

Omnetics Launches Panel Mounted Latching Micro-D™ Connectors

A connector designed for high reliability miniaturization of military, aerospace and medical equipment.



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can be seen at <http://www.omnetics.com/Latching-Micro-D/>

Miniaturized instruments used in unmanned vehicle systems, optical surveillance, and portable electronics often require quick connect and disconnect methods not readily available before the Latching Micro-D™ connector. Medical devices, such as surgery tools, ultrasound monitors, and optical scopes require frequent connection and removal from instrument panels. The panel-mount connectors offer options for connecting inside the instrument, including P.C. board lead frames and direct wiring. Highly rugged and compact designs using aluminum alloy 6061 shells with nickel plating, offer contact counts from 9 to 51 positions. Omnetics uses a one piece beryllium copper flex pin design, plated with nickel/gold for robust service that operates from -55° to +125°C. Wired connectors include 26 AWG Teflon® insulated copper wire that provides up to 3 amps per line. A wide range of wire count and cables can be designed into custom backshells for long range ruggedized service. Cable systems include braided shields to reduce electrical noise interference, (EMI) and cross talk. Digital signals from optical surveillance systems, low voltage differential signals and even lower current power supplies are fitting the quick-change design opportunities of the new Latching Micro-D connection system. The Latching Micro-D™ offers high reliability, light weight, rugged, quick-connection system has become the perfect fit for many miniaturized equipment designs. Conversion from the older jackscrew designs are done by adding a simple “latching adapter” to existing Micro-D connectors. Details of Latching Bi-Lobe® connectors on .025 inch pitch are also available at www.omnetics.com

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