

# CROWLEY ASSOCIATES

## NEW ENGLAND

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### LINECARD



## *Manufacturers Representative*

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For almost four decades, Crowley Associates has provided exceptional representation and service to our manufacturers, channel partners, and customers.




**GLOBAL LEAD IN THE DESIGN AND MANUFACTURE OF HIGHLY ENGINEERED PRECISION POWER CONVERSION PRODUCTS**

AC-DC Power Supplies: Modular/Configurable Multi-Output; Bulk Power Single Output; Distributed Enclosed Versions; Fanless/Conduction Cooled versions; Datacom/Telecom Racks and Power supplies; Low Power Open Frame versions; External Adapters and DIN Rail, Medical Power Supplies.

DC-DC Power Supplies: Low Voltage PFC and High Power Bricks; Telecom Bricks and POLs; Industrial, Medical & Railway Versions; High Voltage Output DC-DC.


**LEADER IN LED INDICATION, SIGNALS AND COMPONENTS**

Panel Mount Indicators: Wide array of LED panel lights including IP rated, UL, and daylight viewable, Mil-Aero, LED bulbs, and re-lampable. Discrete Surface Mount LEDs: Various chip LEDs, PLCC, right angle, reverse mount, and lensed options. Prism Right Angle SMT: Reflow ready LED packages with the aesthetic appeal of diffused lens and pick and place. CBI Through Hole: 2mm, 3mm, 5mm, & rectangular in many housed configurations and color combinations. OptoPipe Light Pipes: Hundreds of options in right angle, multiple position, vertical, mounting and or shielded.


**LEADING GLOBAL DESIGN AND MANUFACTURER OF DISCRETE, CONNECTIVITY & TIMING, ANALOG & POWER MANAGEMENT, MIXED-SIGNAL, LOGIC SEMICONDUCTORS**

Power Management: AC-DC, DC-DC regulators, Load/USB Switches, Gate drivers, LED Lighting; Analog - Hall Sensors, LDO, Op-Amps, Comparators, Voltage Refs, Current Monitors, Audio Amplifiers; Connectivity & Timing - Switches/MUX, Redrivers/Repeaters, PCIe Switches, Timing; Logic - Single Gate, Dual Gate, Standard Logic, Voltage Translators, Analog Switches; Discrete- MOSFET, Transistors, IGBT, Diodes, Rectifiers, Protection Devices.


**MANUFACTURES INTUITIVE HUMAN INTERFACE SOLUTIONS THAT MAKE LIFE SIMPLER, SAFER AND MORE EFFICIENT**

Touch encoder, optical encoders, mechanical, optical and hall effect joysticks, keypads, pushbuttons; all with finely tuned haptics, ergonomic panels and product shells that integrate various interface technologies, including displays, touch technology, and motion sensing, rotary switches, CANbus Displays, MMI controllers keypad, toggle, rocker, slide switches. Custom solutions serving military, off-highway and healthcare with value added assemblies.


**ITT'S CANNON AND VEAM BRANDS ARE WORLD LEADERS IN THE DESIGN AND MANUFACTURING OF HIGHLY ENGINEERED HARSH-ENVIRONMENT MIL SPEC. & COMMERCIAL CONNECTORS AND INTERCONNECT SOLUTIONS**

Circular, D-Sub, Fiber Optic, Filtered, Hermetic, Harsh Environment, EV J1772, Micro-D, Printed Circuit Board, Rack & Panel, ZIF, High-Speed, High D-Density, Environmentally Sealed, UC.

Defense, Medical, Industrial, HVOR, Rail, Commercial & Mil Aero Interconnect Solutions.


**DELIVERS BATTERY CHARGER AND ENERGY SYSTEMS FROM CONCEPT TO PRODUCT DELIVERY**

Dedicated to providing innovative customized energy solutions to customers while meeting their cost structures, delivery, and technical expectations in the field of energy solutions. Project management approach assigned to every customers program. Turnkey designs from electrical, mechanical, electro-chemical analysis, software, testing, simulation, plastic, strategic sourcing, validation testing, UN38.3 transportation testing, cycle life testing, design of experiments, prototyping, metal design, cell selection, along with the fastest design cycle. Ability to support customers' needs in both low-and high-volume production.



## JOHANSON TECHNOLOGY



## JOHANSON DIELECTRICS



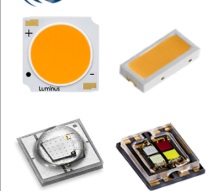
**High Frequency Ceramic Chip based Solutions:** High-Q and Single Layer Capacitors, Ceramic and Wirewound RF Inductors, LTCC Chip Antennas, Filters, Integrated Passives for Microwave, 5G, Wifi, Bluetooth, GPS and ISM frequencies.

**High Voltage, Low ESL MLCC Solutions:** AC Safety Certified, High Voltage 500-6KV, Chip Filters using low ESL X2Y technology for EMI filtering and High Frequency Power Bypass, SMPS Stacked, Mini-Switchmode, Tanceram High Cap., HV Radials, Large Size MLCCs.



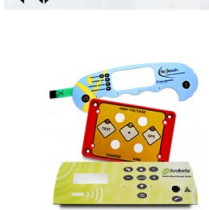
### HIGH QUALITY CIRCULAR CONNECTORS WITH METAL OR PLASTIC HOUSINGS

Push-pull models feature self-latching positive locking with an audible click. Threaded coupling models offer either loose nut or ratchet mechanism. Inserts accommodate single or multipole low voltage, fiber optic, coax, triax, quadax, high voltage, thermocouple or fluidic/pneumatic contacts. An array of mixed insert options allow for hybrid configurations and customization. Indoor IP50 or ruggedized outdoor IP68 models can be used in many critical performance applications: medical, aerospace, military, industrial control, test & measurement, broadcast video and audio, robotics, and telecommunications.



### GLOBAL LEADER IN LED LIGHTING SOLUTIONS FOR PERFORMANCE DRIVEN MARKETS

Luminus COBs offer a wide spectrum for General Lighting, Hospitality and Retail with excellent color rendering. Dynamic COBs support Color Tuning and Dim to Warm. Offerings of mid power devices in multiple packages for Circadian, Horticulture and General Lighting. High current density LED for UV-A, UV-C, Infrared, Horticulture, Medical, Stage and Machine Vision with an emphasis on optimum photon extraction and sources for etendue-limited applications. Cuvée Systems offers a full line of drivers optimized for compact size, deep dimming and flicker free performance. Partnered with Luminus COBs, the driver family and COBs offer a combined 5 year warranty.



### DESIGN, ENGINEERING, AND MANUFACTURING OF USER INTERFACE SOLUTIONS AND GRAPHIC PRODUCT IDENTIFICATION COMPONENTS

Membrane switches, rubber keypads, capacitive touch, light guides, and touch screens. Plastic injection molding, in-mold decorating, metal and plastic nameplates, as well as several other complementary products and services for custom applications.



### NORTHWIRE DESIGN SPECIALISTS PARTNER WITH YOU TO DEVELOP YOUR CUSTOM CABLE SOLUTIONS

Manufacturer of Technical Cables, Retractable Coil Cords and Cable Assemblies for Medical, Aerospace & Defense, Industrial Automation, Transportation, Heavy Equipment, Robotic, Marine & Underwater, as well as Harsh Environments and Flex Cable.



### OMRON CREATING A MORE GREEN AND SUSTAINABLE SOCIETY WITH PREMIUM COMPONENTS AND SOLUTIONS

Offers a wide range of premier, reliable products within four key product categories of Relays, Switches, Sensors, and Connectors designed for a variety of needs and industries as automotive, industrial, healthcare, environmental, and more. Relays- MOS FET, Signal, Power, Automotive, and Industrial. Switches – Tactile, Toggle, Trigger, Rocker, Pushbutton, Dip, Detection, Door and Power. Sensors- IoT, Thermal, Color, Flow, Pressure, Human Detecting and Image Solutions, Vibration/Tilt, Photomicrosensors, and more. Connectors- Board to Cable, Board to Board, Board to FPC, External, IC Socket/Jumper Plugs, and Industrial.

## Qualtek

Electronics Corporation



### LEADER IN EMI POWER LINE FILTERS, DOMESTIC AND INTERNATIONAL POWER CORDS, AND HEAT SHRINK PRODUCTS

Power Products—IEC Inlets/Outlets, NEMA Outlets, EMI Filters (Chassis Mount & Medical), Power Cords.

AC Fans; Fan Accessories: Fan guards, filters, vibration sleeves, fan power cords; Circuit Breakers: 3 to 40A, single pole and push to reset, custom configurations; electrical sleeving—fiberglass, silicon resin, rubber, PVC, nylon. Cable Assemblies: USB, HDMI, DVI, networking, custom wire harnesses.

## SUNON



### DESIGNS AND MANUFACTURES A FULL RANGE OF HIGH-PERFORMANCE FANS, BLOWERS AND COOLERS

Low Noise Design Fans DC & AC Fans with MagLev and Vapo-Bearing, AC and DC Blowers, EC Axial Fan with IP21, IP55 and IP68 ratings, LED Cooling Fans and Fan Accessories. Cooling Modules including Heatsinks, heat sink heat pipes and heatsink with fan. Custom Configurations based on your system structure. Complementary design services such as thermal simulation, vent optimization, velocity profile, temperature and pressure distribution, and performance and testing analysis.

## swissbit®



### STORAGE AND EMBEDDED IOT SOLUTIONS FOR DEMANDING APPLICATIONS

Storage Products: SSDs with PCIe and SATA interface - mSATA, Slim SATA, CFast™, M.2 , 2.5", CompactFlash, USB flash drives, SD, micro SD memory cards, managed NAND BGAs.

Security Products: storage with integrated security component, security firmware, protection and encryption.

System-in-Package(SiP): integration of multiple bare dies and components into high density packages.

## TRIAD

MAGNETICS



### TRIAD MAGNETICS STOCKS OVER 1,000 PART NUMBERS IN THEIR STANDARD PRODUCT LINE, OR THE CREATIVE THINKERS AT TRIAD CAN OFFER POWERFUL CUSTOM SOLUTIONS

Products: Custom Magnetics, Power Transformers, Current Sense Transformers, Wall Plug-In Transformers, Audio Transformers, Medical Isolation Transformers, Inductors and Chokes, High Frequency Magnetics.

Industries: Industrial & Commercial Equipment, Renewable Energy, Food & Beverage, Transportation, Medical Equipment, Audio & Sound Processing, Power Conversion & Measurement.