

Molex

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MicroTCA Backplane

Molex's MicroTCA backplane is ideal to evaluate the performance of various Advanced Mezzanine Cards, MicroTCA Carrier Hubs (MCH) modules, and power supplies. This dual-star backplane is configured with two MCH modules that provide full redundancy for both control and switching functions. The 10 Gbps performance will facilitate the development of state-of-the-art μ TCA systems. The μ TCA backplane has redundant power supplies located to the left and right of the MCH modules. Each power module is routed radially to each AdvancedMC and MCH slot, thus allowing the MCH to independently power up or down any slot. There are 12 centrally located payload slots for industry standard AdvancedMCs.

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FEATURES

- Backplane for single wide AdvancedMC cards, 0.42 m by 0.12 m (16.82" by 5.00")
- 4 compact slots, which allows either 10 full-height slots or 4 compact and 8 full-height slots (12 total)
- Power system supports 80 watts per slot – the maximum allowed by the MicroTCA 1.0 specification
- Connectors for 2 power supplies and 2 MCHs for testing of handoff features when one power supply or MCH fails
- Molex EBBI™ fan tray connectors provide hot-swappable redundant connections to the fan tray
- Extra port allows a JTAG switch module for system level testing
- Design easily scalable to meet different customer applications and needs

For more information, contact: microtca@molex.com

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