

Amphenol Aerospace Press Fit Connectors for Printed Circuit Board Applications

Press Fit

Amphenol manufactures a complete series of MIL-DTL-38999 Series I, II, and III Connectors with Press Fit compliant pin contacts for solderless mounting on printed circuit boards. Both pin and socket contacts are available in any MIL-DTL-38999 Series I, II or III insert pattern having contact size 16, 20 or 22D. Available in Mil-Spec and custom shell configurations.

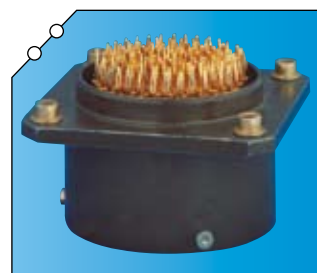
Request the following catalogs for insert and shell style availability information:

- 12-092, Amphenol® Tri-Start Subminiature Circular Connectors (MIL-DTL-38999 Series III)
- 12-090, Amphenol® JT/LJT Subminiature Circular Connectors (MIL-DTL-38999 Series I and II)

Benefits include:

- High speed, low cost board assembly
- Elimination of soldering thermal stress
- No cold soldered joints
- No short circuits by soldered connections
- No cleaning of excess flux
- Optional contact for piercing conformal board coating is available

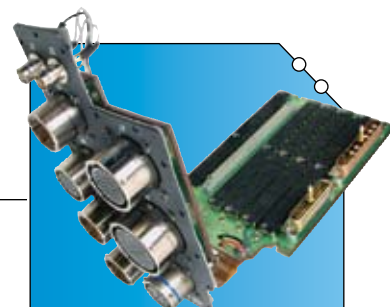
Press fit connectors accommodate boards with minimum 0.090 inch thickness and 0.040 +/- .003 plated through holes. The insertion force for mounting the connector on the board is 7 to 16 pounds per contact. Refer to L-40450-207 for installation instructions. Contact Amphenol Aerospace for ordering information.



Amphenol Press Fit Connectors for Solderless mounting on printed circuit boards.

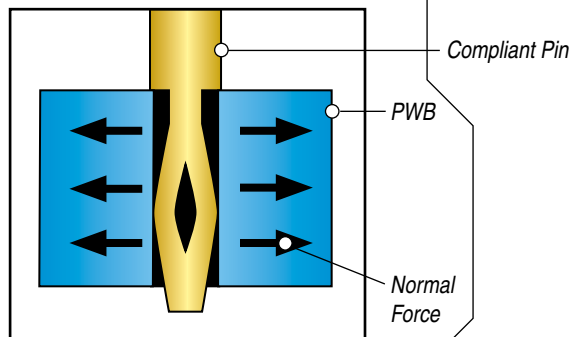
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Press Fit Connectors on Printed Circuit Board



Amphenol Press Fit Contact Technology

- Beryllium copper tail, heat treated to spring hardness
- The compliant eye is a natural 2 beam spring
- The eye is oversized relative to the plated through hole and is compressed upon insertion
- After insertion the spring exerts a normal force on the hole creating an electrical path via a tight friction fit



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