



CDM Electronics Now Stocks Eaton's Full Series of Micro-Military Circular Connectors

Ruggedized Connectors Optimized for Military and Aerospace Applications

Turnersville, NJ, August 10, 2016...Announced today by [CDM Electronics](http://www.cdmelectronics.com), a premier authorized distributor of electronic connectors and cables, is the availability of Eaton's micro-military circular connector series precision engineered for a broad spectrum of harsh environment applications ranging from C4ISR (Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance) to space flight. Comprised of the M1 (dual start) and M5 Series (triple start), parts offer significant weight and size savings compared to MIL-DTL-38999 connectors. All devices within the series feature anti-decoupling ratcheting mechanisms to maintain engagement in high shock and vibration environments. The series' robust design incorporates epoxy bonds and redundant mechanical retainers to further ensure unparalleled connectivity. Parts are compatible with micro-miniature connectors from all leading manufacturers. Eaton's full series of micro-military circular connectors are in stock and available [online](#) from CDM.

With shell diameters as small as 0.43" (11 mm), the series are well suited for nearly all military and aerospace applications requiring outstanding mechanical and electrical performance in harsh environments. Micro connectors are available with application-specific performance modifications that include compliance to NASA low volatile condensable materials per ASTM E595. Parts meet MIL-STD-810 for water immersion; contacts meet MIL-C-39029 and utilize crimped terminations. They are commonly employed in military/tactical communications, aircraft power and signaling, weapons and fire control. They are equally appropriate in commercial and private aircraft avionics systems, telecom cable assemblies, digital/video conversion and switching, and space flight applications.

Eaton's micro-military connectors are provided in shell sizes ranging from 6 to 12 with 1 to 26 contacts per connector. The fast mating, dual start M1 Series allows full mating in 1.5 turns, whereas the triple start M5 Series fully mates in 1 turn. Their copper alloy, gold plated #23 AWG contacts are rated 5 Amps ea. with a contact retention of 15 lbs.; #16 AWG contacts are rated 13 Amps ea. with a contact retention of 25 lbs. The M1 Series and M5 Series feature mating/unmating cycles of 2000 cycles and 500 cycles, respectively. Connectors' insulation resistance (IR) is 5000 megaohms minimum. Parts are offered as plugs and receptacles in inline, jam nut, and square flange formats. Finish options include cadmium/olive drab rated to withstand 500 hrs. of salt spray, and RoHS compliant, electroless nickel.



To learn more about [Eaton's micro-military circular connector series](#) and CDM's [value added cable and wire harness assembly capabilities](#), email CDM at sales@cdmelectronics.com, or call (877) 386-8200

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