



# Connectors

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## B6A-PCB Printed Circuit Board Mounted Connector

The "foot" is designed to be inserted into a slot in the printed circuit board. The connector can be used on .06" or .09" thick boards (foot is .10" high). Wave solderable.

1. Material is 6061 aluminum, which is triple plated for guaranteed solderability.
2. Aluminum has excellent heat dissipation characteristics.
3. Aluminum has low thermal mass, which is compatible with wave soldering.
4. Plating comprises: Tin bath dip on nickel on zinc.
5. Solderability testing can be set up to any special requirements can be offered.
6. Parts can be supplied with or without screws.
7. UL / CSA testing, if required, can be offered.
8. B6A-PCB is AWG 6. Connectors with AWG 2 capacity (B2A-PCB ) and larger can be quoted.
9. Typical wire retaining screw torque for a 12-32 screw is 20 inch-pounds.
10. Typical torque applied by an AWG 6 stranded wire when forcibly bent while attached to a B6A-PCB is under 10 inch-pounds.
11. Other connectors can be custom made to meet customer specifications.
12. Operating limits for a typical customer application have been tested at: -90 C to +95 C . 6 axis vibration test at 20 C 45 grams.

Customers should fully investigate the soldered interface with their PC board for adequate strength including (but not limited to) analysis of effects at anticipated operating temperatures, weight of hanging wires on creep strength, number of torque cycles on wire retention screw and thermal cycling effects on soldered interface. While standard property data and test data can be provided, no responsibility whatsoever will be taken for the mounted connector. IHI will however supply parts in accordance with agreed dimensions and specifications. Depending on long-term storage conditions, solderability may be reduced over time.

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