

# CROWLEY ASSOCIATES

## **EAST PA**

### LINECARD



## ***Manufacturers Representative***

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




**Global Leader 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.

  
Advanced Sensors  


**Improving Your World Through Advanced Sensing Technology**

Amphenol Advanced Sensors is a leading innovator in advanced sensing technologies and innovative embedded measurement solutions customized for regulatory and industry driven applications, creating value by providing critical information for real-time decisions. Product offerings include temperature sensors, pressure sensors, air quality sensors, moisture meters and validation. These solutions serve transportation, medical, industrial, and pharmaceutical markets.

  
Bud Industries, Inc.  


**Electronic Enclosure Manufacturing**

Bud has been a leading electronic enclosure manufacturer for the electronics and data industries for over 90 years. Extensive line of affordable products ranges from small metal and plastic electronics enclosures to large cabinet racks with many NEMA/IP67 Specifications. Bud also has experienced Engineering Staff to Design and Modify your designs to match your particular needs.

  
Consolidated  
ELECTRONIC WIRE & CABLE  


**A Leading Manufacturer of Electronic Cable Since 1919**

Consolidated Electronic Wire & Cable is a full line source for all standard electronic wire and cable serving the needs of our industry for over 100 years. Product offering of category and Lan cables, extruded flat cables, coax, fire alarm cable, portable cord and power cables, limited tray cables and uninsulated wire. Markets serving factory automation, green technology, industrial, lighting, military, aerospace, and telecommunications industries. Offering a full resource library for your cable requirements.

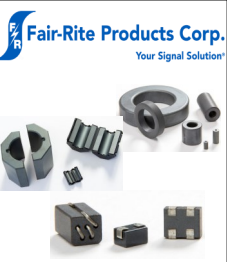

**Leader In LED Indication, Signals And Components**

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.

  
DIODES  
INCORPORATED  


**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.



**Fair-Rite Products Is A Provider Of Standard And Custom Ferrite Products**

Board and cable EMI Suppression and Power & Inductive components. Product offering includes EMI suppression beads, PC & chip beads, Toroids, Antenna/RFID, SM beads etc. Designing solutions for markets & applications such as; Automotive, Mil/Aero, Energy, Medical, RFID, Power Supplies & more. They are ISO 9001 and IATF 16949 certified, as well as ITAR compliant.



**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.



**Offering a wide range of versatile highly flexible industrial cables used in many applications**

Developed optimal cable solutions application specific. The challenges faced by modern cables and wires are multifaceted: flexing applications with more than 10 million cycles, severe mechanical and chemical loads, tricky bending radii and space-saving hybrid solutions. Product specifics: flexible tray cable for both stationary and flexing applications, high-flex robotic cable for continuous flexing applications, VFD/servo cable, network BUS cable, drive and motor cables, cable glands and drag chain systems.



**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.



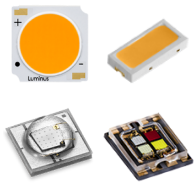
**High Quality Circular Connectors With Metal Or Plastic Housings**

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, quadra, 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.



**Lovato designs and manufactures low voltage electrical devices for industrial applications**

Products solutions for industrial automation, e-mobility, energy management, generating sets, lifting systems, photovoltaics, power factor correction, pumping and piping. Product offering of motor protection, circuit breakers, contactors, E-stops, pushbuttons, selector switches, soft starters, variable speed drives, switch disconnects, fuse and surge devices, automatic switch controllers, switch disconnects, energy meters, micro-PLC, signal towers and beacons for your specific needs.



**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.



**Mill-Max a global leader in designing high reliability precision-machined interconnect components**

Mill-Max manufactures interconnect components standard, modified & custom. Their product line includes precision-machined contact pins and receptacles, spring-loaded contacts & connectors, PCB pins & solder terminals, IC sockets, and board-to-board interconnects, all available in SMT and through-hole. Proprietary high-speed turning machines have the flexibility to be easily and quickly re-configured to make machined contacts in varied sizes and shapes.



**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.



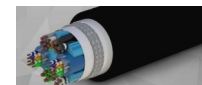
**Wide-Temperature Range, Industrial Interface. Withstanding Outside Interferences**

LCD touchscreen modules, OLED display modules, Capacitive touch switches, Dot matrix graphic display and VFD Display modules, Active Matrix Chip in glass and Rib grid technology. Solution offerings operation with gloves, suitable for a sterile environment, Multi-point and gesture inputs, temperature extremes, water/chemical solutions, long life and durability, and Fast refresh rates. Development tools are available along with evaluation software, code libraries and application notes.



**Design And Manufacture Of standard And Custom High Performance Interconnect Shielding Products And Connectors**

Connector covers D-subminiature, SCSI, V.35, fibre channel (GBIC), telco, RJ and modular style connectors. Custom hardware such as, thumbscrews, machine screws, captive screws and metal drawn cans provide a more complete solution to component needs.



**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**



**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.

**ROSE BATTERIES**  
The Battery Experts

**Rose Batteries makes Mission Critical Battery Assemblies**

Since 1963, Rose Batteries has provided high technology battery pack assemblies and power solutions for high reliability applications such as medical, asset tracking, utility, robotics, and IoT. We offer all major cell chemistries, from Lithium Ion to LiFePO4 to Sealed Lead, and carry all major cell vendors. Rose Knows Batteries.

**SII**



**Seiko Instruments USA has developed a reputation as an industry leader around the globe**

Seiko Instruments pushes the technological capabilities of thermal printing even further with a line of mechanisms and components designed to fit nearly every custom configuration. Compact mobile printers are tough enough for the most demanding applications. Receipt printers raise the bar in POS, delivering an unparalleled synthesis of performance, reliability, flexibility, contemporary aesthetics, and ease of use. With Seiko's label printers you can easily tackle most everyday label printing needs.

**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

# CROWLEY ASSOCIATES



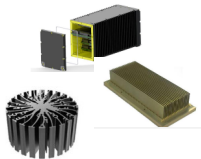
**Synapse Is An IOT Company, Specializes In Intelligent Lighting And Industrial Applications By Providing Software, Hardware, And Networking Capabilities**

Control your industrial and commercial lighting and environmental systems, manage energy use, and optimize your operations, all through our powerful, wireless infrastructure. From lighting controls to industrial sensing, our solutions extend your five senses, giving you access to untapped information and insights.



**Broadline Design And manufacture Of Power, Connectivity, Sensors & Passive Components**

Power: custom military power supplies, electromagnetics, hybrid microcircuits, power modules, RF Power MOSFETs, Semiconductors; Connectivity: Connectors, M2M and IOT, HMI Interface; Sensors: opto, flow, level, pressure, temperature sensors; Passive: resistors, magnetics, encoders, potentiometers, trimmers.



**Global Supplier of Advanced Thermal Solutions**

A Global Thermal Solutions provider with engineering and manufacturing centers of excellence that provide high value thermal solutions that enable the technologies of tomorrow. Offering standard and custom solutions including thermal extrusions, heat sinks, heat frames and liquid cold plates in addition we offer vacuum and dip brazing for the most