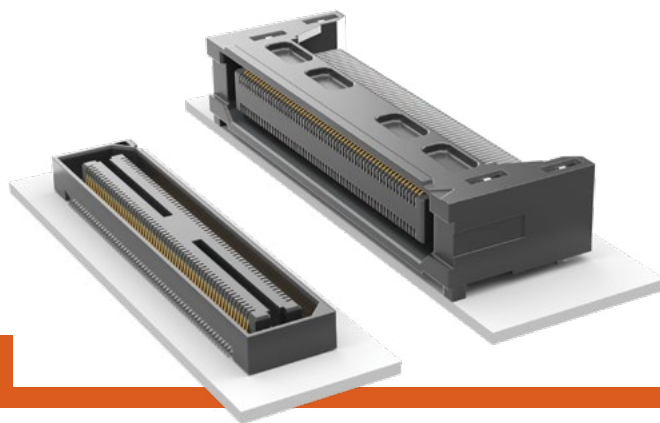


BASIC BLADE & BEAM SOCKET

(0.50 mm) .0197" PITCH • BSH SERIES



BSH
Mates:
BTH

SPECIFICATIONS

Insulator Material:
Black LCP
Contact Material:
Phosphor Bronze
Plating:
Au or Sn over
50 μ " (1.27 μ m) Ni
Current Rating:
2 A per pin
(2 pins powered)
Operating Temp Range:
-55 °C to +125 °C
Voltage Rating:
175 VAC
Max Cycles:
100

PROCESSING

Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
(0.10 mm) .004" max (030-090)
(0.15 mm) .006" max (120-150)*
*(.004" stencil solution
may be available; contact
ipg@samtec.com)
Board Stacking:
For applications requiring more
than two connectors per board
or 90 positions or higher,
contact ipg@samtec.com

BSH	NO. OF POSITIONS PER ROW	01	PLATING OPTION	D	A	OTHER OPTION
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-030, -050, -060,
-090, -120, -150

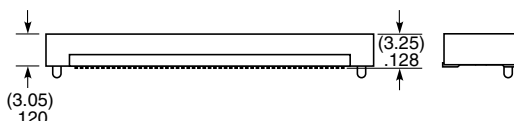
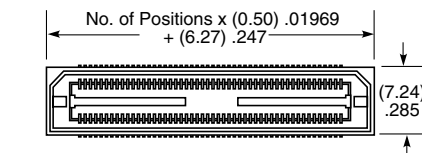
-F
= Gold Flash
on contact,
Matte Tin on tail

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

-C*
= Electro-Polished
Selective
50 μ " (1.27 μ m) min
Au over 150 μ " (3.81 μ m)
Ni on Signal Pins in
contact area,
Matte Tin over
50 μ " (1.27 μ m) min
Ni on all solder tails
(*C Plating passes
10 year MFG testing)

-TR
= Tape & Reel
(120 positions
maximum)

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



MATED HEIGHT

LEAD STYLE	MATED HEIGHT*
-01	(5.00 mm) .1971"

*Processing conditions
will affect mated height.

BSH	NO. OF POSITIONS PER ROW	01	PLATING OPTION	D	RA	WT	OTHER OPTION
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-030, -060, -090

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

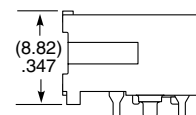
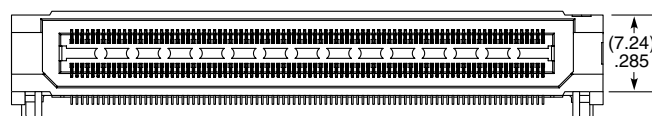
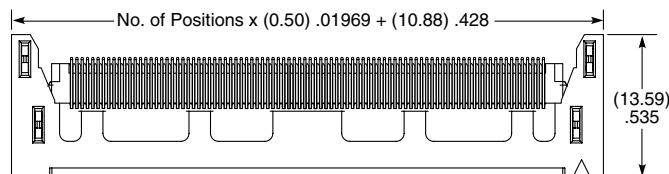
-L
= 10 μ " (0.25 μ m)
Gold on contact,
Matte Tin on tail

-GP
= Guide
Post

ALSO AVAILABLE

MOQ Required

30 μ " (0.76 μ m) Gold
Edge Mount Capability
8 mm, 11 mm, 16 mm, 19 mm
and 22 mm Stack Height
(Caution: Some automatic
placement/inspection
machines may have
component height
restrictions. Please consult
machinery specifications.)
(11 mm, 16 mm, 19 mm
and 22 mm not available
with 50 positions)



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