



AS9100D • Nadcap AC7121 • ISO 9001:2015 • ITAR

Build to Print Cable Assemblies, DC-67 GHz: Over-Molded, Machine-Braided, Multi-Pin, Filtered, Semi-Rigid & Flexible • **Billerica MA Cable Assembly Plant:** IPC J-STD Space Addendums Certified Problem Cable or Flex-Circuit Assembly Re-Design Solution Specialists • Box-Build Sub-Assemblies

Mission-Critical Connectors, DC-67 GHz, and their Integration into Custom Assemblies • Mil-Aero Micro-D (M83513), Nano (M32139), Micro-D Power Combo, Micro or Nano Strip, RF & Digital-Coax Cable, Flex, PCB, Pre-Wired / Potted, Crimp & Solder-Cup Termination • **TRM Assembly Solutions Filtered** • Enhanced EMI Performance Micro-D • **Twist Capsules:** a Slip-Ring Design Alternative

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Fiber-Optic and Electro-Optic Connectors, Assemblies & Back-Shells • Mil-Aero/Harsh Environment

Build to Print Assemblies: M28876, D38999, M83526/TFOCA • Reel or Rotary Joint sub-Assemblies Connector Design and Manufacturing Expertise Enhances their Build to Print Harness Capabilities

Termini: Expanded Beam, Physical Contact • **Coupling Type:** Threaded, Reverse-Bayonet, Push-Pull

Connectors: Industry-Standard: *QFoca*[™] (TFoca Intermatable, Designed to M83526/16, /17)

QPC Proprietary: *Q38*[™] (Hi-Density D38999), *QLink*[™] (Scalable, Electro-Optic, Hermaphroditic) and **Custom Engineered Solutions** • Circular or D Shells with MT Ferules • Stainless Steel “M28876”

ISO 9001:2015 • ITAR



AC-DC and DC-DC Power Supplies: Standard and Custom Solutions • Custom EMI Power Filters

Mil-Rugged COTS • **Modular and Configurable Plug' n Play Power Architectures** • Over 500 NSN's

Build to Print Power Supplies • Form, Fit & Function Obsolescence Solutions • PDU's, TRU's, VME 1-20 Outputs • 2-300VDC • to 15KW • Active PFC • Single Phase, 3 Phase & DC Inputs • -55/+85°C

EMI: M461 • **Surge-Transients:** M704, M1399, DO-160 • **Environ, Shock, Vibe:** M810, M901, M167

AS9100C • ISO 9001:2008 • ITAR



U.S. Extruder and Manufacturer of High-Performance VP-90[™] and Standard Micro-Coaxial Cables

VP-90[™] Flexible Coaxial Cable is Terminated In-House with any Specified Connector • DC-70GHz

VP-90[™] Assemblies Have Exceptional Phase and Amplitude Stability During Extreme Temperature Change, Flexure and Vibration • VP-90[™] is an Equivalent Alternative to **Gore Flexible Coaxial Cable**

AS9100D • NADCAP QML for Heat-Treating • ISO 9001:2015 • RoHS • ITAR



PCB-Level EMI Shielding • EMI-Gasketing: BeCu Finger-Stock Enclosure type and Metalized Foam Prototyping Kits: **EZ-Matrixx**[™], *Hand-Formable Substrate* and **Groove-Loc**[™], *Fence and Snap-Lock Cover*

Custom Battery Contacts • Ground/Contact Rings, Springs, Strips, Clips & Metal Connector Gaskets

Custom Parts: Photo-Etched .0007- .032"; Metal-Stamped .002- .075" • **“Etched & Formed Parts” Etching, Forming, Heat-Treating & Plating (All Done In-House)** • Bus Bars • Reel to Reel Plating

ISO 9001:2008 • ISO 14001:2004 • IATF 16949:2016



PCB-Mounted Connectivity Solutions • **Exportable 3D Models** • Vertically Integrated Supply Chain
High Speed (Stacking) to 4Gbps, 1.7A • Industry Leading Custom Design and Production Lead-Times
Floating: Self-Aligning, Many Mating Height and Pitch Options • **Card-Edge/PCI, Automotive & I/O**
Board to Board: Pin, Female, Box & Ejector Headers • **Wire to Board**: FPC/FFC, Wafer & RAST IDC


ITAR



EMI-RFI, ESD & Tempest Optical Filters/Windows for Flat Panel Displays • **Faraday Cage Completion**
Printed or Blackened CU Wire Mesh, Plated or Blackened SS Wire Mesh, ITO Film & Edge Bus Bar
Contrast Enhancement: Anti-Glare/Reflection, Abrasion & Chemical Resistant • Optical Heaters
Value-Add Svcs: EMI Gasket, Screen Printing • NVIS • **Free Customer Prototype Built to Your Specs**

ISO 9001:2015



Custom Cases and Foam Inserts • Prototype thru Production • **Made in Chicago, IL since 1921** 
Molded, Soft-Sewn Bags, Blow-Molded, ATA-300 Shipping, Stock/Foam-Filled, Pelican, Tool/Pallets
In-House Capabilities: Design Engineering, Thermo-Forming, Sewing and Foam Water-Jet Cutting
Integrated: TSA Locks and “Telescoping Handle & Wheels” • Carry/Shipping Case Hardware Options
Anti-Static or **Medical-Grade** Foam Options • Graphic Foam Overlays to Identify Your Contents
Customer Branded Nameplates, Logos & Embroidery • 2-Color Foam Insert to Identify Missing Items



Serving Customers and Manufacturers
in New England Since 2004