

## Mil-Aero/Harsh Industrial Line Card

Connectors & Build To Print Cable Assemblies: DC-Light • Power Supplies, Conversion, Conditioning & Filters • EMI/EMC • Surge Protection (LEMP and EMP)

### AS9100D • ISO 9001:2015 • Nadcap AC7121

Build to Print Cable Assemblies (DC-67 GHz): Machine Braided, Over-Molded, Multi-Pin, EMI Shielded, RF-MW and Electro-Coax.

**Reworkable Over-Molded Cables with Integral EMI Back-Shell** and your BOM's Connector • **Billerica Ma Assembly Plant** • Box-Builds. Problem Interconnect Re-Design Solution SME • Twist-Capsules

**Mission-Critical Connectors (DC-67 GHz):** Nano (M-32139), Micro-D (M-83513), SMP (M-348), ZMA & Electro-Coax • QPL Cable, PCB, Flex, Pre-Wired (Potted) & Solder-Cup Termination. High Performance EMI Micro-D • Filtered M-38999 or D-Sub. Multiple Mounting Hardware, Back-Shell & EMI Gasket Options

### AS9100D • ISO 9001:2015 • 100% U.S. Manufactured

Fiber Optic & Electro-Optic (Fiber, Power, Signal) Interconnects. Build to Print Assemblies: M-28876, M-83526, M-38999, ARINC. Termini: Expanded Beam, Physical Contact, MT, **Keyed APC/RFof**. Low-Initial Volume Custom Hardware Ships in Weeks, not Months

**Connectors:** QPC Proprietary, QLink™ (Configurable), Custom & Industry-Standard/Mating, Designed to M-83526/16, /20 & /21. Circular and D-Shaped Shells with Rugged, **Integral MT Termini**. Hermaphroditic (Fiber/Hybrid), Stainless Steel M-28876, COTS. Rotary-Joint, Reel & Photonic Sub-Systems • **Furcation Kits**

### AS9100C • ISO 9001:2008 • W.L. Gore Equivalent Option

U.S. Extruder and Manufacturer of Hi-Performance VP-90™ Coaxial Cable and Micro-Coaxial Cable • DC-70 GHz • 16-52 GA. In-House Cable Termination with Customer Specified Connector. VP-90™ Assemblies are Skew-Controlled and Impedance Tuned. VP90™ Assemblies Notable Signal Integrity and VSWR, Low Loss, featuring Exceptional Phase and Amplitude Stability during Flexure, Vibration & Wide-Temp Changes • Mictor™ Assemblies

### Power Conversion and Conditioning • ISO 9001:2015

Rugged COTS AC-DC, DC-DC Power Supplies and EMI Filters.

Modular, Configurable and "Plug & Play" Power Architecture • NSNs SwaP-C • 20kW+ • Active PFC • 1-20 Outputs • -55° C to + 85° C

M-461, an **EMC SME** • Single and 3 Phase • Standard and Custom Surge Control: M-1275, M-1399 & DO-160 • M-167, M-810 & M-901

### AS9100D • ISO 9001:2015 • Standard/COTS (+) and Custom

**Coaxial RF Surge Arrestors:** Lightning, ESD, EMP, HEMP and NEMP DC-18GHz • Gas Discharge Tube, 1/4 Wave Stub, Multi-Stage Designs Class Leading Surge Ratings: 5kA-80kA • DC-Block, DC-Pass & Bias-T DO-160G, M-188-125-X, M-461F/464, M-PRF-49467-A & IEC 529 IP68

**EMI/EMC Feed-Thru Filters:** 50-400 Amps • to 1,000 Vdc/480 Vac to 22µFA Capacitance • E Series: 96 Hour Burn-In, Hi-Amp, C-Filter HCS Series: Hi-Amp, Pi-Filter with Integral Transient Suppression Filtering: 1KHz to > 1GHz • AC-Line, DC-Line & Data-Line (POE) Filters

### AS9100D • NADCAP QML/Heat-Treat • ISO 9001:2015

Engineered EMI-RFI Solutions • Standard and Custom • **ROHS**.

**PCB-Level Shields** • Fence, Cover & Substrate Prototyping Kits.

Gaskets: **BeCu Finger-Stock** and Metalized Fabric Over Foam

BeCu Grounding Strips, Rings & Springs • Electro-Plated Foils Custom, Precision Thin Gauge Photo-Etching, Metal Stamping & "Etched and Formed" Parts • Custom Battery Tab and Contacts

### Faraday Cage "Completion" and Tempest Solutions

EMI, RFI & ESD Optical Filters / Windows for Flat Panel Displays.

Display Contrast Enhancements: Anti-Glare, Anti-Reflection, Abrasion and Chemical Resistant • NVIS • Optical Heaters

Elastomeric Gasket and Screen Print Value-Add Display Services.

**Free Customer Prototype Built to Your Specs**



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