

Robust 2 mm Connector is Interchangeable with CompactPCI COTS Systems

Hypertronics' 2 mm connectors, interchangeable with CompactPCI COTS systems, are immune to shock and vibration. Tested to military standards, the Hypertronics 2 mm connector delivers high performance and reliability in a ruggedized CompactPCI format for mission critical applications such as military land systems, shipboard, and aerospace.

Industrial Control – such as factory automation and robotics – railway controls and medical applications, including CATSCAN and MRI imaging, are other demanding markets served by the 2 mm system. The Hypertronics 2 mm connector system is based on the Hypertac® contact, providing immunity to shock and vibration fretting.

Configured on a 2 mm center line with six rows, the Hypertronics 2 mm connector uses 0.4mm Hypertac contacts that feature under 8 milliohms contact resistance and a current rating of 1.0 A. Hypertronics optimized contact lead traces provide superior performance in high-speed signal applications, and the connectors are compatible with standard reflow soldering processes.

Following initial success in space and satellite, the Hypertronics 2 mm connector is now available as a product family in both keyed and unkeyed configurations. Modular in design, the connector is variable in length and can be changed in increments of five contacts.

Other benefits include: EMI/RFI shielding; standard 2 mm footprint; keying to ensure correct mating; and a high temperature LCP insulator that meets NASA outgassing requirements. The connectors are interchangeable with the board layout on COTS systems and are reverse gender to commercial 2 mm products.

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