



BTH-150-01-F-D-A



(0,50mm) .01969"

BTH SERIES

BASIC BLADE & BEAM HEADER

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?BTH

Insulator Material: Black LCP



Contact Material: Phosphor Bronze

Plating: Au or Sn over 50µ" (1,27µm) Ni

Current Rating: 1.25A @ 80°C ambient

Flammability Rating: UL 94 V0

Operating Temp Range: -55°C to +125°C

Voltage Rating: 125 VAC

Max Cycles: 100

RoHS Compliant: Yes

Processing: Lead-Free Solderable: Yes

SMT Lead Coplanarity: Vertical=(0,10mm)

.004" max (030-090)

Vertical=(0,15mm)

.006" max (120-150)

Right Angle=(0,15mm)

.006" max (030-090)

Board Stacking:

For applications requiring more than two connectors per board or 90 positions or higher, contact ipg@samtec.com

BTH	NO. OF POSITIONS PER ROW	01	PLATING OPTION	D	A	OTHER OPTION	
Mates with: BSH		<p>-030, -050, -060, -090, -120, -150</p>			<p>-F = Gold Flash on contact, Matte Tin on tail</p> <p>-L = 10µ" (0,25µm) Gold on contact, Matte Tin on tail</p> <p>-C* = Electro-Polished Selective 50µ" (1,27µm) min Au over 150µ" (3,81µm) Ni on Signal Pins in contact area, 10µ" (0,25µm) min Au over 50µ" (1,27µm) Ni on Ground Plane in contact area, Matte Tin over 50µ" (1,27µm) min Ni on all solder tails</p>		<p>-K = (7,00mm) .276" DIA Polyimide Film Pick & Place Pad</p> <p>-TR = Tape & Reel (120 positions maximum)</p>



• Passes 10 year MFG

MATED HEIGHT

LEAD STYLE	MATED HEIGHT*
-01	(5,00) .197

*Processing conditions will affect mated height.

BTH	NO. OF POSITIONS PER ROW	01	PLATING OPTION	D	RA	WT	OTHER OPTION
Mates with: BSH		<p>-030, -060, -090</p>			<p>-F = Gold Flash on contact, Matte Tin on tail</p> <p>-L = 10µ" (0,25µm) Gold on contact, Matte Tin on tail</p>		<p>-K = (7,00mm) .276" DIA Polyimide Film Pick & Place Pad</p>

APPLICATION SPECIFIC

- 30µ" (0,76µm) Gold
 - Edge Mount Capability
 - 8mm, 11mm, 16mm, 19mm and 22mm Stack Height (Caution: Some automatic placement/inspection machines may have component height restrictions. Please consult machinery specifications.) (11mm, 16mm, 19mm and 22mm not available with 50 positions)
- Call Samtec.

*Note: -C Plating passes 10 year MFG testing

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

Due to technical progress, all designs, specifications and components are subject to change without notice.

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