

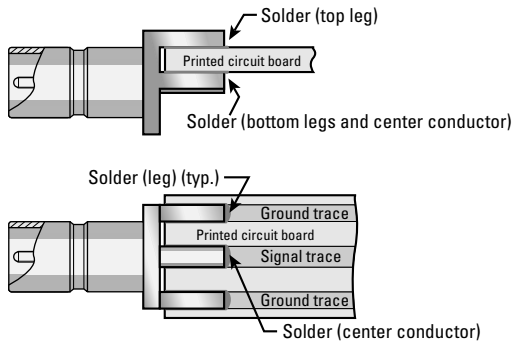
Miniature 75Ω SMB Edge Mount P.C. Board Receptacles

AEP miniature 75Ω SMB edge-mount P.C. board receptacles offer quick, convenient assembly with no board drilling required, and can replace more expensive right-angle types in many applications. These connectors utilize a reduced contact diameter and air dielectric to achieve 75Ω impedance in a compact size equivalent to SMB series connectors. This makes them ideal for use in applications requiring dense packaging.

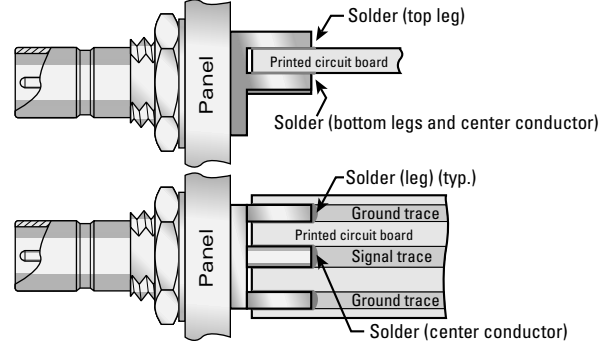
Gold plating is standard, but other body finishes are available. These edge-mount types can be supplied quickly for any board thickness up to .062" maximum; connectors for thicker boards can be supplied by special order.

How they work:

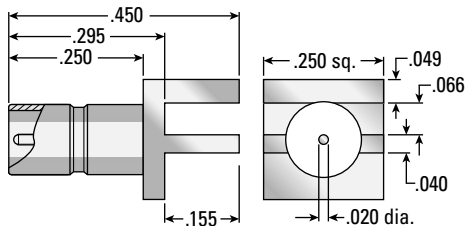
Edge Mount Jack



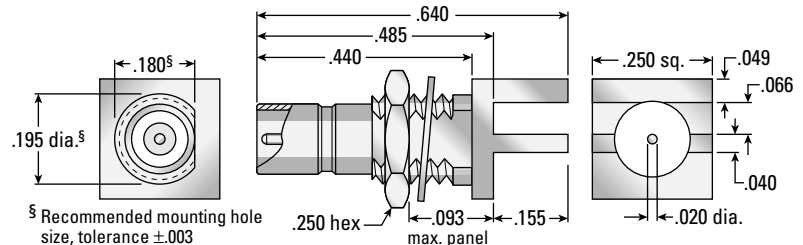
Edge Mount Bulkhead Jack



Ordering Information



Edge Mount Jack
P/N 8809-1511-002



Edge Mount Bulkhead Jack
P/N 8808-1511-001

Specifications (MIL-PRF-39012 as applicable)

Materials:

Body components, male contacts:

Brass per ASTM B16, alloy 360, 1/2 hard.

Insulators: Teflon TFE per ASTM D1710.

Finish:

Center contacts: Gold plated per current revision of MIL-PRF-39012*

Other metal parts: Gold or nickel plated to meet current MIL-PRF-39012 corrosion requirements.*

Mechanical:

Force to engage: 14 pounds max.

Contact retention: 2 pounds min axial force.

Durability: 500 mating cycles.

Environmental (MIL-STD-202):

Temperature range: -65° C to +165° C.

Corrosion: Method 101, condition B, 5% salt solution.

Vibration (Method 204): Condition B.

Mechanical shock (Method 213): Condition B.

Thermal shock (Method 107): Condition B.

Electrical:

Impedance: 75Ω.

Frequency range: DC–4 GHz.

Insulation Resistance: 1,000 megohms minimum.

Voltage Rating: 250VRMS @ sea level (RG-178 cable);
335VRMS @ sea level (RG-316 cable).

Dielectric Withstanding Voltage:

750VRMS @ sea level (RG-178 cable);

1000VRMS @ sea level (RG-316 cable).

Contact Resistance:

Initial: 6 milliohms maximum; after environmental test conditions: 8 milliohms maximum.

Corona level: 125V @70,000 ft.

RF highpot: 400 VRMS @ 5 MHz.

RF leakage: -55 dB min @ 2–3 GHz.

Insertion loss: .30 dB max @ 1.5 GHz.

*These specifications change periodically with updates to MIL-PRF-39012 requirements. Contact factory for latest specifications.



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