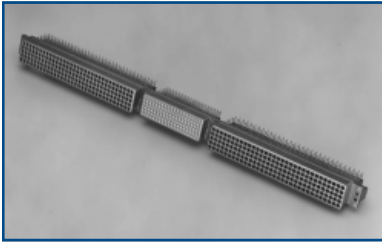


Rectangular Printed Circuit Board Interconnects, cont.

Ruggedized VME64-X Connectors

Consult your local Amphenol sales office for further information.



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION/ ARRANGEMENTS	PERFORMANCE ENVIRON./ELECT.
High density modular and backplane connectors for attachment to VME64X printed circuit boards. Designed to meet the needs for a more ruggedized interconnect for harsh environments requiring Level 2 maintenance.	Metal shells, ESD protection, a robust contact system, and high data rate compatibility for electrical and optical interface makes this a superior choice for VME64X interconnection.	Mount to standard VME64X cards and backplanes, but do not mate to other types of VME commercial connectors.	3 module inserts can have different combinations: <ul style="list-style-type: none"> • P1, P2 and 2mm electrical P0 • P1 and P2 combination • P1, P2 and fiber optic MT ferrules in the P0 position. 	Operating temp. from -65°C to +125°C. Connectors have metal shells that unify the dielectric inserts and create a faraday cage around the contacts, preventing ESD (Electrostatic Discharge) into the contacts.

OPTIONAL FEATURES

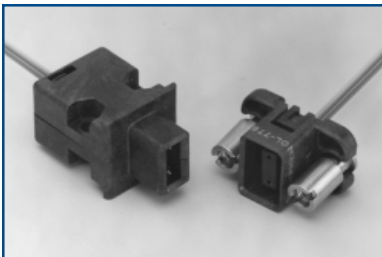
- Designed to customer specifications.

MARKETS

- Military and Commercial Aviation
- Military Vehicles
- GPS Systems

VME P0/J0 MT Connectors with Fiber Optics

Consult your local Amphenol sales office for further information.



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION/ ARRANGEMENTS	PERFORMANCE ENVIRON./ELECT.
For attachment to VME-64X printed circuit board and cards where fiber optics is required. Used in place of P0/J0 electrical applicable connectors.	Tested to IEEE 1156.1-1993 paragraphs.	Mount to standard VME64X cards and backplanes in the P0/J0 location.	Uses fiber optic "MT" ferrules in the P0/J0 location.	Operating temp. from -55°C to +125°C. Shock: 100g, 6ms, 1/2 sine, 18 pulses Shock: 30g, 6ms, 1/2 sine, 18 pulses Sine Vibration: 10g, 40 min/axis, 3 axis Random Vibration: 0.15g ² Hz, 40 min/axis, 3 axis ESD: 15 KV/150 pF

OPTIONAL FEATURES

- Designed to customer specifications.

MARKETS

- Military and Commercial Aviation
- Military Vehicles
- GPS Systems

SIM Modular Connectors

Consult Amphenol Air LB SIM Series 2 or Series 3 Catalogs or your local Amphenol sales office for further information.



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION/ ARRANGEMENTS	PERFORMANCE ENVIRON./ELECT.
Rectangular interconnect system developed as an alternative to MIL-DTL-38999 circular connectors, where space and modularity are critical. For printed circuit board/surface mount attachment and rack and panel applications.	Meets the EN 4165 spec. Meets or exceeds all the MIL-DTL-38999 mechanical, electrical, environmental sealing and EMI shielding performances. Available for use with 39029 Series 2 and Series 3 contacts.	Standard mating types: clicker nut screw or rack plug. Coupling screw provides 36 combinations for polarization between connectors. Consists of receptacle shells that can be stacked, flanged receptacle shells and free plug shells, all using snap-in removable modules.	2 or 4 module standard designs are offered, incorporating MIL-C-39029 Series 2 or Series 3 contacts in sizes 22, 20, 16 and 12.	Operating temp. from -55°C to +175°C. Environmental sealing is provided with overmolded modules, interfacial seals and peripheral seals for bulkhead applications. Superior EMI shielding is achieved when using hardened shells with backshells that have removable chimneys. Corrosion resistance: shells of cadmium plating on aluminum or composite withstand a 500 hr. salt spray exposure. Operating voltage: to 1800 VAC at sea level depending on contact size.

OPTIONAL FEATURES

- Available with stainless steel shells.
- Filtered versions of the receptacles are available with fixed modules.
- Male or female contact modules can be fitted to either the plug or receptacle.
- SIM modules can be equipped with: printed circuit, coax, twinax, triax, quadrx contacts, or fiber optic termini up to a size 8 contact. Can be mounted on backplanes using pressfit (compliant) contacts.

MARKETS

- Military and Aerospace: Fighter Jets, Tanks, Helicopters, and Missile Systems