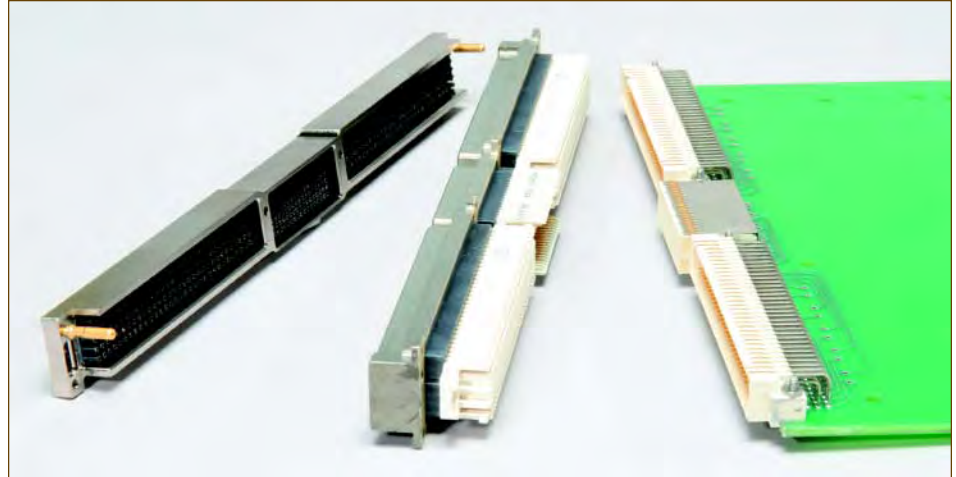


# Ruggedized VME64x Brush Contact Adapter, VME P0/J0 Fiber Optic Interconnect

“Cocooning” of COTS components has been successful in military applications. Amphenol supplies an adapter interconnect system for “cocooning” of COTS VME64x daughtercards.

The ruggedized VME64x adapter system provides the durable brush contact as the primary interface, and integrates the three connectors into a singular metal shell, providing passive ESD protection to the module connector. The back of the module connector mates to standard COTS VME64x daughtercards, isolating them from harsh environments.



*Ruggedized VME64x backplane (left), Ruggedized VME64x module adapter (center) and a typical COTS VME64x circuit board (right).*

Amphenol provides a fiber optic interconnect for attachment to standard VME-64x cards and backplanes for the P0 and J0 locations of the boards. It uses “MT” ferrules and it is used in place of P0/J0 electrical applicable connectors.

Performance features include:

- Tested to IEEE 1156.1-1993 paragraphs
- Operating temperature from  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
- 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:  $0.15\text{g}^2$  Hz, 40 min./axis, 2 axis
- ESD: 15KV/150 pF

Amphenol's VME P0/J0 fiber optic connectors are used in military and commercial aviation, military vehicles and GPS systems. They are designed to customer specifications. Consult Amphenol Aerospace for further information.



*VME P0/J0 MT Connectors*