

# GM SYSTEMS, LLC. LINE CARD

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**ASSEMBLY SERVICES - ELECTRONIC COMPONENTS, DESIGN, TEST AND SOFTWARE SERVICES**  
**SUBSTRATES & PACKAGES - EQUIPMENT & TOOLS - MATERIALS & ADHESIVES-LOGISTICS**

## **ASSEMBLY SERVICES**

**Advanced Circuit Technology** is a contract manufacturer of hybrid circuits and SMT printed circuit board assemblies and boxes. Advanced Circuit Technology is ITAR certified, has a secure facility for classified work, an Altitude Chamber, and a SCS Polyurethane Conformal Coater (<http://www.advcircuit.com/index.php>)

**Cirtek Electronics** - semiconductor and SMT device assembly providing services from wafer probe, wafer back grinding, wire bonding, assembly and packaging and final testing of semiconductor devices. Plastic Package offerings range from diodes, QFN's, Metal can TO-packages, to Chip on Board (COB). (<http://www.cirtek-electronics.com>)

**Advanced International Technology** - wafer dicing -Silicon, Quartz, Glass, Sapphire and Aluminum Oxide. PCB's (<http://www.aitechnology-usa.com/>)

## **ELECTRONIC COMPONENTS, DESIGN, TEST and SOFTWARE SERVICES**

**Agile Microwave Technology** design, develops and manufacturers standard and custom RF and Microwave LNA's and Power Amplifiers, multi-function RF & Microwave modules and MCM's for Wireless, Telecom, Military and Space Markets. (<http://www.agilemw.com>)

**DTA-SA** is Satellite Equipment Manufacturer (Amplifiers- SSPA, Demodulator, Down Converters, Embedded software) providing development of customized and standard products in the field of satellite communication both for turnkey terrestrial solutions as well as for on board satellite Flight systems. (<http://www.dta-sa.com/index.html>)

**OMMIC** is a supplier of MMIC circuits, Foundry Service and Epitaxial Wafers based on III-V (GaAs, GaN and InP) materials. OMMIC provides its customers with cutting edge performance for Telecommunication, Space and Defense Applications. include mixed mode E/D PHEMT, Low Noise and Power PHEMT, Metamorphic HEMT and InP DHBT allowing the design of a wide range of MMICs including LNAs from 900 MHz to 160 GHz, Highly Integrated T/R Functions and Millimeter wave Power Amplifiers. (<http://www.ommic.com>)

**COMPUPOWER PRIVATE LIMITED** - over the years has provided highly reliable 1553 databus couplers and transformers for Mil-Std-1553 applications as well as providing custom design, manufacturing and test services related to Mil-Std-1553 Data Bus Products. In addition to offering of-the-shelf products for Military and Aerospace markets. (<http://www.compupowerindia.com/index.html>)

**CISSOID** is the leader in high temperature semiconductor solutions, delivering standard products and custom solutions for power management, power conversion and signal conditioning in extreme temperature and harsh environments. CISSOID provides high reliability products guaranteed from -55°C to +225°C and commonly used outside that range, from cryogenic lows to upper extremes. (<http://www.cisoid.com>)

**ES Components** is a franchised bare die and packaged part distributor supplying Military and Commercial grade Bare Die and Epoxy Mountable Passive components to the Hybrid and MCM markets. With an extensive inventory of over 40,000 line items, managed inventory solutions and value-added services, ES Components is your source for active and passive microelectronic components in wafer, bare die, and package form. (<http://www.escomponents.com/index.php>)

**Indie Semiconductor** is a privately held semiconductor company, specializing in custom ASIC development for embedded systems in the consumer, medical and automotive spaces. Indie's ASICs may embed an ARM microcontroller core together with a variety of analog and mixed signal blocks, including low power or high voltage power management, wired and wireless communications interfaces, sensor interfaces, user interfaces or high voltage control interfaces. (<http://www.indiesemi.com>)

**Midarome** Electronics is a consulting firm specializing in product/test engineering and product marketing for discrete semiconductors. Specific services include troubleshooting yield/quality problems, optimizing test methods, sourcing test equipment, sourcing wafer foundries, and training. The training covers areas of project management, strategic marketing of technology products and QA methods. (<http://www.midarome.com>)

**Aldec, Inc.** is an industry-leading Electronic Design Automation (EDA) company delivering innovative design creation,

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simulation and verification solutions to assist in the development of complex FPGA, ASIC, SoC and embedded system designs. (<http://www.aldec.com/en>)

**ALE System Integration** provides custom Software and Hardware test solutions that save you time and money using the latest tools (LAB VIEW) and industry best practices. With flexible tools we are able to service a wide variety of industries and unique product applications including Commercial Component and Systems Manufacturing, Military, Aerospace, Test Labs, Research Groups, Automotive, Medical, Hospital, Oil & Gas, Telecommunications, RF and Microwave products, Railroad and Rail Systems, Data Interfacing & Measurement, Semiconductor Test, Energy, and Financial software. (<http://www.aleconsultants.com>)

**Sysacom** is an engineering firm that specializes in custom electronic circuits and systems design. They can develop the architecture and complete system designs, develop layouts, printed circuits, software and manufacture prototypes and experience with high performance circuits (VHDL) ([www.sysacom.com](http://www.sysacom.com))

## EQUIPMENT & TOOLS

**Micro Printing Systems** is the worldwide manufacturer and supplier of the MPS screen printers, Models TF100 and SP1500, to the hybrid, ceramic, micro-electronic and PC solder paste industries. & Squeegee materials. (<http://www.mps-intl.com>)

**Micro-Coat** Technologies provides specialized adhesives, coatings equipment for UV exposure and dispensing applications

## MATERIALS

**Koartan Microelectronic Interconnect Materials** manufactures standard and custom thick film pastes which include silver, gold, and copper conductors, resistors, NTC and PTC thermistors, multilayer, cross-over, and capacitor dielectrics, sealing glasses, BeO and aluminum-nitride compatible pastes, thin-print, etchable, and nickel platable conductors. As well as aluminum wire bondable conductors for high temperature electronics. (<http://koartan.com>)

**Micro-Coat** Technologies provides specialized adhesives, coatings and equipment for high-tech and high-reliability applications used in semiconductors, military, medical, aerospace, high temperature electronics, and solar products. The company's diverse offerings include UV, Thermal & Air Cure Coatings, and Adhesives for the Semiconductor and SMD/PCB Assembly (Die Attach, Lid Seal, and Board Coatings), Optoelectronics and LED's (Optical coatings). (<http://www.m-coat.com/>)

## SUBSTRATES & PACKAGES

**Microcertec** specializes in the Precision Grinding of advanced design ceramics. Our unique expertise is to combine precision grinding of 3D ceramics, thin-film metalizing and laser micro machining to serve high-tech markets as photonics, electronics, aerospace, semiconductors, and analytical instrumentation. (<http://www.microcertec.com/>)

**Emtron Hybrids**- manufactures thick-film substrates, including single layer, multilayers, through-hole metallization (plated and solid via) and resistor networks on a variety ceramic substrates. (96%,99%,Alumina, Aluminum Nitride, BEO ([http://www.emtronhybrids.com/company\\_profile.htm](http://www.emtronhybrids.com/company_profile.htm))

**Kerdry** offers a wide variety of vacuum deposited thin films used in the Medical, Telecom, Military, and Aerospace Industries. ([http://www.kerdry.com/english\\_kerdry/](http://www.kerdry.com/english_kerdry/))

**PNL INNOTECH** Provides Glass and Ceramic-to-Metal hermetic components such as: Metal brazing to ceramics (Alumina, Zirconia, B4C, AlN, SiC, Si3N4), Glass-to-Titanium seals, Bakeable feedthroughs and connectors, Housing for Medical implants and U.H.V. viewports (Glass, Quartz, Sapphire, CaF2, BaF2) (<http://www.microcertec.com/>)

**Shanghai Kessen Ceramics Co.,Ltd** is an industrial ceramics and refractory materials manufacturer in China for years supplying oxide materials, nitride materials, carbon materials and other products. Our crucibles, tubes, rings, plates, balls and varied parts are used in varied industries as electricity, information, power, automobile, petrol, semiconductor, medical apparatus, electronic, and hybrids. **Oxide Materials** Al2O3,ZrO2,MgO,SiO2,Y2O3,BeO, **Nitride** Si3N4,BN,AlN **Carbide Materials** SiC,C,B4C (<http://www.kscera.com>)

**Sentec** is a high volume manufacturer of metalized ceramic substrates for Low (<1W) to High (10W) power applications. They provide DBC substrates utilizing thin-film technology for the LED industry. They currently supply products to the LED/ Optoelectronics, Automotive, Microwave, Semiconductor and Solar markets. Using Panasonic Process they manufacture High Accuracy **LOW SHRINKAGE** Multi-layer LTCC Substrates, Cu Slug Ceramic Substrate, Hermetic Ceramic Package (<http://www.sentecee.com>)

**JSI LOGISTICS-who cans Save you 20% on shipping costs** For over 30 years ago, JSI Logistics is a top tier global provider of customized supply chain solutions. With a global presence and thousands of team members throughout the world, JSI delivers comprehensive transportation, distribution and value added services to companies from start-up ventures to large multinational corporations. (<http://logistics-supply.com>)