

# Header BTB G825® 2.0mm Pitch Plug

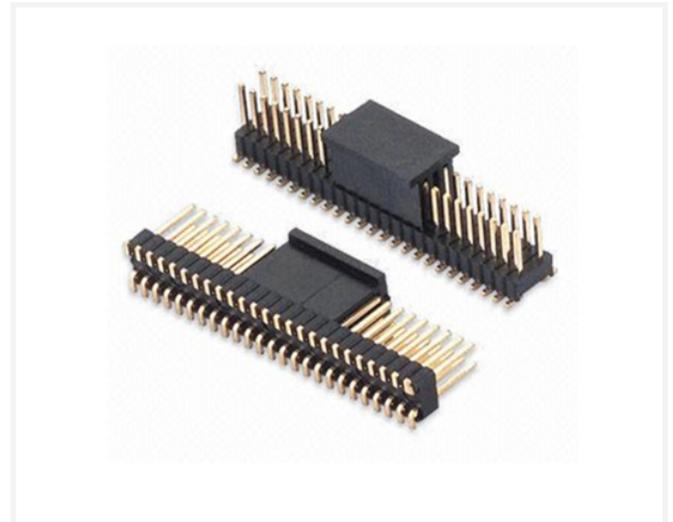
## CUSTOMIZABLE UNSHROUDED BOARD-TO-BOARD HEADERS

Header BTB G825® 2.0mm pitch plug offers a cost-effective solution with a flexible structure and 1 to 4 A current rating. These headers from Amphenol ICC can be customized to meet various customer requirements. It comes in customizable pin length, including contact pin and solder tail, which makes it an ideal choice for several applications and specific designs. These headers also make it easier to choose from different board mounting configurations as it supports various mounting options including vertical DIP, right angle DIP, vertical SMT and right angle SMT.

- Flexible and easy to change pin lengths to meet various application requirements
- Cost-effective
- Suitable for both wire-to-board and board-to-board application
- Supports PIP process
- Easy pin insertion and high retention force onto PCB

### FEATURES

- Customizable pin length, including contact pin and solder tail
- Various mounting options including vertical dip, right angle dip, vertical SMT and right angle SMT
- High temperature thermoplastic material
- Tape and reel packaging option
- Flexible structure
- Available in gold flash, 15u" gold, 30u" gold or tin plating
- RoHS compliance and Halogen Free
- Provide longer pin wipe



### TARGET MARKETS



### BENEFITS

- Suitable for different application and specific designs
- Ease in choosing board mating configurations
- Reflow compatible
- Supports PIP process
- Customizable and cost efficient
- Enhanced reliability and price flexibility
- Meets environmental, health and safety requirements
- Ensures reliable contacts

### TECHNICAL INFORMATION

#### MATERIAL

- Glass-fiber reinforced thermoplastic or the other high temperature thermoplastic, UL94V-0
- Contacts: Copper Alloy, selective gold plating on contact area, gold flash or matte tin plating on solder tail and nickel plating under-plated overall

#### ELECTRICAL PERFORMANCE

- Current rating: 1.5Amps
- Voltage rating: 250V DC
- Temperature: -25°C to +85°C
- Contact retention: Initial- 20mΩ max., after environmental test- 30mΩ max.
- Insulation resistance: 1000MΩ min.

#### MECHANICAL PERFORMANCE

- Contact retention: 0.6Kgf min.
- Durability: contact resistance shall be 30mΩ max. for 300 cycles

#### SPECIFICATION

- Amphenol product specification: PS-7501

#### ENVIRONMENTAL

- EIA 364-31 method III test condition A
- Temperature: 25°C to 65°C
- Humidity: 90% to 95% RH
- Period: 96 hours

#### PACKAGING

- Tape and reel
- Bag

#### TARGET MARKETS/APPLICATIONS



Communications



Portable device



Mother board  
Riser card  
Signal transmission



POS  
Smart meter  
Control board



Medical

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