

# CROWLEY ASSOCIATES

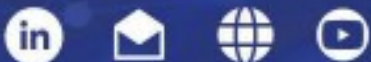
## CHESAPEAKE

### 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 HIGHLY ENGINEERED PRECISION POWER CONVERSION PRODUCTS**

AC-DC Power Supplies: Modular/Configurable Multi-Output; Bulk Power Single Output; Fanless/Conduction; Rack Mount; Low Power Internal; Low Power External Adapters; High Voltage; Amplifiers.

DC-DC Power Converters: Low Voltage PFC and High Power Board converters; Telecom/Network Brick and Point of Load converters; High Voltage Output Converters.


**AMPHENOL ADVANCED SENSORS, WITH A PORTFOLIO OF INDUSTRY LEADING BRANDS**

**Thermometrics**- temperature sensors **NovaSensors**- pressure sensors **Telaire**, air quality sensors.

Innovators in advanced sensing technologies and innovative embedded measurement solutions customized for industry driven applications.

**SGX SensorTech**- A world leader in gas detection sensors using catalytic beads, infrared, metal oxide, electrochemical, MEMS Pellistors, thermal conductivity, and integrated IR technologies.


**MAKING LIFE BETTER WITH TECHNOLOGY IN SENSING, ILLUMINATION AND VISUALIZATION**

LEDs: Low medium and high-power white, color, multicolor, chip LEDs, modules, optical modules available in UV-C, and IR. Lasers: Color lasers blue and green EEL and VCSEL, IR lasers EEL and VCSEL.

Sensor Solutions: Ambient light, time of flight, infrared, CMOS image sensors, magnetic positioning, axis magnetic angular position, capacitive, X-ray, digital temperature, noise cancelation, inductive, Phototransistors and Photodiodes.

Eval Kits: Time-of-flight, vital sign, spectral, proximity, digital temperature, Raspberry Pi, and magnetic rotary position.


**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, Marine, LED bulbs, and re-lampable. Discrete Surface Mount LEDs: Addressable LED's, various chip LEDs, PLCC, right angle, reverse mount, Prism surface mount LED's 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. TIR Optics and reflectors for standard LED packages.


**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.


**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, quadrax, 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.


**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.


**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.



**POWER SONIC BOASTS OVER 50 YEARS OF LEADERSHIP IN THE BATTERY INDUSTRY**

Specializing in the design and manufacture of rechargeable batteries. Renowned for reliability and performance serving a wide array of electronic and industrial applications. At Power Sonic, delivering dependable, high-quality products remains the foundation of our business. Products include sealed lead acid, general purpose, long life, tubular Gel, deep cycle gel. Lithium Bluetooth, power and energy cells, high voltage and medical lithium. Power Sport AGM, High performance AGM, Hyper Sport lithium, conventional stop start auxiliary and locally activated AGM types.


**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 Batteries helps engineers and supply chain professionals create high reliability technology at scale by effectively designing and efficiently manufacturing excellent quality batteries and chargers. Rose Knows Batteries.



**GLOBAL INNOVATOR, MANUFACTURER OF FUSES, CONNECTORS, CIRCUIT BREAKERS, SWITCHES, AND EMC PRODUCTS**

SCHURTER products, circuit protection, power entry modules, EMC filters, connectors, switches and solutions are developed especially for specific industry segments – medical, data and communication, automotive, avionics & space, energy, and the broader industrial market. SCHURTER considers the quality of its products and services as the key factor to the company's lasting success. The safe & easy brand claim not only refers to the products, but also the company's business philosophy, which strives for sustainable success through innovation, high-quality products and service, flexibility, and proximity to customers.



**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.



**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.

## TT Electronics



### **BROADLINE DESIGN AND MANUFACTURE OF POWER, CONNECTIVITY, SENSORS & PASSIVE COMPONENTS**

Combining the power of BI Technologies, IRC, Optek, Semelab & Welwyn, TT Electronics manufactures a wide range of electronic components for applications in the aerospace, defense, industrial, medical & transportation sectors. They specialize in optoelectronics, flow sensors, pressure sensors, steering sensors, temperature sensors, encoders, magnetics, potentiometers, resistors & trimmers. They also offer custom packaging components for critical applications and offer a wide product portfolio including discrete semiconductors, power modules and RF transistors.