Fiber Optic Active Plug

Consult your local Amphenol sales office for further information.

APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
Electro-optic transmission within MIL-DTL-38999 Series III connectors or within MIL-C-26482 Series 2 connectors. Accepts DC inputs, converts to optical and couples to an optical connector/ cable interface. One interface transmits; a second interface receives. The user sees an electrical interface, not an optical.	MIL-C-38999 Series III type or MIL-C-26482 Series 2 type.	MIL-DTL-38999 types are threaded coupling; MIL-C-26482 types are bayonet coupling.	Available in 1 or 2 channels with multi-mode termini.	Operating temp. from –45°C to +85°C. IP68 rating when mated for environmental sealing.

OPTIONAL FEATURES

- Duplex single mode operation using WDM is available.

MARKETS

- Communications
- Trucking
- Railway
- Offshore

Advanced Fiber Optic Connector with Captivated Alignment Sleeves

Reference Catalog 12-352

APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
An advanced design of the MIL-DTL-38999 Series III fiber optic connector with the feature of an insert with captivated sleeves which facilitates cleaning of socket termini. The special insert can be incorporated into either the plug or the receptacle.	Meets or exceeds MIL-DTL-38999 Series III standards.	Threaded coupling. Intermateable and intermountable with MIL-DTL-38999 standard fiber optic connectors.	Dedicated to fiber optic termini only; will not accept copper contacts.	Operating temp. from –55°C to +200°C. Connector performances consistent with MIL-DTL-38999 Series III. (See Subminiature Cylindrical section). Typical insertion losses range from 0.3 dB to 1.0 dB.

OPTIONAL FEATURES

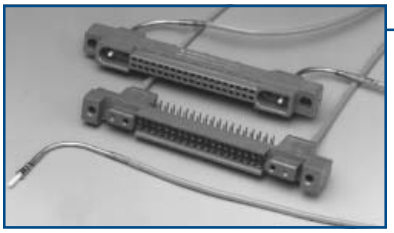
- Available in aluminum, stainless steel and composite shells.

MARKETS

- Military Aerospace
- Military Vehicles
- Communications
- Commercial Aircraft
- Medical Equipment

Fiber Optics and Brush Contacts within PCB Rectangular Connectors

Reference Catalog 12-352
Reference Catalog 12-035



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
Fiber optic transmission combined with low mating force Brush contacts within printed circuit board rectangular connectors. High circuit count capability.	Hybrid combinations of contacts within MIL-C-55302 rectangular connectors.	For mounting to printed circuit boards. Polarization keys provide up to 256 possible positions.	Fiber optics can be combined with Brush contacts in 2, 3 and 4 rows configurations with 10 to 100 contacts per row.	Operating temp. from –55°C to +125°C. Connector bodies are high performance glass-filled thermoplastic moldings. Amphenol rectangular PCB connectors typically house Bristle Brush contacts which provide low mating and unmating force advantages - 70% to 90% lower than with conventional pin and socket. (For other advantages of Brush contacts see Rectangular PCB Connectors). Optical performances of fiber optic termini are the same as termini used in multi-channel cylindrical connectors. (See page 36).

OPTIONAL FEATURES

- Mother Board, Daughter Board, Input/Output and PC styles are offered in Low Mating Force Rectangular Connectors. (See Rectangular section).
- Hybrid arrangements with fiber optic termini, Brush contacts, power contacts and coaxial or twinax contacts are available.

(See Rectangular Printed Circuit Board section for more information on LRM connectors and Brush contacts).

MARKETS

- Communications
- Test Equipment
- Factory Automation