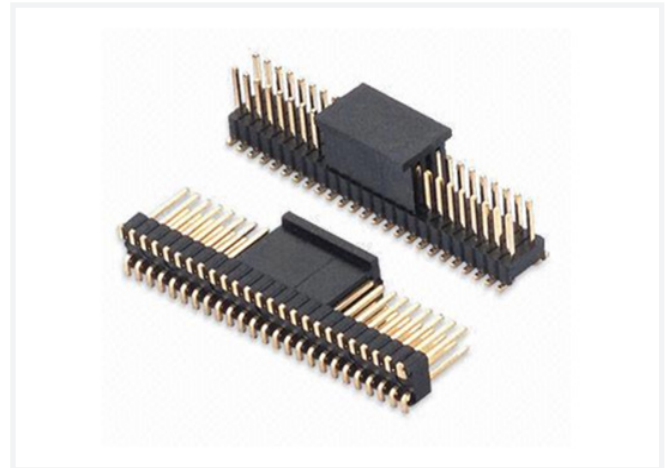


AgilBrick™ 1.27mm Board-to-Board Header G802 Series

CUSTOMIZABLE UNSHROUDED BOARD-TO-BOARD HEADERS

AgilBrick™ 1.27mm Board-to-Board Header G802 Series 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 makes 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



TARGET MARKETS



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
- Uses high temperature plastic
- Tape & 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

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: 1A-4A AC/DC
- Voltage rating: 30 VAC
- Temperature: -40°C to +85°C
- Contact retention: Initial- 30mΩ max., after environmental test- 50mΩ max.
- Insulation resistance: 500VDC

MECHANICAL PERFORMANCE

- Durability: Contact resistance shall be 50mΩ for 25 cycles max.
- Insertion force: 35N max.
- Withdrawal force: 15N min.

APPROVALS & CERTIFICATION

- UL

SPECIFICATION

- Amphenol product specification: PS-7513

ENVIRONMENTAL

- EIA-364-17 test condition 4 method A
- Temperature: 105°C
- Period: 120 hours

PACKAGING

- Tape and reel
- Bag

TARGET MARKETS/APPLICATIONS



Communications



Portable device



Mother board
Riser card
Signal transmission



POS
Smart meter
Control board



Medical