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 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

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors. AMPHENOL is a registered trademark of Amphenol Corporation.

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