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CDM ELECTRONICS EXPANDS
AUDIO AND MID-RANGE POWER CONNECTOR INVENTORY

Broad Array of Commercial and QPL Parts Now Available for Shipping

Turnersville, NJ, January 21, 2014...[CDM Electronics](http://www.cdmelectronics.com/), a premier authorized distributor of electronic connectors and cables, today announced a significant expansion of their [MIL-DTL-55116](#) (part #M55116) audio frequency connectors and [MIL-DTL-55181](#) (part #M55181) mid-range power connectors. CDM is an authorized stocking distributor for the complete line of TacCom connectors, and accepts [online orders](#) for prototype as well as production quantities. The MIL-Spec parts are field proven in a wide range of SINCGARS (Single Channel Ground and Airborne Radio System), JTRS (Joint Tactical Radio System) radios and other tactical communication systems. A comprehensive portfolio of QPL and customized products are offered to assist OEMs rapidly develop application specific solutions including custom connector/cable assemblies.

The battlefield-tested [M55116](#) audio frequency plugs and receptacles feature metal and over-molded shell construction, J-slot twist lock mating and spring-loaded, button-to-pad contact. The panel or cable-mounted connectors are vibration resistant to promote a consistent, secure contact. Contacts are gold over nickel. Parts are available with solder, crimp and PC tail contacts and in multiple filtered versions. They feature a dielectric strength of 500 V (rms) in 5- or 6-contact versions, and insulation resistance of 1000 megohms min. Additional M55116 specifications include durability of 3,000 cycles, air pressure of 2.5 psi, and water immersion of 40 hrs. at 6 ft.

QPL certified, the [M55181](#) mid-range power plugs and receptacles support cable-to-cable and cable-to-panel mounting. Their heavy-duty gaskets and O-rings ensure a watertight seal to prevent moisture, dust and dirt contamination. Parts are corrosion-resistant, with aluminum alloy receptacles and high-impact solid brass plug construction that resists impact damage. For additional impact protection, connectors' heat-tempered nosepiece is made of hardened alloy steel. The vibration-resistant parts'

contacts are gold over nickel. Mating is easily accomplished by turning a center locking, double-lead screw. The 4-contact M55181 connectors support a dielectric strength of 2000 V (rms) with voltage drop of 20 mV at 35 Amps, whereas 9- and 18-contact versions' dielectric strength is 1500 V (rms) with voltage drop of 25 mV at 7.5 Amps. Insulation resistance is 1000 megohms min. at 500 VDC. Part's further feature a durability of 500 cycles, air pressure of 2.5 psi, and water immersion of 48 hrs. at 6 ft.

About CDM

For over 20 years, CDM Electronics has delivered interconnect product and cable assembly solutions to the world's leading aerospace, military, telecom, automotive, industrial, commercial, and alternative energy providers. Renowned for its unsurpassed levels of customer service and support, the company supplies Original Equipment Manufacturers (OEMs) with full lines of standard and specialty connectors including circular, MIL-Spec, DIN, power, PROFIBUS, rectangular, and RF devices. CDM employs documented and controlled systems in its value-added division, which specializes in mission critical cable assembly, including custom cable assembly, military cable assembly, power cable assembly, and box builds. The company's AS9100 Certified headquarters is in Turnersville, NJ. Regional offices are located in Irvine, California and Plano, Texas.