

2008 IEEE MTT-S IMS EXHIBITION GUIDE

SPECIAL ACKNOWLEDGMENT

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The following are product and service descriptions received from exhibitors who responded by April 8 to a call for information. Each listing is followed by a breakdown of product categories offered by that company.

3G Metalworx Inc. 1052
Concord, ON, Canada

R. Borowicz

3G Metalworx Inc. is the industry leader in application-specific PCB shielding metalwork for a wide spectrum of wireless products. 3G Metalworx supports the entire lifecycle from concept through high volume requirements, and offers an unparalleled level of design flexibility and product performance.

Shielding

A-Alpha Waveguide Co. 1805
El Segundo, CA

J. Joseph, J. Matzen

A-Alpha Waveguide is a manufacturer of precision cold drawn aluminum waveguide tubing specializing in making thin wall tubing for aerospace applications. Aluminum, copper, bronze, invar, stainless steel, and coin silver waveguide are in stock for immediate delivery. Thin wall cast bends and standard wall aluminum and bronze cast bends, aluminum flange stock, and beryllium copper and brass flexible tube are also in stock.

Waveguide/Waveguide Components

Acceleware Corp. 751
Calgary, AB, Canada

Acceleware redefines the speed of invention and data analysis. From complex data processing to large-scale simulations, Acceleware super-charges your technical computing applications to run up to 35 times faster. Acceleware software is combined with graphics processing units (GPUs) or other multi-core hardware environments used to leverage the massive parallel processing capabilities.

Software

Accumet Engineering Corp. 411
Hudson, MA

L. Voyser

Accumet offers a complete ultra-precision service for grinding, lapping, polishing and otherwise sizing a wide variety of metals (ferrous and non-ferrous), carbide, ceramic, sapphire and other materials for industrial and scientific applications as well as for microelectronics.

Materials, Services

Actipass Co. Ltd. 539

Yongin-Si, Kyunggi-Do, Korea

S. Kim

Actipass Co. Ltd. is a KOSDAQ listed company and one of the fine and leading manufacturers in the field of RF and microwave components and systems related to CDMA, WCDMA and satellite communication systems ever since it was established in 1992.

Amplifiers, Attenuators, Couplers, Filters, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Synthesizers, Systems/Subsystems, Terminations, Waveguide/Waveguide Components

AdTech Ceramics 2231

Chattanooga, TN

B. Bukovitz

AdTech Ceramics produces custom co-fired HTCC, AlN and LTCC microelectronic packaging, ceramic injection molded products and etched metal products for medical, military and High Rel industrial applications. Full microwave modeling and custom design center. US based company is ISO 9001:2000 certified; DFARS 252-225-7014. Alt compliant.

Hybrids, Materials, Printed Circuit Boards

Advanced Control Components Inc. 1008

Eatontown, NJ

M. Perhacs, M. Gaffney, R. Williams

Advanced Control Components designs and manufactures high performance components and custom integrated multi-function assemblies to 40 GHz serving commercial, industrial, military and space applications. Products include amplifiers, attenuators, detectors, frequency converters, limiters, phase shifters, switches, switch matrices and synthesizers. Advanced Control Components also provides RF and microwave design, analysis, manufacturing and test services.

Amplifiers, Attenuators, Millimeter-wave Components, Mixers/Modulators/Detectors, Phase Shifters, Synthesizers, Systems/Subsystems, Switches

Advanced Microwave Components 351

Largo, FL

J. Eicher

AMC is a custom waveguide manufacturer located in Largo, Florida. We have custom runs, adapters, couplers, power samplers, twist, terminations, and rotary joints and our patented flange. Our facility also has in house machining, mil spec painting,

powder coating and plating.

Diodes/FETs/Transistors, Waveguide/Waveguide Components

Advanced Switch Technology 404

Kingston, ON, Canada

Dr. G. Cappelli, M. Cappelli

AST is a designer and manufacturer of microwave switches for the telecom industry.

Switches

Aeroflex Inc. 1627

Plainview, NY

Aeroflex Microelectronic Solutions 1627

Plainview, NY

G. Smith, D. Markman, J. Morgan

Aeroflex RF/Microwave divisions – Aeroflex/Inmet, Aeroflex/KDI-IP, Aeroflex/KDI-RP, Aeroflex/Metelics, Aeroflex/MicroMetrics, Aeroflex Plainview, and Aeroflex/Weinschel design and manufacture microwave semiconductors, attenuators, phase shifters and time delay units, diodes, control components, connectors/adaptors, BlindMate™ connectors, bias tees, DC blocks, equalizers, and switch matrices.

Amplifiers, Attenuators, Diodes/FETs/Transistors, Filters, Switches, Terminations

Aeroflex Test Solutions 1627

Plainview, NY

J. DeBroeck, R. Panos, J. Gillum

Aeroflex Test Solutions is the leading provider of microwave, RF PXI module, synthesizer, broadband signal analyzer and generator, phase noise, spectrum analyzer, scalar and synthetic test solutions for R&D and manufacturing. Test solutions from Aeroflex reflect a commitment to industry-accepted standards and the concept of modular product development.

Mixers/Modulators/Detectors, Synthesizers, Systems/Subsystems, Test and Manufacturing Equipment

Aethercomm Inc. 1911

San Marcos, CA

T. Thornton, D. Barnas, F. Chavez

Aethercomm designs and manufactures military RF hardware with frequencies ranging from 10 MHz to 40 GHz. All with various power levels. Aethercomm uses the latest in RF technology (GaN, SiC, LDMOS and others) on the market today. Please visit our web site www.aethercomm.com.

Amplifiers

Agilent EEsof EDA 1123

West Lake Village, CA

M. C'Debaca

Agilent EEsof EDA is the leading supplier of Electronic Design Automation (EDA) software for high-frequency system, circuit, and modeling ap-

plications. Their applications include signal integrity as well as RF and microwave amplifier, mixer and filter design for commercial wireless, aerospace and defense markets.

Software

Agilent Technologies 1123
Santa Clara, CA

L. Brown-Scott

Agilent Technologies, the world's premier measurement company, provides the industry's broadest portfolio of innovative design and test solutions, services, and support to RF/uW engineers responsible for bringing to market leading-edge products used throughout today's wireless communication and aerospace/defense industries.

Attenuators, Mixers/Modulators/Detectors, Printed Circuit Boards, Services, Systems/Subsystems, Test and Manufacturing Equipment

AKON Inc. 812
San Jose, CA

J. Stokes, S. Sareen, S. Khanna, R. Gomez

Akon is the leading supplier of DLVA family products, along with EW/ECM/ESM subsystems, DIFMs, receiver front ends, switch matrices and filter banks, T/R modules, integrated assemblies and supercomponents from 0.5 to 40 GHz.

Amplifiers, Attenuators, Filters, Hybrids, Millimeter-wave Components, Phase Shifters, Power Dividers, Signal Processing Components, Synthesizers, Systems/Subsystems, Switches

Allrizon-TG Comm Equipment 2134
Shanghai, China

Allrizon designs, manufactures and sells RF and microwave components, devices and modules for wireless communication systems. The products cover a wide frequency range (450 MHz to 38 GHz) and they are widely used for base stations, network optimization equipment and point-to-point communication systems.

Attenuators, Couplers, Filters, Hybrids, Millimeter-wave Components, Optoelectronic Components/Fiber Optics, Power Dividers

Altair Technologies Inc. 2003
Menlo Park, CA

J. Walias, A. Luna

Altair Technologies is a contract manufacturer, specializing in high temperature brazing and bonding. Products include custom or catalog windows and waveguides, electron guns, and an array of vacuum components and devices. We offer turnkey or consigned material manufacturing services.

Millimeter-wave Components, Tubes

AMCAD Engineering 329
Limoges, France

C. Maziere, S. Dellier, T. Gasseling

AMCAD Engineering is a provider of new RF and microwave solutions for components characterization as well as a provider of advanced modeling, design and characterization services. The last AMCAD 240V-10A PIV measurement system is compatible with the PNA-X in order to provide state-of-the-art solutions for high power transistor characterization.

Services, Software, Test and Manufacturing Equipment

American Beryllia Inc. 327
Haskell, NJ

D. Nicoletta

American Beryllia Corp. is a leading worldwide manufacturer and distributor of Beryllium Oxide (BeO) ceramic laser bores, heat sinks, crucibles, washers, thermocouple tubing, and custom-made substrates for a diverse range of aerospace, defense, electronic and commercial applications.

Diodes/FETs/Transistors, Isolators/Circulators, Materials, Printed Circuit Boards, Resistors/Capacitors/Inductors, Shielding, Waveguide/Waveguide Components

American Microwave Corp. 912
Frederick, MD

E. King, H. Steinhaus

American Microwave Corp. (AMC) is celebrating 30 years in the RF and microwave business. "In Pursuit of Excellence through Engineering," AMC manufactures active and passive components and subsystems for radar and communications specializing in solid state, hybrid MIC variable attenuators, solid state, hybrid MIC switches, and detector log video amplifiers (DLVA).

Amplifiers, Attenuators, Mixers/Modulators/Detectors, Switches

American Standard Circuits Inc. 749
West Chicago, IL

M. Florence

Mil-Certified, ITAR registered fabricator of RF/microwave, metal backed PCBs (bonded and pre-bonded), Flex and Digital PCBs. All technologies are offered in the "Time Critical/QTA" environment with turn times ranging from 1 to 10 day delivery windows, depending on design complexity. We have CNC capabilities and all final finishes in-house.

Amplifiers, Antennas/Radomes, Couplers, Filters, Materials, Millimeter-wave Components, Printed Circuit Boards

American Technical Ceramics 816
Huntington Station, NY

G. Pinto

American Technical Ceramics designs and markets multilayer capacitors, single layer capacitors, resistive products, inductors and custom thin film products for RF, microwave and millimeter-wave applications. Introducing: an extensive line of

broadband products to 40+ GHz, extended voltage on select MLCs, complete line of attenuators and high RF power resistors.

Hybrids, Resistors/Capacitors/Inductors

Ametek HCC Industries 636
Rosemead, CA

R. Winterburn

Ametek HCC Industries is a premier US designer and manufacturer of glass-to-metal and ceramic-to-metal hermetically sealed microelectronic packages, connectors, and terminals/headers. With over 60 years of experience, we serve the following markets: telecommunications, aerospace/defense, automotive, petrochemical and industrial sensors. Completely vertically integrated, HCC specializes in small and high volume manufacturing.

Amplifiers, Attenuators, Connectors/Cable/Adapters, Diodes/FETs/Transistors, Hybrids, Isolators/Circulators, Mixers/Modulators/Detectors, Optoelectronic Components/Fiber Optics, Oscillators, Power Supplies, Resistors/Capacitors/Inductors, Switches

AML Communications Inc. 1148
Camarillo, CA

E. McAvoy, J. Inbar

Displaying low noise, medium and high power amplifiers plus complex integrated microwave assemblies for 20 MHz to 40 GHz ground, shipboard and airborne defense applications. AML specialties include ultra low phase noise amplifiers. New products include surface mount high intercept and low phase noise amplifiers. A new catalog is available at the booth.

Amplifiers

Amplicor Corp. 2235
Verona, NJ

E. Garcia

Premium quality RF/microwave component supplier, including broadband amplifiers and attenuators up to 40 GHz. Broadband LNA, high power amplifiers and both solid-state and relay attenuators included in product line.

Amplifiers, Attenuators, Millimeter-wave Components, Phase Shifters, Systems/Subsystems

Amplifier Solutions 651
Colmar, PA

V. Nguyen

Amplifier Solutions is a manufacturer of amplifiers for the commercial and military markets. We design and manufacture hybrid, surface mount flange, open carrier and connectorized low power to medium power amplifiers using bipolar and GaAs transistor technology. ASC products operate in the frequency range from 300 kHz to 4 GHz with thick film designs and to 20 GHz with MMIC.

Amplifiers, Hybrids, Millimeter-wave Components

AmpliTech Inc. 1609
Holbrook, NY

W. Rojas, F. Maqbool

AmpliTech is a leader in the design and manufacture of amplifiers. We offer custom and standard solutions for military, commercial, and space applications. Amplifiers include: low noise, cryogenic, limiting, waveguide, surface mount, and medium power. We are also expanding and offering new products, such as oscillators and integrated microwave assemblies.

Amplifiers, Hybrids, Optoelectronic Components/Fiber Optics, Oscillators, Waveguide/Waveguide Components

Analog Devices Inc. 1743
Norwood, MA

C. Diforio

Analog Devices offers the broadest range of RFICs across the entire signal chain including: direct digital synthesizers; phase-locked loop synthesizers; TruPwr™ power detectors and logarithmic amplifiers; X-AMP® variable gain amplifiers; RF amplifiers such as PAs and LNAs; mixers; modulator and demodulator products; clock generation ICs and highly integrated single-chip transceiver solutions.

Amplifiers, Mixers/Modulators/Detectors, RFICs, Synthesizers

AnaPico AG 2118
Zurich, Switzerland

J. Kucera, U. Lott

AnaPico is supplying high-speed components and systems for test and measurement applications. This year, AnaPico introduces a compact, battery-operated high performance signal generator with broadcast frequency range (9 kHz to 3.4 or 6 GHz), highest output power, and lowest harmonic levels amongst signal generators of its size and cost.

MMICs, Synthesizers, Systems/Subsystems, Test and Manufacturing Equipment

Anaren Inc. 837
East Syracuse, NY

B. Barrett, R. Connors, S. Rehnmark, M. Bowyer, B. Copich, S. Tozen, M. Lugert, H. Ostergaard

A wealth of deep—and cross-industry—micro-wave/RF expertise awaits you at Anaren Booth # 837: Xinger®-II components for wireless infrastructure, including parts ideal for WiMAX. Complex solutions for Tier-1 space and defense OEMs. Tiny 04x04 surface mount baluns, filter baluns, and more for wireless consumer electronics and broadcast applications. Resistive components for all kinds of apps, including wireless medical devices. www.anaren.com, 800-411-6591.

Amplifiers, Attenuators, Couplers, Hybrids, Isolators/Circulators, Power Dividers, Resistors/Capacitors/Inductors, Signal Processing Components, Terminations

Anatech Electronics Inc. 2222
Garfield, NJ

S. Benzacar

Anatech Electronics specializes in design and manufacturing of RF and microwave products specifically built for military and commercial applications including standard products for WiFi, GSM, WiMAX, INMARSAT, point-to-point communication and other wireless bands. AEI is a certified ISO-9001-2000 company, to ensure the highest quality in its products.

Amplifiers, Antennas/Radomes, Attenuators, Couplers, Filters, Power Dividers, SAW Devices

Anoison Electronics 2129
Zhenjiang, Jiangsu, China

D. Zhou, J. Qu, J. Dolan

Anoison designs and manufactures high quality RF and microwave components that include coaxial connectors, cables, cable assemblies terminations and fixed attenuators for a serious range of applications and market segments. Continuously driving growth through innovation, Anoison's latest releases are waterproof QMA and QN connectors, available via the Quick Lock Forum.

Attenuators, Connectors/Cable/Adapters, Terminations

Anritsu Co. 1715
Richardson, TX

With over 110 years of global communications technology leadership, Anritsu provides the RF/microwave, telecom, optical and wireless industries with sophisticated test and measurement instruments as well as components for R&D, manufacturing, field installation, and maintenance. Anritsu's handheld and benchtop instruments address the full spectrum of RF/microwave and wireless applications.

Optoelectronic Components/Fiber Optics, Test and Manufacturing Equipment

Ansoft Corp. 1209
Pittsburgh, PA

C. Gavrish

Ansoft is the leading provider of electromagnetics and circuit simulation software for high-performance RF and microwave design. At our booth, Ansoft engineers will be demonstrating new technologies that combine the speed of Ansoft's advanced circuit simulator, Nexxim, with the accuracy of HFSS to analyze complex RF and microwave systems. Design and optimize antennas with feed structures, filters, RFICs, and advanced 3D packaging with speed and accuracy.

Software

Antenna Research Associates-ARA 301
Beltsville, MD

C. Ober, D. Sheldon

For over 45 years, ARA has been an industry leader

in the design, development and manufacturing of a diverse line of broadband, narrowband, and integrated antenna systems covering frequency ranges from 100 Hz to 100 GHz, and has a strong presence with products such as positioning systems, composite reflectors and radomes.

Antennas/Radomes, Systems/Subsystems

Antenna Systems & Technology Mag. 2150
Greenwood Village, CO

J. Martin

Antenna Systems & Technology is a trade magazine for antenna professionals, including commercial operators, OEMs that integrate antennas and components into their wireless systems and infrastructures, antenna manufacturers, dealers/distributors and companies involved with wireless systems, cellular, and RF and microwave communications markets. To subscribe, please visit www.antennasonline.com/index.htm.

Publications

Apollo Microwaves Ltd. 2035
Pointe Claire, QB, Canada

V. Campanella, L. Schott, N. Vouloumanos, B. Tsounis

Apollo is a leading supplier of passive microwave components and sub-systems for the global telecommunications market. The company develops and manufactures a wide range of standard and custom-engineered terrestrial microwave components and sub-systems operating from 900 MHz to 60 GHz.

Attenuators, Couplers, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Phase Shifters, Power Dividers, Systems/Subsystems, Switches, Terminations, Waveguide/Waveguide Components

Applied Radar Inc. 1551
North Kingstown, RI

W. Weedon, M. Deaett

Phased-array radar and electronic system development.

Antennas/Radomes, Systems/Subsystems

Applied Specialties Inc. 1202
Beltsville, MD

D. DeJulis

Make up to 60 different adapters and coaxial cable assemblies from adapter kits. Models for 1 GHz, 8 GHz and 18 GHz. Prices from \$160.00

Amplifiers, Attenuators, Terminations

Applied Thin-Film Products 616
Fremont, CA

F. Pietroforte, R. Nguyen, D. Adams

Applied Thin-Film Products (ATP) is a leading ISO certified thin film manufacturer for a wide range of materials and metalization schemes. Substrates

are fabricated from Alumina, ALN, BEO, fused silica, quartz, ferrites, and Hi-K dielectrics. Metalizations range from standard Tan/TiW/Au to nickel, palladium and platinum. Circuit features can include fine pitch conductors, integrated resistors, hollow plated vias, solid filled vias, double-sided patterning and polyimide air bridges.

Hybrids, Materials, Printed Circuit Boards

AR Modular RF 1409
Bothell, WA

We are a leading supplier of military amplifier systems and accessories providing booster amplifiers and embedded modules for tactical military radios. We make a range of high-efficiency modules specifically designed for jamming applications. Also well known for supply of superior quality track mounting and tabletop amplifier systems and modules from 0.01–6 GHz, 5–5000 watts.

Amplifiers, Systems/Subsystems

AR RF/Microwave Instrumentation 1409
Souderton, PA

AR RF/Microwave Instrumentation manufactures broadband, high-power amplifiers from DC–45 GHz, 1–10,000 watts, that are primarily used for radiated and conducted susceptibility testing. Available test accessories include antennas, directional couplers, field monitoring equipment, test software and more.

Amplifiers, Antennas/Radomes, Couplers, Systems/Subsystems, Test and Manufacturing Equipment, Waveguide/Waveguide Components

ARC Technologies Inc. 601
Amesbury, MA

T. Durant, S. Richards, R. Welch, M. O'Connell

ARC Technologies is the leading supplier of microwave absorbing materials for commercial and defense applications. ARC also developed the Wave-X family of products as an effective, reliable and simple solution for EMI and SAR suppression due to its unique formulation. Visit our website www.arc-tech.com.

Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Materials, Shielding, Signal Processing Components, Test and Manufacturing Equipment, Waveguide/Waveguide Components

Arlon Technology Enabling Innovation 1832
Rancho Cucamonga, CA

M. Smith, R. Horning, B. Foster, J. Frankoski

Arlon produces a full line of low loss substrate materials for microwave and RF printed circuits, engineered for a variety of applications, including a newly developed line of high Dk and thermally conductive products for higher powered products requiring heat management.

Materials

Artech House 613
Norwood, MA

Artech House provides today's professionals and students with books and software from the world's top authorities, from hot areas such as nanotechnology, MEMS, biomedical engineering and GPS/GNSS, to established fields including communications engineering, RF/microwave design and computer security. Artech House publishes the forward-looking titles that engineers need to excel.

Publications, Software

ASB Inc. 502
Daejeon, Korea

B.R. Ryum, T.S. Lee

ASB Inc. has expertise in RFIC and module technology for more than 10 years. We have a world-level cost-effective SiGe HBT process with more than 100 patents. State-of-the-art RF products from the chip to the system are produced.

Amplifiers, MMICs

Assemblies Inc. 2030
Warner Robins, GA

J. Daniel Jr., J. Daniel III

High performance cable assemblies and connectors. Low insertion loss and very good return loss at all frequency ranges. Testing to 65 GHz connectors in stock for major cable manufacturers.

Connectors/Cable/Adapters, Services, Test and Manufacturing Equipment

Astrolab Inc. 1801
Warren, NJ

S. Toma, R. Fuks, S. Donovan, A. Weirback

Astrolab Inc. designs and manufactures microwave components including cable, cable assemblies, adaptors, connectors and terminations for the military, commercial, optical and medical industries. Astrolab also manufactures our patented minibend cable assembly.

Connectors/Cable/Adapters, Terminations

ATTEN Microwave Components Co. Ltd. 328
Shenzhen, Guangdong, China

H. Yan, T. Yongjun

Microwave components. Attenuators. Power dividers. YTO. VCO. Power supplies. Spectrum analyzers. Waveguide components.

Attenuators, Power Supplies, Test and Manufacturing Equipment, Waveguide/Waveguide Components

Avago Technologies 509
San Jose, CA

N. Tothero

Avago Technologies' RF component innovations are instrumental in driving the next generation in wireless technologies. Our enhancement-mode pHEMT, CoolPAM and Film Bulk Acoustic Res-

onator (FBAR) technologies set new benchmarks for battery life, size and performance. Avago's tiny RFICs continue to reduce end-product size and fuel the wireless market's rapid growth.

Amplifiers, Attenuators, Diodes/FETs/Transistors, Filters, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, RFICs, Switches

Avnet Electronics Marketing 1131
Phoenix, AZ

L. Bruce, L. Levicki-Lavi, C. Reginato

Avnet Electronics Marketing is one of the world's largest technology, distribution and services companies offering leading design chain services combined with world-class supply chain services in support of the electronics industry. Avnet features the industry's broadest line card of RF and microwave active components.

Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Diodes/FETs/Transistors, Filters, Hybrids, Isolators/Circulators, Materials, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Optoelectronic Components/Fiber Optics, Oscillators, Phase Shifters, Power Dividers, Power Supplies, Printed Circuit Boards, Resistors/Capacitors/Inductors, RFICs, SAW Devices, Services Shielding, Signal Processing Components, Software, Synthesizers, Systems/Subsystems, Switches, Terminations, Test and Manufacturing Equipment, Tubes

AWR 923
El Segundo, CA

L. Groat

AWR,® the innovation leader in high-frequency EDA, is showcasing the latest releases of Microwave Office® and Visual System Simulator™ design environments, along side its revolutionary new AXIEM™ 3D planar electromagnetic software product. Stop by to get hands-on demonstrations of AWR's entire portfolio of high-frequency EDA tools.

Software

AWT Co. Ltd. 953
Incheon, South Korea

W.K. Moon

AWT's mission is to develop the most advanced digitalized RF/microwave systems through the fast and high capacity processing digital technology and the wideband RF/microwave technology.

Couplers, Filters, Power Dividers, Signal Processing Components, Systems/Subsystems, Test and Manufacturing Equipment

B&Z Technologies 350
Stony Brook, NY

Barry Industries Inc. 805
Attleboro, MA

R. Barry, C. Horvitz, R. Schmidt, M. Liu, M. Ehlert, P. Barnwell, C. Mosher

Barry product offerings include: LTCC products (low temperature co-fired ceramic), HTCC products (high temperature co-fired ceramic); semiconductor packages; high power terminations, resistors, attenuators and surface mount products; pulsed power devices, WiMAX product selection; low capacitance resistors; low power precision chips; machining and plating services. Visit www.barryind.com.

Attenuators, Diodes/FETs/Transistors, Filters, Millimeter-wave Components, MMICs, Optoelectronic Components/Fiber Optics, Phase Shifters, Printed Circuit Boards, Resistors/Capacitors/Inductors, SAW Devices, Terminations

Batten & Allen Ltd. 948
Cold Spring, NY

R. Weissbrod, T. Kolbe, N. Homsy, S. Ray

Batten & Allen has a well-earned reputation as a leading designer and manufacturer of precision stampings. The company serves a range of markets from electrical, electronic, medical, automotive, telecommunication and computers. Its customers typically purchase lead frames, heat sinks, intricate connectors, medical devices and sensor components. Worldwide supplier of complete solutions from design, tooling, stamping, plating, over-molding and packaging.

Connectors/Cable/Adapters, Materials, Power Supplies, Resistors/Capacitors/Inductors

BeckElec Inc. 2145
Phoenix, AZ

BeckElec specializes in the manufacturing and supply of frequency control products for industrial telecommunications, test and measurement, avionics and other custom applications. Our products include precision TCXOs, VCXOs, oscillators and custom VCOs. BeckElec is in its 10th year of operations and should be in its new building in Glendale, Arizona, by the time of this show.

Oscillators

Berlin Microwave Technologies AG 2137
Berlin, Germany

J. Wuerfl

BeMiTec AG offers GaN high-power HEMTs with 30 W CW output power and more than 15 dB linear gain at 2 GHz. They come with a 50 Ω evaluation board for easy testing. GaN-MMICs are available on request. BeMiTec is a spin-off of Ferdinand Braun Institut, Berlin, Germany. www.bemitec.com

Diodes/FETs/Transistors, MMICs

Besser Associates Inc. 1006
Mountain View, CA

R. Frobenius, J. Lange

Founded in 1985, Besser Associates delivers live and Internet-based training to professionals working with RF, wireless, digital, and networking technologies. We have trained over 45,000 individuals in these industries.

Amplifiers, Antennas/Radomes, Printed Circuit Boards, Services, Shielding, Software, Synthesizers, Systems/Subsystems

Bliley Technologies Inc. 633
Erie, PA

Bonding Source 2217
Nashua, NH

M. Merrill, S. Mackenzie

Bonding Source is a value added reseller of epoxy films, pastes, bonding wire and bonding tools. We offer in-stock immediate delivery and have no high minimum charges. Manufacturers include Ablestik, Emerson Cuming, Epoxy Technology, SPM and Gaiser. Bonding Source is also a major supplier of epoxy pre-forms.

Materials, Services

Boonton Electronics 1901
Parsippany, NJ

Boonton introduces the 4540 series peak power meter with compact design, color display and superior performance features. The new 4540 complements our industry leading line of RF peak power measurement products and sensors. Boonton will showcase new to market hand-held spectrum analyzers, USB power sensors and PIM testers.

Brush Ceramic Products 418
Tucson, AZ

D. Handley, L. Vandermaek, K. Harrison, J. Scheatzle

Beryllium Oxide ceramics in microwave technology enables components to operate at higher temperatures, providing thermal conductivity second only to diamond, dissipating nearly 300W/mK at room temperatures, ten times greater than Al₂O₃ and double AlN. New for 2008: 325 watt BeO now available in 2x2 substrates.

Materials

C-Tech Co. Ltd. 432
Yeosu-Gun, Gyeonggi, Korea

H. Sang-Moon

SAW filter manufacturer. SAW filter is the telecommunication component. It connects electromagnetic waves to the acoustic wave. It means SAW filter passes the specified frequency. The application is wireless systems such as repeater, satellite communication, pager, PCS, GPS, and so on.

Filters, SAW Devices

CAD Design Software 314
San Jose, CA

J. Sovinsky, T. Dlouhy, M. rocha, G. Jensen

Reduce RF layout time by 60%. CAD Design Software's RF and ceramic LTCC EDA tools include DRC, Netlist check, Gerber, and full RF part intelligence. Bi-directional links to Agilent's ADS, AWR's MWO, and Ansoft's HFSS provides full RF simulation. High level 3D graphics make CDS tools the most advanced EDA software available.

Hybrids, Printed Circuit Boards, RFICs, Software

Cadence Design Systems Inc. 2013
San Jose, CA

Cadence enables global electronic-design innovation and plays an essential role in the creation of today's integrated circuits and electronics. Use Cadence software and hardware, methodologies, and services to design and verify advanced semiconductors, consumer electronics, networking and telecommunications equipment, and computer systems. Headquartered in San Jose, California, with sales offices, design centers and research facilities around the world. www.cadence.com.

Software

California Eastern Labs 1037
Santa Clara, CA

S. Almanza

California Eastern Laboratories is your gateway for NEC Electronics' RF and microwave products in the Americas. NEC's RFIC and discrete transistor devices, available in industry standard and miniaturized packages, serve virtually all current wireless applications and together with application engineering and technical sales support for CEL, provide high performance and highly reliable solutions for our customers. Visit us at www.cel.com.

Amplifiers, Diodes/FETs/Transistors, Hybrids, MMICs, Optoelectronic Components/Fiber Optics, RFICs, Switches

Cambridge University Press 605
New York, NY

CAP Wireless Inc. 742
Newbury Park, CA

R.E. Hoover, S. Behan

CAP Wireless Inc. develops and manufactures a broad range of RF and microwave amplification products and related subsystems for homeland security, defense electronics, and commercial microwave markets. CAP is the world's leading manufacturer of coaxial spatially combined broadband solid state power amplifiers, which provide unprecedented high power and broad bandwidth.

Amplifiers

CapeSym Inc. 204
Natick, MA

Carleton University 614
Ottawa, ON, Canada

Q. Zhang

New features of NeuroModeler for developing fast

models for RF/microwave components featuring automated training of neural network models, neural network models for passive and active microwave components (such as EM structures, FETs, HBT, HEMTs, PA and more), and their use in circuits design.

Software

Cascade Microtech 1144
Beaverton, OR

Cascade Microtech's Elite 300 sets a new standard for accurate 300 mm wafer probing for devices with process nodes at 45 mm and below. Tesla power device measurement system provides a complete on-wafer solution for over-temperature, low contact resistance measurements of power semiconductors up to 60A and 300 V.

Test and Manufacturing Equipment

Castle Microwave Ltd. 852
Newbury, Berkshire, UK

B. Gaskin, M. Eidem, K. Greenwood

Castle Microwave is one of the UK's foremost specialist component distributors of microwave and optical devices. Our qualified team of sales engineers advise on initial design and development through to production. Our range of expertise covers components and subsystems used in military, space, telecommunication and optical systems.

Amplifiers, Antennas/Radomes, Filters, Isolators/Circulators, Millimeter-wave Components, Optoelectronic Components/Fiber Optics, Oscillators, Phase Shifters, Power Dividers, Power Supplies, Resistors/Capacitors/Inductors, SAW Devices, Signal Processing Components, Systems/Subsystems, Switches, Test and Manufacturing Equipment

Centellax Inc. 1647
Santa Rosa, CA

W. Sitch, J. Orr

Centellax delivers low-cost, high-performance test instruments, test accessories, and electronic components for high-speed communication and signal integrity applications worldwide.

Amplifiers, Optoelectronic Components/Fiber Optics, Synthesizers, Test and Manufacturing Equipment

Century Seals Inc. 410
Seaford, DE

T. Phillips, J. Favinger

Century Seals is a manufacturer of hermetic glass to metal sealed packages for the military/aerospace, RF, microwave and fiber optic marketplace, as well as for high-rel commercial applications. We offer many types of DC and 50 Ω feed through terminals per customer specifications.

Amplifiers, Connectors/Cable/Adapters, Filters, Hybrids, Optoelectronic Components/Fiber Optics, Services

Ceramic Products Group 1509
Cazenovia, NY

Cernex Inc. 2051
Sunnyvale, CA
C. Huynh

Cernex manufactures high power and ultra low noise amplifiers, antennas, couplers, filters, ferrite products, millimeter-wave components, mixers/modulators/detectors, oscillators, phase shifters, attenuators, power dividers/combiners, power supplies, switches, terminations/loads, waveguide and waveguide components, and many various sub-systems for military and commercial applications.

Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Oscillators, Phase Shifters, Power Dividers, Power Supplies, Switches, Terminations, Waveguide/Waveguide Components

Channel Microwave Corp. 1051
Camarillo, CA

R. Roach, C. Gasior, K. Boswell

Isolators, circulators, couplers, terminations, power dividers, filters, diplexers, rack mount sub-assemblies. Products include coaxial, drop-in and waveguide configurations for space, military, commercial and medical applications. Frequency range is 80 MHz to 65 GHz.

Attenuators, Couplers, Filters, Isolators/Circulators, Millimeter-wave Components, Power Dividers, Systems/Subsystems, Terminations, Waveguide/Waveguide Components

Charter Engineering Inc. 514
Pinellas Park, FL

K. Kulyk, K. Charti

Charter Engineering is a leading RF switch and component manufacturer. The product line includes SPDT-SP8T, transfer, terminated, very high power, and ultra low intermodulation RF switches in multiple connector configurations. New products include hi-rel and superior passive intermodulation RF switches.

Couplers, Power Dividers, Switches

Chengdu AINFO Inc. 305
Chengdu, China

S. Hu, E. Hou

Chengdu AINFO Inc. is a reliable supplier of microwave components and antennas. Components include amplifier, DLVA, microwave/millimeter-wave high precision connector/adaptor, switch, power divider, synthesizer, etc. Antenna includes spiral, horn, log periodic, discone-type antenna, etc.

Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Filters,

Isolators/Circulators, Mixers/Modulators/Detectors, Oscillators, Phase Shifters, Power Dividers, Resistors/Capacitors/Inductors, Synthesizers, Switches, Terminations, Waveguide/Waveguide Components

Ciao Wireless Inc. 738
Camarillo, CA

G. Wasylewski, J. Chao, J. Harrison

Ciao features RF amps from 1 MHz to 30 GHz including custom designs at catalog pricing and delivery of 1-2 weeks ARO. Ciao offers limiting broadband, low-noise, WiMAX, octave-band, radar communications and telemetry band amplifiers.

Amplifiers

ClearComm Technologies Inc. 1533
Fruitland, MD

G. Ennis, L. Mason, S. Brobst M. Ferrand

ClearComm Technologies manufactures custom designed filter products for the commercial, military and wireless markets. Our product line consists of cavity and discrete element filters covering frequencies to 20 GHz. Our cavity filter products include transmit and receive filters, duplexers and multiplexers. Our discrete element filters are available in lowpass, highpass and bandpass responses. We offer these filters in connectorized, PC mount and surface mount packages.

Filters

Cobham DES 1327
Exeter, NH

Coilcraft Inc. 1904
Cary, IL

P. Liebman, K. Smith, M. Leff, J. Boytor, J. Jett-Parker

New 0402HP and 0603HP chip inductors outperform competitors with 1/3 less DCR, much higher Q factors, and double the current handling capability. Talk to experts about Coilcraft's always-growing selection of high performance chip inductors, magnetics for PoE, air core and conical inductors, filters, transformers, and high-reliability passive components.

Filters, Resistors/Capacitors/Inductors

Coining Inc. 1549
Saddle Brook, NJ

J. Scelzo

Manufacturer and global supplier of quality soldering and brazing preforms. Highly pure alloys of gold, silver, lead, tin, indium, bismuth, palladium, copper, Kovar[®] molybdenum, clad and plated. New cover assemblies (preform/lid). Thousands of standard and custom designs. Short lead times. Request our CD that includes alloy and standard tool lists.

Materials

Coleman Microwave Co. 2123
Edinburg, VA

K. Coleman, J. Coleman, D. Braithwaite

High reliability, high performance diplexers, automated tuning diplexers, remote tunable filters, dual tunable filters, weather radar components, tunable bandpass filters, waveguide assemblies, couplers, high power circulators and isolators.

Attenuators, Couplers, Filters, Isolators/Circulators, Phase Shifters, Power Dividers, Terminations, Waveguide/Waveguide Components

Colorado Microcircuits 1049
Loveland, CO

G. Thalman

High volume contract assembly services. Air cavity ceramic QFN. Air cavity plastic (LCP). High power bi-polar and LDMOS. www.coloradomicrocircuits.

Services

COM DEV International 904
Cambridge, ON, Canada

D. Cromarty

Custom surface acoustic wave devices, filters and delay lines for commercial, military and aerospace applications. Specialized test hardware and software for RF systems.

Filters, Isolators/Circulators, SAW Devices, Switches, Terminations, Test and Manufacturing Equipment, Waveguide/Waveguide Components

Commercial Microwave Technology 1150
Rancho Cordova, CA

T. Rankin, J. Davis, R. Wilson, E. Horn

Commercial Microwave Technology (CMT Inc.) manufactures high performance cavity and lumped element filter products up to 40 GHz for wireless and commercial applications as well as space qualified, hi-reliability and military products. Typical filter topologies offered are: bandpass, highpass, lowpass, band reject, delay filters, duplexers, diplexers, multiplexers, filter based assemblies and high selectivity splitters and combiners.

Filters

Communications & Power Industries 1936
Palo Alto, CA

Compac Development Corp. 2234
Holbrook, NY

P. Rao

Compac Development Corp. is a manufacturer of RF/EMI shielded enclosures, both standard and custom. Three methods of construction, with the most RF tight yielding 80 dB through 20 GHz, the most RF tight available in the market today. 500 standard sizes "off the shelf" and the ability to manufacture custom "build to print."

Shielding

- Compex Corp.** 1833
West Berlin, NJ
D. Gordon, D. Moody
Family-owned and operated since 1976, the specialist in single-layer ceramic parallel-plate microwave chip capacitors, including ultra high K X7R. Full line of submounts and conductive mounting shorts. Gold, tin and silver terminations on most parts. Delivery in days. New 72 hour custom thin film and laminate boards.
Resistors/Capacitors/Inductors
- Component Distributors Inc.** 1537
Denver, CO
S. DiNatta
Distributor of RF/microwave, power solutions and sensor technologies. RF/microwave manufacturers distributed: Skyworks Solutions, Eudyna Devices, Vectron International, Tensolite, Aethercomm, Dielectric Labs, Novacap, Syfer, Integration Associates, Micro Linear (RFMD), Mini-Circuits, CML Microcircuits, Micro-Coax, Radiall, RF Industries, Trans-Tech, Mercury United, Sirit Inc., Skyetek, Unigen.
Amplifiers, Attenuators, Connectors/Cable/Adapters, Couplers, Diodes/FETs/Transistors, Filters, Hybrids, Mixers/Modulators/Detectors, MMICs, Optoelectronic Components/Fiber Optics, Oscillators, Phase Shifters, Power Dividers, Power Supplies, Resistors/Capacitors/Inductors, RFICs, SAW Devices, Synthesizers, Systems/Subsystems, Switches, Terminations
- COMSOL Inc.** 318
Burlington, MA
COMSOL multiphysics is an industry-leading scientific-software package for the modeling and simulation of any physics-based system. A particular strength is its ability to account for interdependent, coupled physics, known as multiphysics phenomena. Modules for specific disciplines including chemical engineering, earth science, AC/DC, RF, heat transfer, MEMS, and structural mechanics are available.
Software
- Comtech PST** 412
Melville, NY
R. Califra, J. Ryan, J. Frumkin, G. Mendelsohn, W. Koprowski
Comtech PST (CPST) is a supplier of high power RF linear and pulsed amplifiers for the military, satellite, medical and wireless domestic and international markets. CPST's power amplifiers cover the frequency range of 0.5–6000 MHz and power levels of 10 to 10,000 W.
Amplifiers
- Connectronics Inc.** 2008
Edinburgh, IN
M. Brewer, J. Barnes
Manufacturer of uncommon, custom-designed, RF coaxial connectors, adapters and components. Also a leading manufacturer of private label and standard connectors in the USA. All parts are manufactured in the USA.
Connectors/Cable/Adapters
- Constant Wave Inc.** 348
Colorado Springs, CO
D. Metzger, M. Richards
Constant Wave develops high performance software for the processing of wireless signals. Spectro VNA is the most significant improvement in VNA time domain processing in over two decades. Spectro VSA locates the signal parameters which cause linearity problems in systems.
Software
- CoorsTek** 1419
Golden, CO
M. Melancon
CoorsTek Technical Ceramics provides a wide variety of ceramic electronic components including high-performance, ultra-pure ceramic substrates (thin, mid, and thick-film substrates), computer peripheral ESD-safe ceramics, metallized ceramic subassemblies, microelectronic components, Gaiser® brand ceramic capillaries, ceramic sensors, a host of semiconductor capital equipment components, and much more.
Antennas/Radomes, Materials, Optoelectronic Components/Fiber Optics, Tubes
- Corning Gilbert Inc.** 716
Glendale, AZ
W. Jensen, D. Jones, B. LaRousse
Corning Gilbert pioneered the GPO® GPP0® and G3PO™ connectors leading the industry gold standard for coaxial push-on interconnect solutions. Today, these connectors are increasingly seen as the high frequency interconnect solutions of choice in military, satellite, wireless and telecommunications applications. Custom design solutions are available in multiposition blocks, hermetic shrouds, cable connectors, PCB mounts, blindmate interconnects (BMI), loads and adapters.
Connectors/Cable/Adapters
- Corry Micronics** 2017
Corry, PA
D. Pavlek
Corry Micronics designs and manufactures EMI/RFI filtering products, electronic components, interconnects and sub-assemblies. Micronics specializes in feedthru filters, directional couplers, splitters, isolators and circulators, waveguide components, filter plates, filter terminal blocks, filter d-sub connectors, circular MIL connectors, glass-to-metal seals and tubular capacitors.

Antennas/Radomes, Attenuators, Couplers, Filters, Hybrids, Isolators/Circulators, Oscillators, Power Dividers, Resistors/Capacitors/Inductors, SAW Devices, Switches, Waveguide/Waveguide Components

Crane Aerospace & Electronics 1927
Redmond, WA
H. Stuehrmann

Our Microwave Systems Solutions, Signal Technology brand, focuses on custom microwave subsystems, modules and components with facilities in Beverly, Massachusetts and Chandler, Arizona. Crane Aerospace & Electronics, Electronics Group, designs and manufactures high-reliability electronics for defense, aerospace and space applications. We offer solutions in power, microwave systems, electronic manufacturing and microelectronics.

Amplifiers, Couplers, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Oscillators, Phase Shifters, Power Dividers, Power Supplies, Synthesizers, Systems/Subsystems, Switches, Terminations, Waveguide/Waveguide Components

CRC Press-Taylor & Francis Group LLC 2135
Boca Raton, FL

N. Konopka

Taylor & Francis Group/CRC Press is proud to introduce the new edition of Mike Golio's best selling work, *The RF and Microwave Handbook*, 3-volume set, with contributions from 100 prominent researchers and practitioners. Visit our booth to explore our new and authoritative titles in RFM Series and take advantage of our sales: 15–25% off and specials: 50% off.

Publications

Cree Inc. 1243
Durham, NC

R. Baker

Cree is a leading innovator of wireless semiconductors that can provide significant energy and cost savings for wireless data and voice communications applications. Cree's world-class materials expertise in SiC and GaN enables devices that can handle more power in a smaller space while producing less heat than other available products.

Amplifiers, Diodes/FETs/Transistors, MMICs, Switches

Cristek Interconnects Inc. 2211
Anaheim, CA

V. Hines, M. Ellis, R. Garrett, J. Pollock

Cristek manufactures SMP and SMPM connectors, cable assemblies with combinations of RF connectors on std cable, C-Flex S (superflex) or C-Flex LL (low loss) and custom solutions. Other prod-

ucts include high density, small wire gauge connectors, cable assemblies and harnesses for military, space and medical programs. Cristek is AS9100 certified.

Connectors/Cable/Adapters, Millimeter-wave Components

Crystek Corp. 2215
Fort Myers, FL

R. Cerda, D. Loomis

Crystek Corp. designs and manufactures high performance VCOs, PLLs, VCXOs, VCSOs, etc. Crystek also offers a line of RF accessories like attenuators, amplifiers and cable assemblies.

Attenuators, Oscillators, SAW Devices, Synthesizers

CST of America Inc. 933
Framingham, MA

L. Glover, J. Hildebrand

CST develops and markets high performance software for the simulation of electromagnetic fields in all frequency bands. Its success is based on the implementation of unique, leading edge technology in a user-friendly interface. CST's flagship product, CST MICROWAVE STUDIO® facilitates fast and accurate simulation of high frequency applications including antennas, filters, multi-layer structures, SI and EMC.

Software

CTT Inc. 1231
Sunnyvale, CA

D. Dzura

Three new product families are being introduced, including: Gallium Nitride based power amplifiers for both wideband jammer applications (i.e.: 25 W from 0.5 to 2.0 GHz), as well as narrow-band radar applications (80 W from 8.5 to 9.6 GHz), in addition, several new subsystem offerings are being presented including a VME compatible, two channel I.F. conditioner to reduce spurious in super heterodyne receivers.

Amplifiers, Systems/Subsystems

Cuming Microwave Corp. 642
Avon, MA

M. Kocsik, J. Praught, M. Heafey

CMC is a worldwide leader providing engineered RF and electronic materials solutions. We provide RF absorbing materials, low loss dielectrics and composite structures. CMC manufactures and installs turnkey anechoic chamber facilities.

Antennas/Radomes, Materials, Shielding

Custom Cable Assemblies Inc. 434
Warner Robins, GA

J. DiDiego, A. DiDiego, T. DiDiego, R. Francis

Manufacturer of microwave cable assemblies.

Connectors/Cable/Adapters

- Custom Interconnects** 1053
Denver, CO
E. Petsuch
 We are the world's only manufacturer of fuzz buttons and expert at designing products that integrate them. Minimal z-profile, low distortion, high frequency and long lifecycles are just a few of our advantages. For the best in high performance RF connectors, board-to-board interposers, test sockets and fixtures, visit us today.
Connectors/Cable/Adapters, Test and Manufacturing Equipment
- Custom Microwave Components Inc.** 1750
Fremont, CA
G. Mau
 Established in 1982 and located in the San Francisco Bay area, the company designs and manufactures fine microwave control devices, multi-function assemblies and subsystems.
Attenuators, Couplers, Filters, Hybrids, Phase Shifters, Power Dividers, Systems/Subsystems, Switches
- Daa Sheen Technology Co. Ltd.** 500
Tainan, Taiwan
 We have been a professional manufacturer and exporter of RF microwave coaxial connectors: SMA/SMB/SMC/MMCX/MCX/N/BNC/TNC/FMF/7/16/1.6/5.6/SMZ/SMP/MIMI/UHF/UIIF, CATV/satellite and cable assemblies in Taiwan for over 20 years. We accept enquiries for OEM ODM, plus any special manufacturing requirements in telecommunication, military, aerospace, automotive and medical. Please contact us. We may be the best connection you make.
Connectors/Cable/Adapters
- dBrm** 1806
Oakland, NJ
M. Cagney
 Low cost synthesizers, carrier/noise generators and satellite link emulators with multi channel RF frequency converters to Ku/Ka band.
Synthesizers, Systems/Subsystems, Test and Manufacturing Equipment
- Delta Electronics Mfg. Corp.** 943
Beverly, MA
T. Hannan, M. Reagan
 Delta Electronics Mfg. Corp. is a global manufacturer of RF/microwave and millimeter-wave connectors, cable assemblies and related value added assemblies. Our manufacturing operations in the USA and Nanjing, China, allow us to compete in the global market with price-competitive and quality products.
Connectors/Cable/Adapters
- DeWeyl Tool Company Inc.** 408
Petaluma, CA
W. Cline
 DeWeyl provides the finest quality bonding wedges in the world. Located in Petaluma, CA, DeWeyl's primary business is manufacturing wirebond wedges and custom high precision tooling for the semiconductor, aerospace, and medical industries. DeWeyl produces wedges made from ceramic, titanium and tungsten carbide for small and large round wires and ribbons.
Amplifiers, Attenuators, Filters, Hybrids, MMICs, Phase Shifters, Power Dividers, Power Supplies, Services
- Diablo Industries Thin Film** 1751
Minden, NV
M. Hill, S. Burt, G. Steward
 Thin film interconnect devices using standard metalization as well as thick copper (0.005") traces which can be incorporated on the same substrate. Solid copper and plated thru vias are also available. Materials include Al₂O₃, AlN, BeO, fused Silica and Sapphire.
Hybrids, MMICs, Optoelectronic Components/Fiber Optics, Resistors/Capacitors/Inductors
- Diamond Antenna** 1810
Littleton, MA
J. Macmillan, J. Van Gent, J. Gilling, G. Riviezzo
 Manufacturer of waveguide and coaxial rotary couplers and Roll Rings®
Antennas/Radomes, Couplers, Waveguide/Waveguide Components
- Dielectric Laboratories Inc.** 1509
Cazenovia, NY
 DLI is the preeminent global supplier of application specific ceramic components, when customization, tight tolerance, unique technologies and exceptional customer service are required. DLI supplies RF/MW and MMW ceramic components for the aerospace, medical, military, optical, semiconductor, transportation and wireless communication markets. DLI's industry leading Disruptive Technology products will be displayed at the show.
Materials, Millimeter-wave Components, Optoelectronic Components/Fiber Optics, Oscillators, Resistors/Capacitors/Inductors, Synthesizers
- DiTom Microwave Inc.** 1202
Fresno, CA
M. Weisz, T. Weisz
 Manufacturer of ferrite isolators and circulators. Your high frequency and broadband expert in ferrite products. Over 75 items in stock. E-commerce store available online.
Isolators/Circulators

Dorado International Corp. 1202
Seattle, WA

A. Redko, L. Afonina, Y. Cohen, E. Redko
Horn antennas, microstrip, isolators/circulators; waveguide and coaxial isolators/circulators; passive waveguide parts; bend, twists, straights, couplers, attenuators, terminations.

Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Isolators/Circulators, Materials, Millimeter-wave Components, Printed Circuit Boards, Terminations, Waveguide/Waveguide Components

Dow Key Microwave 1514
Ventura, CA

L. Neeley, A. Cheung, T. Veal, S. Nazemzadeh, S. Akimtsev

Dow-Key Microwave, a Dover Corporation company, has been a leader in the design and manufacture of products to direct RF energy since 1945. Dow-Key is showcasing its new and existing products from individual switches to integrated switching solutions including its standard switch matrix line and custom RF systems.

Systems/Subsystems, Switches, Test and Manufacturing Equipment, Waveguide/Waveguide Components

Ducommun Technologies Inc. 503
Carson, CA

Ducommun Technologies (DCO) has served the aerospace, defense, oil and telecommunications markets for over 40 years. We design and build RF/microwave coaxial switches, switch matrices and millimeter-wave systems and components. An ISO-9001 registered company, Ducommun has the technical and manufacturing resources to support a variety of industry applications. Microwave coaxial switches. Millimeter components. Microwave and millimeter sub-systems.

Amplifiers, Attenuators, Couplers, Filters, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Oscillators, Phase Shifters, Power Dividers, Systems/Subsystems, Switches, Terminations, Test and Manufacturing Equipment, Waveguide/Waveguide Components

DuPont Electronic Technologies 1518
Research Triangle Park, NC

J. Voultos, S. Simpsons

Thick film and Low Temperature Cofired Ceramic (LTCC) GreenTape™ solutions that deliver lower system costs, high density interconnect, and TCE compatibility. Interra™ embedded passive materials that improve the noise performance of high-speed signals, lower EMI, and save real estate/cost by replacing surface mount capacitors.

Amplifiers, Antennas/Radomes, Attenuators, Diodes/FETs/Transistors, Filters, Hybrids,

Materials, Printed Circuit Boards, Resistors/Capacitors/Inductors, RFICs, Signal Processing Components, Switches, Terminations

Dyconex AG 1253
Bassersdorf, Switzerland

T. Jacob

Based in Switzerland, Dyconex has been in the PCB business for more than 35 years and delivers leading-edge interconnect solutions for the flex, rigid-flex and rigid segments. Dyconex holds extensive expertise in the production of high reliable HDI, RF and High-Tg circuit boards for medical, defense, industrial and semiconductor applications.

Dynawave Inc. 1932
Haverhill, MA

T. Scannelli, D. Cook

Dynawave designs, develops and manufactures RF and microwave interconnect solutions. Our product diversity includes connectors, terminators, test adapters, attenuators, delay lines, harnesses and low cost test and system cable assemblies. Dynawave's connector interfaces: SMA, SSMA, SMB, SMC, SMP, SMPM, SMPSM, SMT, BMA, BMAM, MCX, MMCX, TNC, KTNC, N, HN, SC, 7/16, 2.4 mm, 2.92 mm and 3.5 mm.

Connectors/Cable/Adapters

e2v 535
Chelmsford, Essex, UK

B. Coaker, N. Priestley, H. Bishop, D. Beckett

e2v is an established world class designer, developer and manufacturer of microwave components and sub-systems providing solutions for the medical and science, aerospace and defense plus commercial and industrial arenas.

Amplifiers, Filters, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Oscillators, RFICs, Systems/Subsystems, Tubes

EADS North America Test & Services 1632
Irvine, CA

A. Watson, D. Turpin, K. Leduc

EADS North America Test and Services designs and manufactures modular switching and signal sources—COTS to configurable—for a wide variety of RF and microwave applications, regardless of platform. From off-the-shelf switching and instrumentation products to complete turnkey test systems, we are the "supplier of choice."

Systems/Subsystems, Switches, Test and Manufacturing Equipment

Eagle Comtronics 850
Liverpool, NY

D. Hauf, T. Owens

Eagle Comtronics, an ISO 9001 certified small business, specializes in the design and manufac-

ture of RF/microwave filters and components to 20 GHz. Standard products include tubular, cavity, L/C and air coils products for both custom and volume requirements. Using state-of-the-art design tools, Eagle offers quick turnaround and unsurpassed quality.

Couplers, Filters, Power Dividers, Resistors/Capacitors/Inductors

Eclipse Microwave Inc. 1202
San Jose, CA

J. Rapadas, GP. Chin, YK Soo

Eclipse Microwave is a premier supplier of microwave components for the military and wireless communication industries. Our standard products include microwave mixers, frequency doublers, microwave detectors, and microwave PIN diode limiters. Triple-balanced mixers, double-balanced mixers, iso-mixers, image reject mixers, I-Q modulators, frequency doublers, frequency doubler-amplifiers, Schottky diode detectors, tunnel diode detectors, and more.

Amplifiers, Attenuators, Couplers, Diodes/FETs/Transistors, Mixers/Modulators/Detectors, Signal Processing Components, Systems/Subsystems

EE-Evaluation Engineering 2153
Nokomis, FL

P. Milo

Evaluation Engineering is the pioneering magazine serving engineers and managers responsible for test and total product quality in the design, development, manufacturing, and service of electronic products and systems. *Evaluation Engineering* is geared toward buyers of test and measuring instruments, automated test equipment, environmental test equipment, and communications test instruments.

Publications

Egide 326
Cambridge, MD

K. Williamson, J. Collins

Egide designs and manufactures hermetic glass-to-metal and ceramic-to-metal packaging for telecommunications, industrial, military and aerospace applications. Products include: 14-pin butterflies, minidil and various plug-in and flat pack style packages. Our products protect optical devices and circuits that control wave monitoring, guided missiles, flight control operations and more.

Hybrids, Optoelectronic Components/Fiber Optics, Services, Signal Processing Components

Elcom Technologies Inc. 736
Rockleigh, NJ

J. Milo, D. Duris, C. Scheetz

Elcom designs and manufactures instruments and modules in the RF and microwave frequency spectrum broadband and narrow band applications in

ATE, aerospace/defense, SIGINT and commercial communications. Proprietary technologies include low phase noise fast switching direct analog synthesis, low noise indirect PLL designs, and RF DSP up to 40 GHz.

Antennas/Radomes, Oscillators, Synthesizers, Systems/Subsystems

Electro Rent Corp. 610
Van Nuys, CA

J. Hart, J. Curtin

Electro Rent, a leading test equipment supplier for rent, lease, sell or trade since 1965, with offices in the US, Canada, China and Europe, carries the latest spectrum analyzers, signal generators, network analyzers, phase noise measurement solutions and more, from Agilent, Anritsu, Boonton, Rohde & Schwarz, Tektronix, etc. www.electrorent.com or 800-688-1111.

Amplifiers, Antennas/Radomes, Millimeter-wave Components, Mixers/Modulators/Detectors, Power Supplies, Services, Synthesizers, Test and Manufacturing Equipment, Waveguide/Waveguide Components

ElectroMagneticWorks Inc. 1753
Montreal, QB, Canada

A. Khebir

ElectroMagneticWorks provides finite element-based field analysis software fully embedded inside SolidWorks® for high and low frequency analysis and design of arbitrary 3-dimensional structures. Its high frequency package, HFWorks, offers S-parameter, resonance, antenna and scattering capabilities at affordable cost with high accuracy and unparalleled ease of use.

Software

EM Research Inc. 2138
Reno, NV

S. Talbot, P. List, J. Guinan, M. Eiting, C. Van Kirk

Your ultimate source for miniature frequency synthesizers. EM Research manufactures high-performance standard and custom-engineered frequency sources for commercial and military systems. Coverage is from 4 MHz to over 18 GHz, from fixed-frequency to multi-octave bandwidths. Features include fast switching, low phase noise and low power consumption. Surface-mount and modular packages available.

Oscillators, Synthesizers

EM Software & Systems (USA) (FEKO) 324
Hampton, VA

C.J. Reddy

FEKO is a software suite for antenna design and placement, EMC, microstrip antennas and circuits, scattering analysis, RFID design, etc. FEKO is widely used in aerospace, automotive, and naval industries. www.feko.info

Software

- EMAG Technologies Inc.** 2029
Ann Arbor, MI
K. Sebet, J. Munn, B. Newhouse
EMAGWARE.com, a division of EMAG Technologies Inc., provides flexible software tools to assist RF engineers with the design and simulation of complex electromagnetic structures and wireless networks. Our innovative and easy-to-use CAD, simulation and data visualization tools are relied upon throughout the industry and government to deliver accurate solutions.
Services, Software
- EMC Technology Inc.** 1523
Stuart, FL
D. Bernstein, G. Moore, V. Sanders, K. Wink, D. Raymond, P. Balcom, F. DiPento, M. Sonstein, P. Biebersmith, G. Orozco, R. Torsellio, J. Walker, A. Fejzuli
An internationally recognized leader in the development and manufacture of thin and thick film RF and microwave resistive components, signal distribution products, and cable assemblies. We provide products to the telecom, wireless, broadcast, medical, space, aerospace, military and test & measurement market segments including attenuators, temperature variable attenuators (Thermopad), power sensing terminations (Smart Load), resistors, terminations, equalizers and more.
Attenuators, Connectors/Cable/Adapters, Couplers, Power Dividers, RFICs, Signal Processing Components, Terminations
- EMCO Elektronik GmbH** 852
Planegg, Germany
C. Seel, D. Waser
Sales representatives for US located companies in Germany, Austria and Switzerland for RF and microwave test and measurement equipment and components.
Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Terminations
- Emcore (formerly Ortel)** 1705
Alhambra, CA
For over 50 years, Emcore's Ortel Technology has lead the industry in microwave fiber-optic links and delay lines for cable TV, satellite antennas, military sensing, electronic warfare and radar calibration. Today we introduce our revolutionary THz Spectrometer that generates and senses continuously tunable radiation from 1 GHz to 2 THz.
Millimeter-wave Components, Optoelectronic Components/Fiber Optics, Systems/Subsystems, Test and Manufacturing Equipment
- Emerson & Cuming** 313
Billerica, MA
D. Katze
Emerson & Cuming designs adhesive material solutions for electronic industries. Our adhesive, conductive inks, encapsulant, and sealant technology formulations are based on epoxy, urethane, silicone and proprietary hybrid chemistries. We formulate materials for applications in automotive electronics, handheld devices, RFID, OLED displays, Green and Portable Energy (GAPE), and Photovoltaics industries.
Materials
- Emerson & Cuming Microwave Prod.** 1113
Randolph, MA
C. Manning, M. Plante, J. Wooley, M. Carpenter
Manufactures ECCOSORB[®] microwave absorbing materials and anechoic materials; ECCOSTOCK[®] dielectric materials for low-loss RF and microwave applications; ECCOSHIELD[®] electrically conductive sheets, caulks, adhesives and coatings; and ECCOPAD[®] MetalTag, standard and custom isolators with built in tag for RFID read-on metal and liquid problems. ISO 9001:2000 registered. www.eccosorb.com
Antennas/Radomes, Materials, Shielding, Terminations, Waveguide/Waveguide Components
- Emerson Connectivity Solutions** 1143
Bannockburn, IL
J. Sybilrud, M. Jensen, R. Fontenot, D. Bogart
Emerson Connectivity Solution's Johnson product offering includes subminiature, microminiature and ultra-miniature RF coaxial connectors, adapters and cable assemblies (both fixed length and custom). From 40 GHz SMP connectors to 75 other MCX connectors, to UMC ultraminatures, Johnson has the connectors for you.
Connectors/Cable/Adapters
- Empower RF Systems** 2105
Inglewood, CA
T. Koster
RF and microwave high power, solid state, amplifier systems, front ends and transmitters. Design and manufacturing for military, aerospace, and special projects worldwide. Products cover broadband, general communications, matched band and personal communications. Frequencies are 10 kHz to 18 GHz. Output power levels 1–2500 W.
Amplifiers, Couplers, Isolators/Circulators, Systems/Subsystems, Test and Manufacturing Equipment
- Endicott Interconnect Technologies** 335
Endicott, NY
V. Wells, G. Ackerman, M. Rowlands
Endicott Interconnect Technologies Inc. is a world-class supplier of high-I/O, high-performance organic chip packages for wire bond and flip chip applications; printed circuit boards; electronic assembly services; and electronic packaging services. Services can be provided from initial concept to fin-

ished design. Visit www.endicottinterconnect.com for more information.

Power Supplies, Printed Circuit Boards, Systems/Subsystems

Endwave Corp. – Telecom Division 916
San Jose, CA

M. Hebeisen, S. Layton, D. Teuthorn, A. Sweeney, L. Provost, S. Choate

Endwave (Nasdaq: ENWV) provides innovative solutions that enable the transmission, reception and processing of high-frequency signals in wireless telecom, defense, and homeland security systems from 1–100 GHz. Endwave's commercial telecom business unit has supplied nearly half a million transceivers for microwave and mm-wave point-to-point radios for "backhauling" of broadband voice, data, and video traffic within cellular and WiMAX networks.

Amplifiers, Attenuators, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Oscillators, Phase Shifters, Services, Synthesizers, Systems/Subsystems, Switches

Endwave Defense & Security Division 916
San Jose, CA

M. Hebeisen, D. Hall, D. Teuthorn, M. Faulkner, N. Austin, D. Manzzi, C. Piercy

Endwave Defense & Security supplies 1–100 GHz components and subsystems for "intelligent battlefield" initiatives, electronic warfare (EW) and signal intelligence (SIGINT) platforms, test and measurement, perimeter detection alarms, atmospheric monitoring equipment, mm-wave portal scanners and stand-off imaging cameras for weapons, explosives, and contraband detection. Our products include JCA and ALS amplifiers (LNAs, MPAs, HPAs) and log amps, integrated transceivers, and more.

Amplifiers, Attenuators, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Oscillators, Phase Shifters, Services, Synthesizers, Systems/Subsystems, Switches

Equipment Management Technology 330
Las Vegas, NV

P. Levasseur, V. Longo

EMT's range of services include short term rental, operating and finance lease programs of electronic test equipment. Our IAS calibration laboratory is ISO/IEC 17025:2005 ANSI/540.3 certified for calibration of general purpose test equipment from DC through 50 GHz. EMT stocks high power TWTA and solid state amplifiers.

Amplifiers, Oscillators, Power Supplies, Synthesizers, Systems/Subsystems, Test and Manufacturing Equipment

ET Industries 2011
Boonton, NJ

V. Chan

10 MHz to 65 GHz RF components - directional couplers, power dividers, antenna beamforming networks, 90° hybrid couplers, 180° hybrid couplers, and QPSK modulators.

Antennas/Radomes, Couplers, Hybrids, Millimeter-wave Components, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Systems/Subsystems

ETS-Lindgren 304
Cedar Park, TX

ETS-Lindgren is the leading supplier of RF and microwave test systems and equipment. Products include shielded test cells, chamber systems, multi-axis positioners, fixed length dipoles, horn antennas, antenna measurement software, and systems, GTEM/TEM cells and more. Please contact us at 512.531.6400, or visit our website at www.ets-lindgren.com.

Antennas/Radomes, Filters, Services, Shielding, Software, Test and Manufacturing Equipment

Eudyna Devices Inc. 1543
San Jose, CA

C. Burnett, W. Gould, J. Shumaker

New GaAs and GaN products from Eudyna Devices Inc. provide total RF solutions with complete lineups for cellular BSTN, WiMAX, SATCOM, digital radio, VSAT, DBS, FWA and mobile terminals. GaAs products include low noise HEMTs, power FETS, LNA and power MMICs. A high power GaN HEMT will be demonstrated at Booth 1543.

Amplifiers, Diodes/FETs/Transistors, Millimeter-wave Components, MMICs, Optoelectronic Components/Fiber Optics, Switches

European Microwave Week 611
London, UK

M. Zoghob

European Microwave Week is Europe's largest event dedicated to RF, microwave, radar and wireless technologies. EuMW2008 takes place 27–31 October at the RAI, Amsterdam, and combines a leading international exhibition, four major conferences, associated workshops and short courses. EuMW2008 will provide an invaluable platform for the industry's leading international players and the latest technological advances.

Excelics Semiconductor Inc. 1432
Sunnyvale, CA

A. Herbig, J. Harris, T. Chow

Excelics manufactures high power GaAs discrete FETs, IMPETs, MMICs and radio band transceivers. Recently the company introduced a new series of products that integrate MMIC drivers with an IMPET output known as the EIM series of components. This product family combines excellent gain, power, IMD and VSWR performance in a single package.

Diodes/FETs/Transistors, MMICs

- EZ Form Cable Corp.** 1552
Hamden, CT
J. Buccitti, S. Lucci, F. Volpe
Manufacturer of coaxial cable, semi rigid, hand formable, flexible, cable assemblies, delay lines, phase matched assemblies, coaxial connectors, adapters and related products.
Connectors/Cable/Adapters, Couplers, Systems/Subsystems, Terminations
- F&K Delvotec Inc.** 1942
Foothill Ranch, CA
J. Ettipio, S. Kazemi
F&K Delvotec offers a wide range of equipment including automatic, semi-auto and manual fine wire wedge bonders, ball bonders, ribbon bonders and heavy wire bonders. We also offer test equipment for wire pull, die shear, ball shear and ultrasonic transducer systems.
Amplifiers, Hybrids, Services, Systems/Subsystems, Test and Manufacturing Equipment
- Farran Technology Ltd.** 1527
Ballincollig, County Cork, Ireland
C. Coxhead, R. O'Dell, D. Gibbons
Design and manufacture millimeter-wave components and subsystems. Specializing in sources, frequency converters, radar transceivers, and frequency extenders. We are proud to announce our new line of standard VNA frequency extenders, covering 40–110 GHz, for all major brands.
Amplifiers, Filters, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Oscillators, Power Dividers, Systems/Subsystems, Test and Manufacturing Equipment
- FCT Electronics LP** 848
Torrington, CT
D. Gammell
Manufacturer of standard and combination D-sub-miniature, surface mount, high density and filtered connectors; blind mate coaxial contacts; SMA, SMB, MCX and F connectors; plastic and shielded hoods/backshells; cable assemblies, delay lines and harnesses.
Connectors/Cable/Adapters
- The Ferrite Co. Inc.** 2257
Nashua, NH
C. Parker, W. Alton, P. Alton
The Ferrite Co. designs/manufactures high power waveguide and coaxial circulators, isolators, couplers and terminations from 100 MHz to 40 GHz, used in military, medical, R&D, industrial, communications and commercial applications. Ferrite's recent acquisition of RF Technologies includes tuners, couplers, filters, switches, phase shifters, power combiners and DC breaks. For over 20 years, Ferrite has been dedicated to exceeding customer performance requirements.
- Attenuators, Couplers, Isolators/Circulators, Millimeter-wave Components, Phase Shifters, Power Dividers, Services, Terminations, Waveguide/Waveguide Components*
- Fitel Microwave Inc.** 2018
Vaudreuil-Dorion, QB, Canada
D. Gagne, C. Sutton
Fitel Microwave Inc. specializes in the design and manufacture of high-performance cavity filters and diplexers. Our main focus is point-to-point radio, cellular and satellite communications up to 50 GHz. Formed in 2006, Fitel (Suzhou) was recently added to offer Fitel's superior technology, to our Asian customers.
Couplers, Filters, Isolators/Circulators, Power Dividers, Waveguide/Waveguide Components
- Filtran Microcircuits Inc.** 737
Ottawa, ON, Canada
- Firan Technology Group** 342
Toronto, ON, Canada
B. Clarke
FTG is a manufacturer of exotic printed circuit cards for the military, aerospace and RF markets. FTG uses a variety of Rogers and Taconic raw materials.
Printed Circuit Boards
- Flann Microwave Ltd.** 2143
Bodmin Cornwall, UK
K. Fenemore-Jones
Waveguide components and systems from 1 to 325 GHz in rectangular and double ridge. In addition to an extensive catalogue range of test and measurement components, Flann offers SATCOM products including switches, high-power terminations, combiners, HPA combiner/redundancy units, OMTs, antennas and tri-band. Also mm-wave cal kits, couplers, attenuators, and frequency meters up to WG32 (WR3).
Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Millimeter-wave Components, Phase Shifters, Systems/Subsystems, Switches, Terminations, Test and Manufacturing Equipment, Waveguide/Waveguide Components
- Flexco Microwave Inc.** 1933
Port Murray, NJ
D. Beene, R. Johansen, B. Bright, B. Pote Sr.
Custom precision flexible coaxial cable assemblies "Since 1970." DC to 50 GHz. Our patented convoluted metal outer conductor design provides phase and amplitude stability during flexure and temperature cycling. Phase matching thousands of cable assemblies to each other is easily achieved. Flexco's assemblies are inherently armored/rugged.
Connectors/Cable/Adapters

- Florida RF Labs Inc.** 1523
Stuart, FL
D. Bernstein, G. Moore, V. Sanders, K. Wink, D. Raymond, P. Balcom, F. DiPento, M. Sonstein, P. Biebersmith, G. Orozco, R. Torsellio, J. Walker, A. Fejzuli
An internationally recognized leader in the development and manufacture of thin and thick film RF and microwave resistive components, signal distribution products, and cable assemblies. We provide products to the telecom, wireless, broadcast, medical, space, aerospace, military and test & measurement market segments including attenuators, temperature variable attenuators (Thermopad), power sensing terminations (Smart Load), resistors, terminations, equalizers, and more.
Attenuators, Connectors/Cable/Adapters, Couplers, Power Dividers, Resistors/Capacitors/Inductors, Signal Processing Components, Terminations
- Focus Microwaves Inc.** 643
Montreal, QC, Canada
- Fotofab** 734
Chicago, IL
A. Anzalone
Fotofab specializes in manufacturing precision thin metal parts to customers' specifications. Parts are produced quickly and cost effectively in prototype and production quantities. Common applications include RF shields, step lids, screens, apertures, lead frames, enclosures, connector housings and deposition masks. Standard delivery is 2 weeks with 3-day and 5-day options available.
Shielding
- Freescale Semiconductor** 915
Austin, TX
A. Bellomy
Offering a broad portfolio of RF power products, Freescale Semiconductor serves numerous RF markets including wireless infrastructure, broadcast, industrial, scientific and medical markets. Freescale's leading RF power products meet increasing demands of ISM, microwave and personal communication systems, including cellular infrastructure, broadband data, WiMAX, LTE, HF/VHF/UHF broadcast and land mobile. www.freescale.com/rfpower.
Amplifiers, Diodes/FETs/Transistors, RFICs, Signal Processing Components
- FujiFilm Dimatix Inc.** 2236
Santa Clara, CA
J. Sumarel
FujiFilm Dimatix's Materials Printer (DMP) has been accepted as the industry standard for the accelerated development of ink jet solutions in electronics, displays, life sciences and other industries. It is a cost-effective, easy-to-use tool that enables the precise deposition of fluids with a disposable piezoelectric ink jet 1- or 10-picoliter cartridge.
Systems/Subsystems, Test and Manufacturing Equipment
- G-Way Microwave/G-Wave Inc.** 2232
S. Hackensack, NJ
D. Giordano, G. David, A. Kofler, J. Shah
G-Way Microwave/G-Wave Inc. design and manufacture RF components such as: duplexers and duplexers, filters, delay lines, power amplifiers, low noise amplifiers and systems for the wireless communications market. Additionally, G-Way Microwave/G-Wave design and manufacture BDAs, FoBDAs and fiber links, TMAs, lab amplifiers, turn-key solutions including private labeling.
Amplifiers, Couplers, Filters, Power Dividers, Services
- General Dynamics Satcom Technology** 638
Torrance, CA
- Gerotron Communication GmbH** 852
Graefelfing, Germany
G. Schmidt, S. Schmidt
Gerotron is a major European service company on RF/Comms. Profound market research. Analysis of competitive situation, e.g. SWO1 analysis. Trial campaigns for new products or services, pinpointed at target profiles. Advice on choosing consultants and benchmarking representatives, agents or distributors. Human resource services on executive level.
Antennas/Radomes, Attenuators, Diodes/FETs/Transistors, Hybrids, Isolators/Circulators, Materials, MMICs, Optoelectronic Components/Fiber Optics, Publications, RFICs, Services Signal Processing Components, Software, Systems/Subsystems, Test and Manufacturing Equipment, Waveguide/Waveguide Components
- GGB Industries Inc.** 950
Naples, FL
- Giga-tronics Inc.** 1115
San Ramon, CA
R. Gill, R. Cross, J. Regazzi, J. Lum, K. Positeri, P. Bowen, D. Emerick, C. Rix
Giga-Tronics Inc. (Nasdaq "GIGA"), headquartered in San Ramon, California, is an internationally leading engineering-and-design manufacturer of generators, microwave frequency synthesizers, VXI and PXI modular switches, VXI and PXI modular instrumentation, power measurement instrumentation, signal sources, sweepers, and YIG components, for use in a multitude of test and measurement applications. URL: www.gigatronics.com.
Oscillators, Synthesizers, Systems/Subsystems, Switches, Test and Manufacturing Equipment

- GigaLane Co. Ltd.** 2037
 Suwon, Gyeonggi-Do, Korea
R. Song
 GigaLane is a world leader in the design, manufacture and marketing of RF & MW connectors, cable assemblies and components. GigaLane's main products are high performance SMA, low loss cable assemblies and RF test equipment that offer low cost and high performance solution for wireless communication.
Connectors/Cable/Adapters, Millimeter-wave Components, Terminations, Test and Manufacturing Equipment
- Global Comm Semiconductors** 437
 Torrance, CA
S. Yu
 The leading compound semiconductor wafer foundry services provider with a broad technology portfolio and high volume production facility to serve the RF, MMIC and optoelectronics industries.
Amplifiers, Attenuators, Filters, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Optoelectronic Components/Fiber Optics, Phase Shifters, RFICs, SAW Devices, Services Switches, Waveguide/Waveguide Components
- Good Will Instrument Co. Ltd.** 332
 Tucheng City, Taipei, Taiwan
 GW Instek has more than 30 years experience in the test and measurement industry since 1975. The product portfolio includes more than 150 products across five product lines: oscilloscope, spectrum analyzer, signal source, power supply, as well as component and safety testers. Together with our experience and expertise, this allows us to deliver high-performance test solutions to meet customer needs.
Power Supplies, Test and Manufacturing Equipment
- WL Gore & Associates Inc.** 1429
 Elkton, MD
J. Haupt
 Gore is a leading supplier of state-of-the-art, high performance cable and cable assemblies for microwave and high speed digital applications. Other products offered by Gore include EMI board level shields and gaskets, prepreg material, thermal interface material and bulk cable. www.gore.com
Connectors/Cable/Adapters, Materials, Shielding
- Gowanda Electronics** 2032
 Gowanda, NY
D. Kohlhaagen
 Manufacturer of magnetic components (coils, inductors) for the electronics industry. Facilities are ISO 9000, AS 9100, ISO 13485 and offer complete in house environmental testing capabilities.
Resistors/Capacitors/Inductors
- Greenray Industries Inc.** 2233
 Mechanicsburg, PA
P. Myers, W. Bolton, J. Esterline
 Greenray Industries is a leading designer and manufacturer of precision quartz crystal oscillators including OCXO, TCXO and VCXO products for communications, wireless, SATCOM, WiMAX, instrumentation and global navigation systems.
Oscillators
- Gryphics Prod Grp/Cascade Microtech** 1144
 Plymouth, MN
- GT Microwave Inc.** 1700
 Randolph, NJ
G. Apsley, J. Levy, T. Baliotis, N. Baliotis, R. Apsley, T. Zaleski, A. Kulp, C. Hinton, E. Baliotis
 A designer and manufacturer of PIN diode microwave components offering catalog or custom, optimized narrowband or broadband components that operate from 20 MHz to 32 GHz. Electronically controlled analog or digital devices include switches, attenuators, phase shifters, I&Q vector modulators and custom sub-assembly integration.
Attenuators, Couplers, Hybrids, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Systems/Subsystems, Switches
- Hantechnic Inc.** 2116
 Yong-Kang City, Tainan, Taiwan
A. Chen
 A leading RF/Microwave connector, cable assembly and module supplier.
Connectors/Cable/Adapters
- Harbour Industries** 607
 Shelburne, VT
J. Palasciano, K. Peet, S. Dike
 Manufacturer of high performance cable including MIL-C-17 coax, LL & LLS low loss and SS spiral strip. Coaxial cables have been designed for communications, aerospace, and military markets. Applications include wireless & cellular communications, antenna systems, microwave test leads, and RF transmission lines. Harbour's cables are marketed through distributors and assembly houses in North America, Europe, and Asia.
Connectors/Cable/Adapters
- Haverhill Cable & Mfg. Corp.** 2234
 Haverhill, MA
T. Kneeland
 Semi rigid coaxial cable components, assemblies and delay lines.
Connectors/Cable/Adapters
- Helic SA** 2125
 Athens, Greece
N. Provatas
 Helic develops EDA technologies for RFIC and sys-

tems-in-package (SiP) design. Helic's VeloceRF™ is the leading EDA tool for integrated inductor synthesis, modeling, and verification and VeloceWired™ is the industry's first solution for rapid bondwire design, modeling and extraction, enabling true chip-package co-design in the same design flow.

Software

Herley Industries Inc. 1614
Lancaster, PA

J. McClay, R. Badami, T. Djemil, K. Pinsker

Leading manufacturer of RF and microwave components including integrated microwave assemblies, amplifiers, synthesizers and up/down converters.

Amplifiers, Attenuators, Filters, Hybrids, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Oscillators, Phase Shifters, Synthesizers, Systems/Subsystems, Switches, Tubes

Herotek Inc. 1645
San Jose, CA

C. Lai, S. Lai, S. Hartman, C. Lai

Impulse generators with less than 100 psec pulse width for input frequencies 100 MHz up to 10 GHz. Detectors covering frequencies up to 75 GHz. Other products include comb generators, limiters, switches and integrated subassemblies.

Amplifiers, Millimeter-wave Components, Mixers/Modulators/Detectors, Signal Processing Components, Switches

Hesse & Knipps Inc. 1149
San Jose, CA

J. Stong, F. Rondinelli, J. Bubel, M. Eichhorn

Hesse & Knipps develops and manufactures automatic wedge bonders, thin and heavy wire bonders, ribbon bonders, flip chip bonders and related equipment for semiconductor backend assembly. The BONDJET BJ820 handles gold or aluminum round wire from 12.5 to 85 micron and places up to 6 wires/sec with 1 μm @ 3σ repeatability, and offers full ribbon bonding capability.

Test and Manufacturing Equipment

High Frequency Electronics 2147
Bedford, NH

S. Spencer, G. Breed, T. Burkhard, G. Rhodes, N. Breed, K. Landmark, K. Neighbour

High Frequency Electronics is the monthly magazine for design engineers and managers seeking ideas and solutions involving analog, digital, RF, microwave, mm-wave, and optical technologies. The market-driven content covers materials, devices, components, test equipment, computer aided design, systems, subsystems, and the latest information on design techniques, applications and solution-oriented new products.

Publications

Hirai SK Corp. 312
Tokyo, Japan

Y. Kobayashi, M. Fujimoto

Hirai focuses on LTCC foundry service targeting higher Q for RF and mm-wave applications, provides RF design supports and test services and ships the in-house plated LTCC substrates in a week. At the booth, the design kit CD will be available, and lead frames for power devices will be shown.

Materials, Millimeter-wave Components, Printed Circuit Boards

Hittite Microwave Corp. 1345
Chelmsford, MA

B. McGreevy, N. Hildreth

Hittite Microwave Corp. is an innovative designer and manufacturer of analog and mixed-signal ICs, modules and subsystems for RF, microwave and millimeter-wave applications covering DC to 110 GHz. Our RFIC/MMIC products are developed using state-of-the-art GaAs, GaN, InGaP/GaAs, InP, SOI, SiGe, CMOS and BiCMOS semiconductor processes utilizing MESFET, HEMT, pHEMT, mHEMT, HBT and PIN devices. Our custom and standard products support a wide range of applications.

Amplifiers, Attenuators, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Optoelectronic Components/Fiber Optics, Oscillators, Phase Shifters, Power Dividers, RFICs, Synthesizers, Switches, Test and Manufacturing Equipment

Holzworth Instrumentation 409
Boulder, CO

J. Koebel, J. Breitbarth, L. Bly

Holzworth designs and manufactures USB/ethernet programmable ultra low phase noise synthesizers and components (including FFT analyzers, LNAs, mixers, detectors, etc.). These cost effective phase noise test solutions, instruments and components are compact (highly portable) and can also be made available in custom OEM, VXI and PXI form factors.

Amplifiers, Mixers/Modulators/Detectors, Synthesizers, Test and Manufacturing Equipment

HTMicrowave Co. Ltd. 1915
HeFei, AnHui, China

S. Yujuan, Y. Guosheng

HTMicrowave Co. Ltd. is a leading global supplier of microwave components for radar, mobile communication, navigation, aerospace and electronic countermeasure systems. Large-scale R&D and manufacturing team. Customer designs are available. More details, email sunny@htmicrowave.com.

Amplifiers, Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Hybrids, Isolators/Circulators,

Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Switches, Terminations, Waveguide/Waveguide Components

Huada Intl Electronics & Technology 219
Xi'an, Shaaxi, China

Y. Jiang

Huada is an ISO certified manufacturer for electronic connectors, including RF coaxial connectors, circular connectors, D-sub connectors and miniature rectangular connectors. Huada is facilitated with full lines of precision processing and plating machinery and advanced testing devices. Huada provides customer connectors, cable assemblies and connection solutions.

Connectors/Cable/Adapters

HUBER+SUHNER Inc. 701
Essex Junction, VT

C. Celebi, A. Criscuolo, E. Flynn, D. Nixon, J. Studebaker

The HUBER+SUHNER GROUP is a leading global supplier of components and systems for electrical and optical connectivity. We offer technical expertise in radio frequency technology, fibre-optics, and cables under one roof, thus providing a unique basis for continual innovation focused on the needs of our customers all over the world.

Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Millimeter-wave Components, Optoelectronic Components/Fiber Optics, Terminations

IEEE Communications Magazine BIN
New York, NY

E. Levine

50,000 communications engineers/managers worldwide read IEEE Communications for in-depth articles on leading edge RF and wireless communications technology. Subscribe at www.comsoc.org. For advertising information, contact e.levine@comsoc.org or call 1-212-705-8920.

Publications

IEEE Microwave Magazine 428
Piscataway, NJ

S. Schneiderman, W. Holland, C. Flynn

IEEE Microwave Magazine, the only magazine sponsored by the IEEE Microwave Theory & Techniques Society (MTT-S), is issued bimonthly and concentrates on technical, general-interest and applications-oriented articles. Markets covered include communications, navigation and guidance, aircraft, missiles, space and ground support equipment, industrial controls and systems, ICs and microprocessors, semiconductors, components, sub-assemblies, test, measurement and instrumentation.

Publications

IHP GmbH 306
Frankfurt (Oder), Germany

Dr. R. Scholz

IHP offers 0.25(0.13) μm SiGe BiCMOS technologies with HBTs up to 200(300) GHz for multi project wafer and prototyping service. Analog SiGe circuits up to 120 GHz, DAC components up to 30 GSPs and system designs for wireless applications are presented.

Amplifiers, Mixers/Modulators/Detectors, MMICs, Oscillators, RFICs, Systems/Subsystems

IKE Micro 2219
Nashua, NH

L. Farias, S. Mackenzie

IKE Micro provides build to print manufacturing services to the RF/microwave industries. ISO 9001:2000 certified. ITAR compliant. Turnkey and consignment.

Amplifiers, Attenuators, Couplers, Diodes/FETs/Transistors, Isolators/Circulators, Materials, Millimeter-wave Components, Mixers/Modulators/Detectors, Optoelectronic Components/Fiber Optics, Oscillators, Phase Shifters, Power Dividers, Power Supplies, Printed Circuit Boards, Services, Synthesizers, Switches

IMST GmbH 1746
Kamp-Lintfort, Germany

R. Follmann, D. Koether

IMST is an experienced and independent research and development company for mobile radio technology and microelectronics. IMST.solutions: Radio Systems Engineering. IMST.components: From IC to Antenna. IMST.products: Advanced Design Tools. IMST.services: Test & Approval, EMC, SAR, RF, Antennas. IMST presents EMPIRE XCell™ the ultimate design tool for microwave—ultra fast and accurate full 3D FDTD.

Amplifiers, Antennas/Radomes, Diodes/FETs/Transistors, Filters, Millimeter-wave Components, MMICs, Phase Shifters, Power Dividers, RFICs, Software, Waveguide/Waveguide Components

Infineon Technologies 1216
Milpitas, CA

K. Mar-Lam

Infineon provides a broad portfolio of LDMOS RF power transistors and ICs covering all major wireless infrastructure and broadcast frequency bands including GSM/EDGE, CDMA/WCDMA/TD-SCDMA, WiMAX, Wibro, UHF and DTV/DAB. Power levels range from 10 to 300 W and frequencies from 450 to 2700 MHz. For more information, go to www.infineon.com/rfpower.

Amplifiers, Diodes/FETs/Transistors, MMICs, RFICs

- Innertron Inc.** 308
Incheon City, Korea
H. Cho
Innertron product line includes filters, multiplexers, diplexers, low noise amplifiers, power dividers, attenuators, TMAs, along with integrated subsystems. We supply components and subsystems from 5 MHz to 18 GHz. We can support large quantity production requirements as well as prototype development opportunities.
Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Isolators/Circulators, Power Dividers, Shielding, Systems/Subsystems, Terminations
- Institute For Electronics Engineering** 852
Erlangen, Germany
T. Ussmueller
Amplifiers, Attenuators, Connectors/Cable/Adapters, Couplers, Diodes/FETs/Transistors, Filters, Hybrids, Isolators/Circulators, Materials, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Oscillators, Phase Shifters, Power Dividers, Power Supplies, Printed Circuit Boards, Publications Resistors/Capacitors/Inductors, RFCs, SAW Devices, Shielding, Signal Processing Components, Software, Synthesizers, Systems/Subsystems, Switches, Terminations, Test and Manufacturing Equipment
- Instruments for Industry (IFI)** 2007
Ronkonkoma, NY
C. Schlie, M. Yantz
Since 1953, IFI bestows global support custom designing, developing and manufacturing amplifiers ranging from DC–40 GHz. CW and pulse for the military and aerospace, medical and biological, communications, automotive and test labs. We offer TWT, solid state and tetrode tube amplifiers; antennas; E-Field sensors; TEM cells; and coax/waveguide accessories.
Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Millimeter-wave Components, Phase Shifters, Services, Systems/Subsystems, Test and Manufacturing Equipment, Tubes
- Integra Technologies Inc.** 1909
El Segundo, CA
M. Suco
Si Bipolar, VDMOS, LDMOS and GaAs pHEMT based RF/microwave transistors, 50 Ω miniaturized power amplifier (MPA) modules and full scale high power amplifiers (HPA) serving radar, avionics, ECM, communication and ISM systems. Equipped with world class 150mm wafer fabrication, assembly and test capability. Visit www.integratech.com. Tel: 1-310-606-0855.
Amplifiers, Diodes/FETs/Transistors
- International Manufacturing Svcs.** 1808
Portsmouth, RI
R. Huot, B. Black, B. Giblin, S. Durgin, D. Zirolì
International Manufacturing Services Inc. is a global leader in the manufacture and design of thick and thin film components. Their offering includes chip resistors to 350 W and 2 teraohm, chip attenuators, chip terminations, planar filter and planar dividers. IMS works closely with engineers to deliver the perfect resistive solution. Low minimum orders, unmatched quality and price competitiveness make IMS the optimal choice for SMI products.
Attenuators, Filters, Power Dividers, Resistors/Capacitors/Inductors, Terminations
- Ion Beam Milling Inc.** 932
Manchester, NH
R. Quagan, R. Pergamo, C. Losanno
Founded in 1982, Ion Beam Milling Inc. is an ISO 9001:2000 certified company, serving the micro-electronic, microwave and photonics communities in creating ultra high density micro-machined and thin film devices. The company utilizes photo-lithography and ion beam milling to fabricate electronic and mechanical elements for an array of commercial (automotive), industrial, military, satellite, biomedical, optical and magnetic applications. Learn more at www.ionbeammilling.com
Attenuators, Couplers, Filters, Millimeter-wave Components, Power Dividers, Resistors/Capacitors/Inductors
- Isotec Corp.** 847
Farmingdale, NY
E. Lee
RF/microwave connectors, RF cable assemblies, RF surge arrestors, RF attenuators, RF terminations, RF adaptors.
Attenuators, Connectors/Cable/Adapters, Terminations
- ITF Co. Ltd.** 632
Bucheon, Gyeonggi-Do, Korea
M. William
Unlimited SAW technology.
SAW Devices
- ITT Corp. – Microwave Systems** 1917
Lowell, MA
B. Lambalot, S. Larkin, J. Xavier, D. Dancredi
ITT Corp./Advanced Engineering & Sciences-Microwave Systems (ITT/MS) designs and manufactures high performance, digitally-based frequency synthesizers (WaveCor™). Utilizing our patented direct digital synthesis (DDS) techniques, ITT/MS' synthesizers deliver an optimal combination of fast switching, low phase noise and high spurious free dynamic range in support of both military and commercial applications.
Synthesizers

- IW Inc.** 908
Danbury, CT
S. Bruno, A. Nixon, E. Lagarto, K. Schretzenmayer
Microwave cable, cable assemblies, connectors, adapters.
Connectors/Cable/Adapters
- J MicroTechnology Inc.** 2142
Portland, OR
- Jacket Micro Devices Inc.** 2002
Atlanta, GA
- Jazz Semiconductor** 416
Newport Beach, CA
M. Jarrell
Jazz offers foundry services for high performance SiGe, RF CMOS, MEMS and other specialty technology targeting highly integrated RF, microwave and millimeter-wave applications. Jazz's "Silicon Radio Platform" enables single-chip, silicon-based power amplifiers, antenna switch and RF transceivers while Jazz's 200 GHz SiGe technology enables breakthrough products in emerging microwave and millimeter-wave applications.
Millimeter-wave Components, RFICs, Services
- Jersey Microwave** 2010
Hackettstown, NJ
T. Landaeta, T. Nguyen, T. Ng
Jersey Microwave develops and manufactures microwave and millimeter-wave high performance indoor and outdoor components and solutions for both military and commercial users. We are featuring our C, X, Ku and Ka-band block converters and phase-locked DROs in addition to our control components and amplifiers. Our expanded facility accommodates custom and "COTS" requirements.
Amplifiers, Attenuators, Filters, Millimeter-wave Components, Oscillators, Phase Shifters, Systems/Subsystems, Switches
- JFW Industries Inc.** 1916
Indianapolis, IN
B. Walker, S. Watkins, S. Leonard, B. Chermansky
JFW Industries Inc. is a leading manufacturer of innovative RF solutions that include attenuators, terminations, switches, power dividers, matrix switches and specialized test systems.
Attenuators, Power Dividers, Switches, Terminations, Test and Manufacturing Equipment
- Johanson Manufacturing Corp.** 1330
Boonton, NJ
C.D. Kim
High power resistive products: resistors, terminations and attenuators from SMD to coaxial. High Q trimmer capacitors, commercial and Hi-Rel. Tuning elements with metallic, ceramic, dielectric resonators. RF and microwave custom solutions. Serving military, space, commercial, broadcast and medical applications requiring non-mag items.
Attenuators, Resistors/Capacitors/Inductors, Signal Processing Components, Terminations
- Johanson Technology Inc.** 1912
Camarillo, CA
J. Petrinec, S. Horton, W. Hautaniemi, D. Eberhart, D. Murphy, J. Kitt
Johanson Technology Inc. provides high frequency ceramic solutions for cellular, WiFi, WiMAX, UWB, GPS, Bluetooth, RF/microwave and fiber optic applications. JTI offers a complete line of industry leading high-Q/low ESR capacitors and a broad range of single layer capacitors, RF ceramic inductors, wire wound inductors, antennas, baluns, filters, couplers and diplexers.
Couplers, Filters, Resistors/Capacitors/Inductors
- Johnson** 1143
Waseca, MN
J. Sybilrud, M. Jensen, R. Fontenot, D. Bogart
Johnson's product offerings include: subminiature, microminiature and ultraminiature RF coaxial connectors, adapters, and cable assemblies with fixed length and custom. Ranging from 40 GHz SMP connectors to 75 Ω MCX connectors.
Connectors/Cable/Adapters
- Jointcom Communication Technology** 431
Hangzhou, Zhejiang, China
X. Xu
Our main products are radio frequency components and integrated assemblies, such as power splitters, couplers, combiners, duplexers, filters, loads, attenuators, etc.
Attenuators, Couplers, Filters, Hybrids, Power Dividers, Resistors/Capacitors/Inductors, Terminations, Test and Manufacturing Equipment
- JQL Electronics Inc.** 1046
Buffalo Grove, IL
J. Zhu
JQL Electronics is a leading manufacturer of RF components and equipments including isolator/circulators, amplifiers, couplers, waveguide components, power dividers and power supplies. We can supply components from 300 MHz to 120 GHz. We also offer EMS service for RF industry.
Amplifiers, Couplers, Filters, Isolators/Circulators, Millimeter-wave Components, Power Dividers, Power Supplies, Test and Manufacturing Equipment, Waveguide/Waveguide Components
- JyeBao Co. Ltd.** 2104
Taipei, Taiwan
R. Kung
JyeBao manufactures coaxial connectors, cable assemblies and microwave components. We satisfy

small and large orders at a competitive price. Please check our website at www.jyebao.com.tw.

Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Power Dividers, Terminations

K&L Microwave Inc. 1506
Salisbury, MD

J. Burkett

K&L offers a full line of RF and microwave filters, duplexers, and subassemblies for military and commercial applications, including ceramic, lumped element, cavity, waveguide and tunable filters, as well as switched filter banks, high-performance receive and transmit filters, delay line filters, combiners, receive multi-couplers and base station wireless system assemblies.

Filters, Millimeter-wave Components, Systems/Subsystems, Waveguide/Waveguide Components

Kaben Wireless Silicon Inc. 2230
Ottawa, ON, Canada

S. Dell'Aera

Kaben is a leading developer of reconfigurable transceivers for FM, WiMAX, Wi-Fi, W-USB, GPS, and Bluetooth. Kaben specializes in high performance RF component cores such as sampled IF filters (on-chip SAW replacement), Digital-to-IF converters (high linearity), and frequency synthesizers (ultra-low phase-noise and spurs).

Filters, Oscillators, Synthesizers, Systems/Subsystems

Keithley Instruments Inc. 727
Cleveland, OH

M. Elo, R. Rausch

Keithley Series 2900 Vector Signal Generators and Series 2800 Vector Signal Analyzers are designed to test a multitude of commercial standards, from GSM to LTE. With built-in DSP measurement processing, test times for complex signals are reduced by an order of magnitude. The instruments also support up to a 4x4 MIMO configuration for WLAN, WiMAX Wave 2, and LTE measurements.

Test and Manufacturing Equipment

Kemac Technology Inc. 2238
Azusa, CA

J. Shah

Using Chem-Etch process, KEMAC makes RF/EMI shield, isolator, EMI filter, circulator, carrier, lead-frame, cover, fence, etc. Metals used are cupronickel-silver, copper, beryllium copper, stainless steel, etc. Chem-Etching is a low-cost, precise and flexible process. The thickness range is from 0.0001" up to 0.070" with excellent tolerances. KEMAC is ISO 9001:2000 certified.

Filters, Isolators/Circulators, Shielding, Waveguide/Waveguide Components

KJ Comtech Co. Ltd. 343
Bucheon-City, S. Korea

J. Kim

We, KJ Comtech Co. Ltd., are a leader of RF microwave passive devices in South Korea. The request of 21st century customers of technology. Beside them, KJ Comtech will be together. Try us. Satisfaction will be guaranteed.

Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Power Dividers, Terminations

KMIC Technology Inc. 1433
San Jose, CA

A. Ignacio, P. Hothur

KMIC Technology Inc. designs and manufactures solid state amplifiers, converters, transceivers and multifunction assemblies from 50 MHz to 50 GHz with power levels up to 100 W for use in SATCOM, electronic warfare and point-to-point radio applications.

Amplifiers, Millimeter-wave Components, Systems/Subsystems, Test and Manufacturing Equipment

KOR Electronics 2110
Cypress, CA

R. Beeber, B. Quinn, R. Pemberton

Exploiting the Digital RF Domain, KOR Electronics offers advanced capabilities in leading edge systems engineering, complex waveform analysis, digital receiver conversion, radar environment simulation (HWIL), digital radio frequency memory (DRFM), RF/microwave frequency conversion, high fidelity signal modulation, software systems control with data manipulation and EW techniques. ISO 9001 manufacturer fulfilling mission critical operational application requirements.

Antennas/Radomes, Services, Signal Processing Components, Software, Synthesizers, Systems/Subsystems, Test and Manufacturing Equipment

Krytar Inc. 543
Sunnyvale, CA

D. Yoshi, D. Hagan, N. Russell

Krytar Inc., located in Sunnyvale, California, is a manufacturer of high frequency, broadband microwave components, specifically directional couplers, directional detectors, 90 and 180 degrees hybrid couplers, power dividers, coaxial detectors, tunnel diode detectors, limiters, threshold detectors, coaxial terminations, coaxial adapters and a low cost power meter.

Connectors/Cable/Adapters, Couplers, Hybrids, Power Dividers, Terminations, Test and Manufacturing Equipment

Kyocera America Inc. 323
San Diego, CA

Kyocera America is the largest US manufacturer of

Hi-Rel packages for space-based, airborne, ground-based and undersea systems including phased array components, up/down and A/D converters and digital processing hardware. We have the widest range of material options and our US Assembly Technology Division performs both flip chip and wire bond assembly. Kyocera America Inc. is an ISO 9001/14001 and ITAR registered, and DSCC certified company.

Antennas/Radomes, Hybrids, Materials, Millimeter-wave Components, MMICs, Printed Circuit Boards, SAW Devices, Systems/Subsystems

L-3 Comm Narda Microwave West 1600
Folsom, CA

D. Alosi-Horn, L. Becker, N. Nicholson, J. Langille
Narda West is devoted to the development and manufacture of active and passive components for military, space and commercial applications. Products include space linearized/channel amplifiers, millimeter-wave low noise and high power amplifiers, integrated assemblies, filters, diplexers, multiplexers, converters, circulators, isolators, power dividers/combiners and ferrite devices.

Amplifiers, Filters, Isolators/Circulators, Millimeter-wave Components, Power Dividers, Waveguide/Waveguide Components

L-3 Electron Devices 1600
San Carlos, CA

R. Elmore, D. Day
Specializing in Microwave Power Modules (MPM) that provide between 25 and 100 W CW power in C, X, Ku, Ka and Q bands. MPMs are commonly used in airborne data links, ground based uplinks, point to point transmitters, portable communication systems and a variety of other military and commercial systems.

Amplifiers, Power Supplies, Tubes

L-3 Narda Microwave East 1600
Hauppauge, NY

B. Johnson
Narda - the leading name in RF/microwave components, will be displaying the latest in microwave integrated circuit technology and fiber optic driver products along with industry standard passive components, such as attenuators, couplers and switches. Narda will also be displaying its new NBM series of RF safety meters and probes for field strength measurements.

Attenuators, Couplers, Isolators/Circulators, MMICs, Oscillators, Power Dividers, Signal Processing Components, Synthesizers, Terminations

Labtech Microwave 634
Presteigne, Powys, UK

R. Lowther, J. Friday, A. Frier
Labtech Microwave has specialist capabilities in design, manufacturing, assembly and test. MMIC

packaging solutions. Microwave PCBs. Microwave components. Microwave MIC assembly.

Amplifiers, Attenuators, Couplers, Isolators/Circulators, Mixers/Modulators/Detectors, MMICs, Phase Shifters, Power Dividers, Printed Circuit Boards, Services, Switches, Waveguide/Waveguide Components

LadyBug Technologies 1353
Santa Rosa, CA

R. Hawkins, J. Sigler
LadyBug Technologies LLC supplies test and measurement equipment. We offer power measurement products featuring unsurpassed accuracy and an 80 dB dynamic range. Measurements include CW, pulse and pulse profiling. Located in Sonoma County, California—the heart of T&M country. Call us: 1-866-789-7111, www.ladybug-tech.com, email: sales@ladybug-tech.com.

Test and Manufacturing Equipment

Lake Shore Cryotronics Inc. 309
Westerville, OH

S. Griffith, S. Yawn
An advanced line of cryogenic, magnet-based, load-lock and high vacuum micro-manipulated probe stations used for measurement of electrical, electro-optical, parametric, high Z, DC, RF, and microwave (up to 67 GHz) properties of material and test devices. Features include cryogen-free CCR-based platforms, horizontal or vertical field magnet-based platforms, load-lock capability, up to 6 micro-manipulated probe arms, up to 4" wafer probe capability, 1.5–475 K, and more.

Diodes/FETs/Transistors, Power Supplies, Resistors/Capacitors/Inductors, Systems/Subsystems, Test and Manufacturing Equipment

Lambda Americas 512
Neptune, NJ

R. Bruno, R. Owen
Genesys™ AC/DC programmable power supplies provide highest density, low ripple with identical user-friendly interfaces. Outputs to 600 V and 1000 A. Extensive features provide excellent performance and flexibility in design laboratories and test systems. Users have a complete family: 750 W, 1.5 kW, 3.3 kW, 5 kW, 10/15 kW in 1 U, 2 U and 3 U packages. Optional IEEE and LXI Certified LAN interfaces.

Power Supplies

Lark Engineering Co./Baier & Baier 532
San Juan Capistrano, CA

J. Merino, L. Wong
Lark is the RF and microwave filter source for complex military applications/designs and volume focused commercial customers. Some of our products include switch filter banks with LNAs, SAT-COM diplexers, multiplexers, cross coupled cavity,

elliptical function, surface mount combine and band reject filters.

Fillers

Laser Process Mfg. Inc. 1914
Peabody, MA

L. DeLisle

Precision laser cutting, scribing, drilling, etching and marking. Materials include ceramics, ALN, wood, plastics, metals and composites.

Materials, Services

Laser Services Inc. 635
Westford, MA

P. Anderson

Laser Services, established in 1979, is an AS9100 and ISO 9001:2000 certified laser job shop. Specialties include laser cutting, scribing, welding, marking and engraving. Laser processing of materials, including ceramics, metals, specialty alloys, adhesives, plastics, films, and many more used in the microelectronics, medical, aerospace and commercial industries.

Services

Linear Photonics 501
Hamilton, NJ

Linear Photonics designs and manufactures microwave and millimeter-wave fiber optic link subsystems and components for government and commercial customers. Together with our sister companies Linearizer Technology and Linear Space Technology, we offer a full suite of microwave and fiber optic subsystem linearity and communications solutions for terrestrial and space applications.

Linearizer Technology 501
Hamilton, NJ

A. Katz, G. Hoffman, J. Macdonald, D. Macdonald, T. Naples, T. Ulrich, S. Katz, R. Dorval

Linearizer Technology Inc. (LTI) and affiliated Linear Space Technology (LST) and Linear Photonics (LP) solve linearity problems. LTI provides linearizers for any frequency and bandwidth, LST provides space qualified linearizers and L/SS PAs. LP provides high linearity photonic components and systems. Linearizer, flight linearizers and L/SSPAs and linear fiber optic components/links.

Amplifiers, Millimeter-wave Components, Optoelectronic Components/Fiber Optics

Litron Inc. 706
Agawam, MA

M. Plasse

Litron Inc. provides custom laser systems for welding and cutting and a full range of contract services including glove box hermetic sealing, machining of housings and covers, as well as feed-thru installation. Other services include process development and validation and full outsourcing of product assembly.

Materials, Services/Waveguide/Waveguide Components

LNX Corp. 2151
Salem, NH

B. Tufts, L. Raffaelli, M. Groden

LNX Corp. is a leading manufacturer of high reliability, cost effective products including: MMIC-based transceivers, connectors, amplifiers, digital products, microwave components and subsystems for naval, airborne and ground-based EW and ECM systems for domestic and international defense markets.

Amplifiers, Attenuators, Millimeter-wave Components, Services, Signal Processing Components, Systems/Subsystems, Switches

Locus Microwave 504
Boalsburg, PA

G. McGovern, J. Dixon

Locus Microwave provides LNAs, SSPAs and converters for use in SATCOM, radar, and medical applications. Locus specializes in X-band amplifier and converter products for military systems. Visit us at Booth 504 and at www.locusmicrowave.com.

Amplifiers

Logus Microwave Corp. 507
West Palm Beach, FL

N. Yerkes, B. O'Connell

Logus Solutions... provided via the world's most extensive product line of RF/microwave switching devices and systems. Utilizing Logus coaxial, ridgeguide and waveguide switches as building blocks, Logus matrices and controllers provide superior performance and reliability for your switching needs. Logus Solutions... The answer to your RF/microwave switching requirements.

Systems/Subsystems, Switches, Test and Manufacturing Equipment, Waveguide/Waveguide Components

Lorch Microwave 1529
Salisbury, MD

RF and microwave filter products, integrated assemblies.

Couplers, Filters, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Signal Processing Components, Systems/Subsystems

LPKF Laser & Electronics 905
Tualatin, OR

S. Schmidt, J. Greene

LPKF supplies a full line of systems for fabrication and multiple technologies for through-hole plating. LPKF distributes laser stenciling systems that create plastic or stainless-steel stencils for solder bumps on wafers or stencils that support fine-pitch technology in surface mount designs.

Printed Circuit Boards, Test and Manufacturing Equipment

M2 Global Technology Ltd. 1707
San Antonio, TX

D. Carlberg, A. Wohfahrt, R. Quintanina

M2 Global is a service disabled veteran-owned, AS9100/ISO9001 registered company, and a world leader in the design and manufacture of RF and microwave components and subsystems for the satellite, radar, defense and telecommunications industries. M2 Global produces high performance isolators, circulators, power dividers, filters, diplexers, waveguide products and sub-assemblies that cover the 300 MHz to 40 GHz frequencies.

Couplers, Filters, Isolators/Circulators, Power Dividers, Systems/Subsystems, Terminations, Waveguide/Waveguide Components

Maury Microwave Corp. 1112
Ontario, CA

G. Maury, K. Hargrove, J. Adamson, R. Wallace, D. Li, E. Kueckels, G. Simpson, R. Myers

Complete on wafer/module/fixture load pull and noise solutions. Broadband harmonic measurements with high gamma tuning. Real-time non linear large signal measurements in non 50 Ω environments. Solutions to supplement Agilent's PNA-X noise measurements for non-50 Ω environments. New device characterization software. Coaxial and waveguide cal standards for all popular VNAs. Precision adapters, test bench accessories and Cal services.

Connectors/Cable/Adapters, Millimeter-wave Components, Services, Software, Systems/Subsystems, Terminations, Test and Manufacturing Equipment, Waveguide/Waveguide Components

Maxtek Components Corp. 608
Beaverton, OR

E. Hodges

Maxtek, a Tektronix company, provides turnkey custom microelectronics services to meet the demanding performance and reliability requirements of defense, medical and measurement applications. With over 37 years experience in creating custom components, from high-speed data converters to optical transceivers and RF modules, Maxtek enables our customers' next-generation systems.

Hybrids, Optoelectronic Components/Fiber Optics, Services

McGraw-Hill 2100
New York, NY

N. LeBlanc, W. Rinaldi

McGraw-Hill Professional enables success in complex global industries by structuring the most current information into concise and authoritative resources. Enjoy our 20% discount on RF and Microwave titles, including the just published *Skolnik/Radar Handbook, 3/e* and *Volakis/Antenna*

Engineering Handbook, 4/e. Visit Booth 2100 for special offers and much more.

Publications

MECA Electronics Inc. 714
Denville, NJ

C. Davo, E. Schiebler

Since 1961, MECA has designed and manufactured an extensive line of American made, RF/microwave components with industry leading performance including fixed attenuators, directional and hybrid couplers, circulators/isolators, power dividers/combiners, RF loads, DC blocks and bias tees. MECA also introduces cable assemblies, adapters and field kits designed for demanding BTS and in-building applications.

Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Hybrids, Isolators/Circulators, Power Dividers, Systems/Subsystems, Terminations

Mega Circuit Inc. 732
Addison, IL

MegaPhase 1913
Stroudsburg, PA

B. Pote

MegaPhase designs and manufactures high frequency precision coaxial cable assemblies to 67 GHz for test and system applications. MegaPhase products are space qualified and have military heritage. MegaPhase is known for superior test cable design and capability. The VN series test cable is a low-cost alternative to OEM test cables. Low loss and phase and amplitude stability as well as phase matching are exceptional and expected from MegaPhase products.

Connectors/Cable/Adapters

Meggitt Safety Systems Inc. 800
Simi Valley, CA

K. Strack, F. Kialashaki, P. Graham, J. Thomsen, D. Cox, V. Badii, J. Foreman

Meggitt Safety Systems manufactures high performance SiO₂ and other dielectric cable assemblies, delay lines, equalizers and connectors. Applications include phase stable, low loss and extreme environment cable solutions.

Antennas/Radomes, Connectors/Cable/Adapters, Millimeter-wave Components, Services

Merix Corp. 1702
Forest Grove, OR

G. Pollard

Merix is a leading manufacturer of technologically advanced, multilayer, rigid printed circuit boards. Merix provides quick-turn prototype, pre-production and volume board production to its customers from multiple plants in North America and Asia. Principal markets served by Merix include commu-

nications and networking, computing, industrial, medical, defense, aerospace and automotive end markets. www.merix.com

Printed Circuit Boards

Merrimac Industries Inc. 737
West Caldwell, NJ

P. Skolnick

Merrimac designs and manufactures 3D multifunction integrated modules and subsystem assemblies with active and passive devices utilizing its Multi-Mix® platform technology for high-power amplifier modules, antenna feed networks, beam formers, integrated T/R modules, phased arrays, switch matrices, IFMs, phase detectors and RF components (power dividers, filters, couplers, quads, mixers, vector modulators) for commercial, military and space applications.

Amplifiers, Attenuators, Couplers, Filters, Hybrids, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Systems/Subsystems

MESL Microwave Ltd. 436
Edinburgh, Scotland, UK

K. Burns, M. Huggan, M. Watherston

MESL Microwave (formerly known as Thales MESL) designs and manufactures microwave components and subsystems for telecommunications, defense, space and industrial applications. These include diplexer filters, couplers, ferrite isolators and circulators, waveguide sub-systems, ferrite phase shifters, ferrite switches, rotary switches, SAW pulse compression subsystems, millimeter-wave transceiver modules and MIC subsystems.

Couplers, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Phase Shifters, SAW Devices, Systems/Subsystems, Switches, Terminations, Waveguide/Waveguide Components

Metropole Products Inc. 1202
Stafford, VA

G. DePaola, A. Leaman

Design, manufacture, sales and testing of custom microwave communication components.

Amplifiers, Filters, Power Dividers

MI Technologies 2223
Suwanee, GA

J. Fordham, D. Skousen, T. Darling, M. Murphy, M. Baggett, D. Weiss, S. Wood

For more than 50 years, MI Technologies (www.mittechnologies.com) has been a leading supplier of products, systems and services for RF and microwave antenna, radome, and radar cross section (RCS) testing. MI Technologies' test, measurement and precision motion control products are used in research and development, monitoring and manufacturing processes worldwide.

Antennas/Radomes, Software, Test and Manufacturing Equipment

MICA Microwave 516
Manteca, CA

F. Mills

MICA designs and manufactures a unique blend of ferrite, gain equalizer, and mixer products. MICA further utilizes our capabilities through integration into higher assemblies. MICA was acquired by Micronetics in 2007.

Isolators/Circulators, Mixers/Modulators/Detectors

Mician GmbH 1045
Bremen, Germany

T. Sieverding, R. Beyer

Mician shows the latest release of the software tool μ Wave Wizard. The 3D simulation software is based on Mode-Matching (MM) technique, Boundary-Contour-Mode-Matching (BCMM), 2D-FEM and 3D-FEM. The tool is particularly suitable for the fast and accurate design and optimization of waveguide iris filters, metal insert filters, cavity filters, comb line filters, inter digital filters, waveguide couplers, diplexers and multiplexers, horn antennas and slotted waveguide antennas.

Antennas/Radomes, Couplers, Filters, Services, Software, Waveguide/Waveguide Components

Micreo Ltd. 333
Brisbane, Queensland, Australia

T. Shaw, A. Robinson, D. Enchelmaier

Micreo manufactures high performance microwave and millimetre-wave products suitable for Electronic Warfare applications. Micreo also has optical products, including modulators, photodetectors and optical links suitable for analogue RF applications. Our speciality is working with customers to design leading-edge products for extreme environments.

Amplifiers, Filters, Millimeter-wave Components, Mixers/Modulators/Detectors, Optoelectronic Components/Fiber Optics, Systems/Subsystems

Micro Lambda Wireless Inc. 1009
Fremont, CA

R. Leier, J. Nguyen, D. Suddarth

Yig-based devices from 500 MHz to 50 GHz. Extreme low noise and wide band oscillators, frequency synthesizers, tunable filters, millimeter-wave components for commercial and military applications.

Filters, Millimeter-wave Components, Oscillators, Synthesizers

Micro-Coax Inc. 2216
Pottstown, PA

D. Schettler

For over 40 years, Micro-Coax has been serving the defense, telecommunications and test/measurement marketplaces, earning a reputation for unmatched reliability with our high-performance products. Our unmatched line of microwave prod-

ucts include UTiFLEX flexible microwave cable, UTIFORM Hand Formable cable, M-FLEX(x) low cost flexible cable, semi-rigid coaxial cable and delay lines.

Connectors/Cable/Adapters

Micro-Mode Products Inc. 1752

El Cajon, CA

B. Peckham, M. Perry

For over 30 years, Micro-Mode has supplied the microwave and commercial industries superior products at competitive prices all within a reasonable time frame.

Connectors/Cable/Adapters

MicroFab Inc. 2221

Manchester, NH

J. Kelley

MicroFab Inc. is a manufacturer specializing in custom thin film circuits, laser diode sub-mounts and micro machining for infrared, optics, microwave and millimeter-wave applications.

Amplifiers, Filters, Hybrids, Millimeter-wave Components, Optoelectronic Components/Fiber Optics, Power Dividers, Resistors/Capacitors/Inductors, Services

Microlab/FXR 1901

Parsippany, NJ

R. Skopas

Microlab/FXR designs and manufactures high quality, high performance passive components such as filter diplexers, power combiners, splitters, coupler and integrated assemblies. Our commitment to broadband low PIM designs makes our components the designer's choice for in-building DAS and external infrastructure, as well as military applications.

Attenuators, Couplers, Filters, Hybrids, Mixers/Modulators/Detectors, Power Dividers, Systems/Subsystems, Terminations, Test and Manufacturing Equipment, Waveguide/Waveguide Components

Micronetics Inc. 516

Hudson, NH

K. Beals

High frequency RF components and subsystems that enable communication, control and intelligence gathering with speed, accuracy and reliability. Acquisitions: MICA, Stealth Microwave, Microwave Concepts and Enon Microwave.

Amplifiers, Attenuators, Filters, Isolators/Circulators, Mixers/Modulators/Detectors, MMICs, Oscillators, Phase Shifters, Services, Systems/Subsystems, Switches, Waveguide/Waveguide Components

Micronews 331

Lyon, France

M. Potin

Our commitment is to facilitate market access for innovative devices, equipment and materials in different fields: MEMS and related materials, equipment and compound semiconductors. We are working with the key industrial companies, R&D institutes and inventors in order to help them to understand the markets and technology trends.

Publications

Microphase Corp. 602

Norwalk, CT

J. Seminoro, D. Melton

Microphase Corp. designs and manufactures microwave and RF passive/active devices, integrated assemblies and sub-systems operating from DC to 40 GHz for the defense, commercial and telecommunications industries. Products include filters (high pass, low pass, and band reject), multiplexers, solid-state switches, switch filters, limiters, detectors and detector log video amplifiers.

Filters, Mixers/Modulators/Detectors, Systems/Subsystems

Microsemi Corp. 1426

Irvine, CA

K. Fosberg

Microsemi manufactures silicon RF power transistors for 1 MHz to 4 GHz applications, RF and microwave PIN diodes, tuning, multiplier varactors, noise diodes, Schottky-Barrier diodes, gallium arsenide semiconductors—GaAs PIN, Varactor, Schottky and Gunn diodes, microwave oscillators, sensors and transceivers. New RF silicon carbide (SiC) products will debut in 2008.

Diodes/FETs/Transistors

Microsorb Technologies Inc. 339

Woonsocket, RI

D. Turi

Manufacturer of RF microwave absorbers; low-loss dielectric materials; EMI shielding and thermally conductive materials. Maintains a product line of microwave absorbers, low-loss dielectric materials, EMI/RFI shielding, thermally-conductive materials to solve problems in printed circuit board problems, suppression, antenna design, test facilities and EMI/RFI applications. Serve both commercial and defense markets.

Materials, Shielding

Microtech Inc. 833

Cheshire, CT

J. McGregor, B. Hallock, T. MacCallum

Microtech will be exhibiting its line of flexible and rigid waveguide assemblies and passive microwave components from 1.12 to 110.0 GHz. This includes our historic line of couplers, terminations, loads, rotary joints, adaptors, etc. in both rectangular waveguide and double ridge. See our expanded line of filters.

Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Millimeter-wave Components, Phase Shifters, Power Dividers, Services, Terminations, Waveguide/Waveguide Components

Microwave Applications Group 338
Santa Maria, CA

C. Boyd, S. Van Dyke, T. Janzen

Design, fabricate and test ferrite based components including phase shifters, isolators, circulators, switches and power dividers from microwave to millimeter-wave frequencies. Also provide electronically scanning phase array radar antennas and various waveguide components.

Antennas/Radomes, Isolators/Circulators, Millimeter-wave Components, Phase Shifters, Power Dividers, Services, Switches

Microwave Communications Labs Inc. 2026
St. Petersburg, FL

K. D'Amato, E. Roecker, T. Nguyen, T. Nguyen

Microwave Communications Laboratories Inc. (MCLI) is a leader in the manufacturing of RF/microwave components. Since 1988, MCLI has built a solid reputation for high quality and fast delivery. MCLI is ISO 9001:2000 certified with an inspection system that ensures high quality and reliable products. At MCLI, we are committed to providing exceptional service to our customers throughout the world and throughout the 21st century.

Amplifiers, Attenuators, Connectors/Cable/Adapters, Couplers, Diodes/FETs/Transistors, Filters, Hybrids, Isolators/Circulators, Oscillators, Power Dividers, Switches, Terminations, Waveguide/Waveguide Components

Microwave Concepts Inc. 516
Fairfield, NJ

T. Pospishil

Vast proven expertise in developing and manufacturing of complex multi-function devices such as frequency converters and multipliers, switch matrices and custom modules. MicroCon joined Micronetics in 2003.

Amplifiers, Hybrids, MMICs, Services, Systems/Subsystems

Microwave Development Labs Inc. 705
Needham Heights, MA

E. Scollins, G. Riblet, B. Johnson

MDL offers a complete line of passive waveguide components from 1 to 50 GHz. We specialize in cast components, custom waveguide assemblies, monopulse comparators and rotary joints. We have HFSS and solidworks software to model, simulate, and manufacture to your requirements.

Attenuators, Couplers, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Phase

Shifters, Power Dividers, Systems/Subsystems, Switches, Terminations, Test and Manufacturing Equipment, Waveguide/Waveguide Components

Microwave Dynamics 1202
Tustin, CA

S. Adel

Phase Locked (PLO) and free running Dielectric Resonator Oscillators (DRO), amplifiers, multipliers from 2.8 to 60 GHz for space, military and commercial use.

Amplifiers, Millimeter-wave Components, Oscillators

Microwave Engineering Corp. 533
N. Andover, MA

C. Holman, P. Walker, P. Griffin

Standard components have been developed over the past 45 years and are included by all major OEM's in the military and commercial markets. Full line of waveguide and coaxial components and antennas and custom assemblies (low, med, high power). MEC stocks and supplies a large selection of double ridge, rectangular, flexible and quad-ridge waveguides.

Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Phase Shifters, Power Dividers, Services, Systems/Subsystems, Terminations, Test and Manufacturing Equipment, Waveguide/Waveguide Components

Microwave Engineering Europe 849
Brussels, Belgium

K. Smith-Kernc, A. Kernc, J.P. Joosting

Microwave Engineering Europe is a portfolio of print and online media for wireless, RF and design engineers in Europe. Established in 1989, MEE is part of CMP Europe and published from European Business Press in the European home market. Represented for advertising in North America by KCS International at 717-397-7100.

Publications

Microwave Filter Co. Inc. 2014
East Syracuse, NY

S. Parsell, P. Mears, S. Nelepovitz

Microwave Filter Co. designs and manufactures filters for commercial and military applications. Designs include lumped element lowpass and high-pass filters, interdigital, combline and waveguide bandpass filters. Our domestic, state-of-the-art facility allows us to provide unparalleled response time for your filter requirements.

Couplers, Filters, Waveguide/Waveguide Components

Microwave Innovation Group 709
Bremen, Germany

J. Brandt, Dr. J. Arndt

MiG has again advanced its fast unique hybrid MM/FE/MoM/FD EM CAD tool WASP-NET® to meet leading space-, defense-, and microwave industries' demanding design and optimization needs. New features include further speed and automation enhancements, a new modern GUI, allowing the extremely efficient optimization of microwave components like waveguide circuits, antennas, arrays, combline, coaxial, dielectric-loaded components, etc.

Antennas/Radomes, Filters, Hybrids, Millimeter-wave Components, Power Dividers, Services, Software, Waveguide/Waveguide Components

Microwave Journal 617
Norwood, MA

C. Sheffres, E. Johnson, W. Cook, M. Hallman, C. Boyd, K. Moore, J. DiMarco, D. Vye, P. Hindle

Microwave Journal is the resource for working RF, microwave and wireless engineers, with 50,000 subscribers worldwide and the most respected editorial content in its field. The newly redesigned website features unique resources, hundreds of archived articles, expanded event coverage and a dynamic online Buyer's Guide. Weekly e-mail newsletters deliver timely news, industry analysis, the latest product announcements and expert advice. www.mwjjournal.com

Publications

Microwave Power Inc. 1148
Santa Clara, CA

T. Heyboer

High power microwave amplifiers to 40 GHz using monolithic microwave ceramic circuitry. These products address defense, industrial, test equipment and laboratory high power applications. New products include 6–18 GHz 40 W, 0.8–4.2 GHz 3 W and 2–40 GHz 2 W broadband amplifiers.

Amplifiers

Microwave Product Digest 949
Englewood Cliffs, NJ

Publications

Microwave Technology Inc. 1251
Fremont, CA

D. Apte, G. Zhou, R. Chou, T. Hunt

Microwave Technology products include GaAs Discrete Devices and MMICs, amplifiers and sub-systems. GaAs devices include MESFET and pHEMT with low phase noise, high gain or high linearity in chip form, hermetic or plastic packages. MMICs include wide-band amplifier from 2–20 or 2–10 GHz and narrow-band amplifiers in chip form or plastic packages. Amplifiers are available in connectorized or surface mount packages. MwT provides low noise amplifiers and much more.

Amplifiers, Diodes/FETs/Transistors, MMICs, RFICs, Systems/Subsystems

Microwaves & RF 2210
Paramus, NJ

D. Schechter

For 47 years, *Microwaves & RF* magazine has been delivering high-quality editorial content to design engineers and engineering managers working with high-frequency and high-speed technologies and systems.

Publications

Mid-Atlantic RF Systems 942
Forest Hill, MD

M. Creighton, S. Watson, D. Petran

Mid-Atlantic RF Systems Inc. specializes in the design, development, and manufacturing of RF components and sub-systems, including wireless and microwave radio communication systems. In-house design and development experience covers products from surface mounted hybrid couplers to low cost broadband tuner/receivers.

Couplers, Synthesizers, Switches

Midwest Microwave 1143
Waseca, MN

Midwest Microwave is designed to meet the precise requirements of the RF/microwave industry; offering a wide line of DSCC and QPL approved components. These products include: attenuators, DC blocks, terminations, gain equalizers, phase shifters, couplers, connectors, adapters and custom cable assemblies, which are designed and manufactured for military and commercial programs.

Connectors/Cable/Adapters

Military & Aerospace Electronics BIN
Nashua, NH

Millitech Inc. 1522
Northampton, MA

K. Whitney, J. Chandler, T. Newman, C. Koh, C. Euvrard, T. Cote

Millitech is a world leader in the design and manufacture of millimeter-wave products for applications in sensors, conventional measurements, communications, surveillance, radar and space systems. Active frequency multipliers, wideband isolators, upconverters, downconverters, amplifiers and mixers.

Amplifiers, Antennas/Radomes, Attenuators, Couplers, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Oscillators, Phase Shifters, Power Dividers, Services, Systems/Subsystems, Switches, Terminations, Waveguide/Waveguide Components

Mimix Broadband Inc. 1423
Houston, TX

J. Teinert

Mimix Broadband Inc. supplies industry-leading

GaAs semiconductors for commercial and military applications, covering DC to 50 GHz. We are featuring high power C-, Ku- and Ka-band amplifiers; driver and power amplifiers for WiMAX; and our recently introduced Mimix SmartSets—highly integrated QFN packaged chipset solutions. Stop by our booth to Get Smart with Mimix.

Amplifiers, Attenuators, Diodes/FETs/Transistors, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Optoelectronic Components/Fiber Optics, Oscillators, Phase Shifters, Power Dividers, RFICs, Switches

Mini-Circuits 1937
Brooklyn, NY

A global leader in the design and manufacture of RF/IF and microwave components offering the world's widest variety of off-the-shelf and custom products for the DC–20 GHz band. From initial design to full scale production, Mini-Circuits® stands ready to provide insightful solutions for your military, commercial and industrial applications. ISO 9001, ISO 2002, ISO 14001 certified.

Amplifiers, Attenuators, Couplers, Filters, Mixers/Modulators/Detectors, MMICs, Oscillators, Phase Shifters, Power Dividers, Signal Processing Components, Synthesizers, Switches, Terminations

Mini-Systems Inc. 448
North Attleboro, MA

C. Tourgee, M. Tran

Hi-reliability thick/thin film chip resistors. Sizes starting at 0.012" x 0.009", tolerances of 0.01% and standard deliveries starting at just 3 weeks. Precision MOS capacitors, networks, attenuators, aluminum/glass sidewall flatpacs.

Attenuators, Resistors/Capacitors/Inductors

Mission Technology Co. (MTC) 417
Seoul, Korea

MITEQ Inc. 1108
Hauppauge, NY

J. Pastore, B. Yuruckso

MITEQ is exhibiting solid-state microwave components, subsystems and systems to 60 GHz. Products include low-noise medium power and TWT amplifiers, mixers and mixer-preamplifiers, multipliers, switches, PIN attenuators, frequency synthesizers, oscillators, IF signal processing equipment, integrated microwave subsystems, satellite up/down converters and modems. Emphasis is on high performance, custom engineering driven applications.

Amplifiers, Attenuators, Couplers, Hybrids, Millimeter-wave Components, Mixers/Modulators/Detectors, Optoelectronic Components/Fiber Optics, Oscillators, Phase Shifters, Power Dividers, Signal Processing Components, Synthesizers, Systems/Subsystems, Switches, Waveguide/Waveguide Components

Mitsubishi Electric & Electronics 1137
Santa Clara, CA

J. Callaghan

Mitsubishi Electric Corp. manufactures a diverse range of microwave and RF semiconductors for linear, low-noise, WiMAX, and high-power communication applications, including satellite and terrestrial transmitters and receivers, mobile radios, cellular phones, and subscriber units. Please visit our web site for additional information: <http://www.mitsubishichips.com>.

Diodes/FETs/Transistors, MMICs, Optoelectronic Components/Fiber Optics, RFICs

Modelithics Inc. 746
Tampa, FL

L. Dunleavy, T. Weller, R. Connick, K. Vanek

Modelithics Inc. was formed in 2001 to address the industry wide need for high-accuracy RF and microwave active and passive models. Our current products include commercial device model libraries that support multiple simulation tools. Modelithics also satisfies a wide range of custom linear and non-linear measurement and modeling requirements.

Services, Software

Modular Components National Inc. 942
Forest Hill, MD

I. Zazulak, M. Creighton, S. Watson

Design, manufacture, assembly and test of high frequency PCBs and assemblies. Expertise includes: mixed dielectric multilayers, PTFE multilayers, aluminum, copper or brass backed PTFE with PTH, blind and buried vias, and screened resistors. Highlighted products will include thermal management techniques with conductive and non-conductive adhesives and via fill combinations.

Amplifiers, Materials, Millimeter-wave Components, Power Dividers, Printed Circuit Boards, Switches

Molex 844
Lisle, IL

R. Kaufman

Molex Inc. is a global manufacturer of standard coaxial connectors, high and low volume cable assemblies, as well as custom RF interconnect solutions, covering frequencies from DC–40 GHz. Its extensive product offering also includes ganged and multi-connector blocks that support the military, automotive, medical, instrumentation, telecom and wireless markets.

Connectors/Cable/Adapters

Momentive Performance Materials 2106
Strongsville, OH

E. Cooper, B. Marchiando, B. Meister

Momentive's highly conductive TPG* (thermal pyrolytic graphite) materials and TC1050* thermal

cores offer solutions for high performance heat spreading and dissipation requirements. These passive technologies, exhibiting thermal conductivities from 2.5 to 4 times that of copper, provide unique solutions for today's high power thermal management needs.

Materials

MPDevice Co. Ltd. 609

Incheon, Korea

S.K. Lee, D. Kang

MPDevice specializes in R&D and manufacturing of RF/microwave coaxial components and filters in our own facilities certified ISO 9001, ISO 14001, and provides the total solution of RF passive products for wireless communication. Please visit us at Booth 609 or online at www.mpdevice.com

Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Isolators/Circulators, Power Dividers, Terminations

MtronPTI 2000

Yankton, SD

D. Thompson, P. Dechen

MtronPTI is a leading global manufacturer of standard and custom frequency control products including crystals, oscillators, VCXOs, TCXOs and OCXOs, and filter products including crystal, lumped element, ceramic, SAW and microwave filters.

Filters, Oscillators, SAW Devices

Municom GmbH 852

Traunstein, Germany

Technical support and distribution of RF and opto-components for communications technology, sourcing of obsolete semiconductors—serving mainly the German speaking countries and parts of Eastern Europe.

Amplifiers, Attenuators, Connectors/Cable/Adapters, Couplers, Diodes/FETs/Transistors, Filters, Hybrids, Isolators/Circulators, Materials, Mixers/Modulators/Detectors, MMICs, Optoelectronic Components/Fiber Optics, Oscillators, Phase Shifters, Power Dividers, Resistors/Capacitors/Inductors, RFICs, SAW Devices, Signal Processing Components, Synthesizers, Systems/Subsystems, Switches, Terminations, Test and Manufacturing Equipment

Murata Electronics 1103

Smyrna, GA

J. Kolbe, S. Kim, G. Hubers, S. Kletke, D. Montenegro, M. Waugh, D. Kimbro, N. Rosenfeld

Murata Electronics is a global leader in the design, manufacture and sale of ceramic-based passive electronic components and modules. Committed to the development of advanced electronic materi-

als and leading edge, multi-functional, high-density modules, Murata utilizes multi-layer LTCC technology as the core process for producing next generation RF products.

Amplifiers, Antennas/Radomes, Connectors/Cable/Adapters, Couplers, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, MMICs, Oscillators, Phase Shifters, Power Dividers, Power Supplies, Resistors/Capacitors/Inductors, SAW Devices, Switches

NaF Technology Corp. 402

Hwaseong, Gyeonggi, Korea

NaF is a high frequency coaxial cables maker in Korea producing PTFE coaxial cables, flexible, semi-flexible and semi-rigid cables.

Connectors/Cable/Adapters

Nanjing Jiexi Technologies Co. Ltd. 300

Nanjing, China

Nanjing Jiexi Technologies Co. Ltd. is a leading RF component and system/subsystem supplier from China, with decades of industry experience. Jiexi now offers a wide product range and wide frequency range up to 40 GHz for microwave applications. And based on high efficient supplier chain, Jiexi can offer a wonderful cost effective solution per custom requirement.

Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Optoelectronic Components/Fiber Optics, Phase Shifters, Power Dividers, Resistors/Capacitors/Inductors, Services Systems/Subsystems, Switches, Terminations

Nanjing LOPU Co. Ltd. 315

Nanjing, JiangSu, China

F. Yang

Lopu supplies state-of-the-art products in fields of passive microwave devices (microwave ferrite devices), microwave anechoic chamber, cable assemblies, LED display, ITS products, power supply, and software. Lopu is also a leading contractor in system integration mainly in intelligent architecture, shiplock control system, etc...

Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Hybrids, Isolators/Circulators, Materials, Millimeter-wave Components, Phase Shifters, Power Dividers, Power Supplies, Shielding, Switches, Terminations, Waveguide/Waveguide Components

Natel Engineering Co. Inc. 317

Chatsworth, CA

M. Darrow, P. Bhartia, S. Annas, S. Duda

The leading manufacturer of LTCC/AIN multilayer substrates and packages, RF/microwave MICs, hy-

brids, MCMs and higher level assemblies for the defense, aerospace, medical, RR/microwave, fiber optic/optoelectronic, telecommunication and test & measurement industries.

Amplifiers, Attenuators, Couplers, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Optoelectronic Components/Fiber Optics, Oscillators, Phase Shifters, Power Dividers, Power Supplies, Resistors/Capacitors/Inductors, RFICs, SAW Devices, Services, Shielding, Signal Processing Components, Synthesizers, Systems/Subsystems, Switches, Terminations, Waveguide/Waveguide Components

National Instruments 529

Austin, TX

J. Kovacs

National Instruments is a pioneer in software-defined RF instrumentation systems, which use coding and modulation software to generate and measure signals through modular, general-purpose RF instruments up to 6.6 GHz.

Signal Processing Components, Software, Switches, Test and Manufacturing Equipment

NDK 909

Belvidere, IL

H. Aizawa

NDK is the world's leading manufacturer of quartz crystal electronic components. Our high quality products are found in an array of electronic devices in a broad range of industries. With design centers located in the US, Europe and Japan, we are ready to provide frequency control solutions worldwide.

Filters, Oscillators, SAW Devices, Synthesizers

Neltec Inc. 1811

Tempe, AZ

M. Carlson, B. Nichols, S. Bertling

Nelcote Inc. is a subsidiary of Park Electrochemical Corp., a global advanced materials company which develops and manufactures Nelco® high-technology digital and RF/microwave printed circuit materials, and Nelcote™ advanced composite materials principally for the telecommunications, internet infrastructure, high-end computing and aerospace markets.

Materials

Netcom Inc. 1711

Wheeling, IL

W. Roeder, S. Watts

Netcom, founded in 1977, is a leading designer and manufacturer of RF, microwave and power supply technology for military and commercial applications. Netcom's product lines include filters, power supplies, frequency control devices and custom assemblies, designed for the telecommunications,

military, aerospace/avionics, satellite and medical imaging industries.

Amplifiers, Filters, Oscillators, Power Supplies, Synthesizers

Networks International Corp. (NIC) 1749
Overland Park, KS

N. Bisarya, A. Bisarya

NIC manufactures custom RF and microwave filters and assemblies. For over 20 years, we have been a trusted partner for military, commercial and space solutions. Products include (1) filters-cavity, ceramic, crystal and LC; (2) RF assemblies-filter/amplifiers, filter/limiters, multiplexers and diplexers, phase shifters and switched filter banks; and (3) oscillators.

Amplifiers, Filters, Oscillators, Phase Shifters, Systems/Subsystems

New Continents Technology 2117
Shanghai, China

J. Zhu, C. Xie

NCT provides high quality price ratio RF and microwave products and solutions which cover almost all regarding application fields.

Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Diodes/FETs/Transistors, Filters, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Oscillators, Phase Shifters, Power Dividers, RFICs, Signal Processing Components, Synthesizers, Switches, Test and Manufacturing Equipment, Waveguide/Waveguide Components

Nitronex Corp. 2108
Durham, NC

R. Crampton

Nitronex develops and manufactures a wide range of gallium nitride on silicon (GaN-on-Si) power transistors for commercial and military communication markets. The high performance of GaN with the economics of Si wafer substrates enables ultra-high power devices at a competitive price.

Diodes/FETs/Transistors, Materials, MMICs, RFICs, Switches

Noise Com 1901
Parsippany, NJ

NoiseCom is a global manufacturer of Gaussian white noise generation equipment for the commercial and military telecommunication industries. We provide noise diodes, built-in-test modules, calibrated noise sources, precision SNR signal generators, interference generators, cryogenic noise standards, random jitter sources, assistance with design and technical support for our products.

NoiseWave Corp. 2235
East Hanover, NJ

E. Garcia

Complete supplier of noise sources and noise solutions up to 40 GHz. Products include noise diodes, noise modules, BITE noise components and noise based test equipment.

Diodes/FETs/Transistors, Millimeter-wave Components, Signal Processing Components, Test and Manufacturing Equipment, Waveguide/Waveguide Components

Northeast Electronics Corp. 1048
Milford, CT

J. Short, J. Myers, R. Collins, F. Gaudinno
Northeast Electronics manufactures a wide variety of glass to metal hermetically sealed packages for the microwave industry. Northeast utilizes computerized furnaces custom designed for glass to metal sealing.

Connectors/Cable/Adapters, Hybrids, Optoelectronic Components/Fiber Optics, Power Supplies, Signal Processing Components, Systems/Subsystems, Switches, Terminations, Test and Manufacturing Equipment, Waveguide/Waveguide Components

Northrop Grumman-Velocium 1001
Redondo Beach, CA

NOWTEL Co. Ltd. 345

Anyang-City, Kyeonggi-Do, Korea
WiMAX repeater. WCDMA GSM repeater. WiMAX RF switching LNA. VDC module.

Systems/Subsystems, Switches

NSI 2012
Torrance, CA

NSI has been providing state of the art antenna measurement systems for 20 years. To date we have delivered more than 390 such systems worldwide. NSI draws upon the foremost industry experts to offer a complete line of test systems. NSI also offers in-house test facilities for contract antenna testing and consulting services for range evaluation and accuracy assessment.

Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Millimeter-wave Components, Mixers/Modulators/Detectors, Services, Shielding, Software, Test and Manufacturing Equipment, Waveguide/Waveguide Components

NTK Technologies Inc. 1843
Santa Clara, CA

Nuhertz Technologies LLC 947
Phoenix, AZ

NXP Semiconductors 523
Eindhoven, Netherlands

B. Dang

NXP, the independent semiconductor company founded by Philips, has a 50-year history of provid-

ing engineers and designers with semiconductors and software that deliver better sensory experiences for mobile communications, consumer electronics, contactless payment and connectivity, and in-car entertainment and networking.

Octagon Communications 949
Englewood Cliffs, NJ

R. Markhouse, D. Markhouse

Octagon Communications publishes MPD/*Microwave Product Digest*, the only monthly new product tabloid serving the engineering community working in the RF and microwave industry in both commercial and government markets. MPD focuses on product information involved with the design, development, application and use of systems and subsystems, devices and techniques involving frequencies from RF to light.

Publications

OEwaves Inc. 353
Pasadena, CA

D. Fung, L. Maleki, D. Coler

OEwaves transforms novel microwave photonic technologies from concept to the marketplace enabling new capacities in communications, radar and test and measurement systems. OEwaves core technologies include the opto-electronic oscillator and optical microresonators, where state-of-the-art microwave oscillators, filters, modulators, receiver front-ends, and phase noise test systems are derived.

Filters, Mixers/Modulators/Detectors, Optoelectronic Components/Fiber Optics, Oscillators, Systems/Subsystems, Test and Manufacturing Equipment

ON Semiconductor 316
Phoenix, AZ

OPHIR RF Inc. 2019
Los Angeles, CA

P. Virga, L. Broniak

Ophir RF is a leading specialist in the design and manufacture of high power, solid-state, wideband and band specific RF and microwave amplifiers, incorporating GaN technology in all newer products. Amplifiers cover the range of 10 kHz to 6 GHz, from 1 W up to kW of power.

Amplifiers

OPTEOS Inc. 2029
Ann Arbor, MI

H. Yang, J. Whitaker, M. Crites, S. Wu

Opteos Inc. is a manufacturer and service provider of innovative non-contact, non-invasive RF test/measurement instruments targeting a broad range of antennas, arrays, and RF/millimeter-wave ICs. Opteos' RF test/measurement systems and customized measurement services based on patented laser optic technologies, can cover measurement frequency band from UHF to W-band.

Services, Test and Manufacturing Equipment

- Orient Microwave Corp.** 1649
 Higashiomi, Shiga, Japan
Y. Kojima
 Orient Microwave product range includes co-axial connectors/adaptors, cable assemblies, terminations, couplers, power dividers, attenuators, waveguides, filters, antenna, lightning arresters, switches, phase shifters, limiters, amplifiers, oscillators, isolators and circulators. They range from small-lot through to mass-produced devices and from standard through to customized items.
Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Hybrids, Isolators/Circulators, Phase Shifters, Power Dividers, Systems/Subsystems, Switches, Terminations, Test and Manufacturing Equipment, Waveguide/Waveguide Components
- P/M Industries Inc.** 1744
 Portland, OR
- P1dB** 651
 San Jose, CA
J. Levine, S. Ulett
 P1dB is a developer and manufacturer of RF and microwave modular amplifiers, microwave diodes, RF power transistors, coaxial connectors, cable assemblies and components. P1dB also offers Hi-Rel screening and parametric testing.
Amplifiers, Connectors/Cable/Adapters, Couplers, Diodes/FETs/Transistors, Hybrids, Power Dividers
- Paratek Microwave Inc.** 2111
 Columbia, MD
E. Horne, W. Yan, J. Gentile, J. Shea
 Paratek's high-performance Passive Tunable ICs (PTIC) bring the advantages of RF tunability to wireless applications. PTICs coupled with our precision high voltage digital to analog converter (HV DAC) ASICs provide a complete bias solution for tunable RF components including Adaptive Impedance Matching Modules (AIMM), filters and phase shifters.
Amplifiers, Antennas/Radomes, Filters, Phase Shifters, Resistors/Capacitors/Inductors, RFICs
- Park Electrochemical** 1811
 Melville, NY
M. Carlson, B. Nichols
 Park Electrochemical Corp. is a global advanced materials company that develops and manufactures Nelco® high-technology digital and RF/microwave printed circuit materials, and Nelcote™ advanced composite materials principally for the telecommunications, internet infrastructure, high-end computing and aerospace markets. Nelco® RF/microwave materials are designed for critical microwave components, antennas and subassemblies.
Materials
- Partron Co. Ltd.** 2152
 Hwaseong-Si, Gyeonggi-Do, Korea
S. Cho
 Partron produces dielectric filters, duplexers, SMD/drop-in isolators, circulators, GPS patch antenna, active antenna, internal antenna, x-tal oscillator, VC-TCXO, GPA engine module.
Filters, Isolators/Circulators, Oscillators
- Pascall Electronics Ltd.** 442
 Isle Of Wight, UK
A. Maclachlan, A. Khan, J. Hill
 Pascall is a leading supplier of logarithmic and IF amplifiers, discriminators, high performance oscillators and synthesizers and I&Q modules that form the key components in radar, radar warning receivers, as well as modular amplifiers and sub-systems for the communication, defense and navigational markets. Capabilities are from 10 MHz to 18 GHz.
Amplifiers, Couplers, Hybrids, Mixers/Modulators/Detectors, Oscillators, Phase Shifters, Power Dividers, Power Supplies, Signal Processing Components, Synthesizers, Systems/Subsystems, Switches
- Passive Microwave Technology** 1735
 Camarillo, CA
- Pendulum Instruments-XL Microwave** 344
 Oakland, CA
L. Butler, T. Mancilla
 Pendulum Instruments is the world's expert for time and frequency measurement, calibration and analysis instrumentation. Our high quality portfolio of test and measurement products includes: frequency counters up to 60 GHz, frequency standard frequency distribution systems, time synchronization test equipment and wireless test solutions for telecom, electronic and wireless industries.
Test and Manufacturing Equipment
- Penn Engineering Components** 406
 No. Hollywood, CA
- Peregrine Semiconductor Corp.** 1606
 San Diego, CA
 Peregrine Semiconductor designs, manufactures, and markets high-performance RFICs for the mobile wireless and wireless infrastructure; broadband communications; space and avionics markets. The company's patented UltraCMOS™ mixed-signal process offers significant advantages over competing processes in applications where RF performance, low power and monolithic integration are paramount. The company maintains established design centers and sales operations around the world.
Attenuators, Mixers/Modulators/Detectors, RFICs, Synthesizers, Switches

- Phase Matrix Inc.** 450
 San Jose, CA
A. Chenakin, P. Khanna, C. Mahal, J. Meyers, S. Ojha, P. Pragatis
 Phase Matrix develops and manufactures high quality, cost effective, microwave test and measurement instruments, sophisticated microwave components and subsystems. Featured products include fixed-tuned, narrowband and wideband Si BJT VCOs; phase-locked oscillators and digitally tuned oscillators. Phase Matrix's new fast switching, low phase noise synthesizer will be introduced.
Attenuators, Optoelectronic Components/Fiber Optics, Oscillators, Synthesizers, Systems/Subsystems, Test and Manufacturing Equipment
- The Phoenix Company of Chicago** 2213
 Wood Dale, IL
G. Pollack, H. Niver, F. de St. Aubir
 The Phoenix Company of Chicago, which was established in 1969, has evolved into a network of five synergistic component and contract manufacturing companies. Today we offer products from coax connectors, coax adapters and cable assemblies including delay lines, to surface-mount assemblies. We maintain multiple ISO 9001:2000 facilities around the globe; three in the US, one in Mexico and one in China.
Connectors/Cable/Adapters, Filters
- Piconics Inc.** 604
 Tyngsboro, MA
M. Gandhi, P. Natsios
 Conical inductors, ideal for broadband applications, air core inductors, ferrite core inductors, tunable inductors, toroids, and custom windings. Thin and thick film circuits, chip resistors, spiral film inductors, film terminations and attenuators. Custom work is our specialty.
Attenuators, Optoelectronic Components/Fiber Optics, Resistors/Capacitors/Inductors, Services, Terminations
- Picosecond Pulse Labs** 1623
 Boulder, CO
- Planar Electronics Technology** 912
 Frederick, MD
- Planar Monolithics Industries Inc.** 912
 Frederick, MD
T. Shew, K. Mason, R. Afable
 Planar Monolithics Industries Inc. (PMI) supplies state-of-the-art military grade ISO 9001 approved, RF/microwave hybrid MIC/MMIC components, threshold detectors, limiters & detectors, phase shifters & modulators, IF/RF log amplifiers & SDLVAs, low noise amplifiers, switched filter banks, frequency discriminators & IFMs, receiver front ends, integrated & custom systems/subsystems/assemblies and RFDUs.
Amplifiers, Couplers, Filters, Hybrids, Millimeter-wave Components, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Signal Processing Components, Synthesizers, Systems/Subsystems
- Plextek Ltd.** 2016
 Great Chesterford, Essex, UK
L. Devlin, T. Phipps, G. Pearson
 Plextek provides RF, microwave and mm-wave design and consultancy services, including full custom GaAs, MMIC design. We can design, and if required supply, custom components and/or products, or provide design consultancy services. Specific design skills include GaAs MMIC, Si RFIC, RF and microwave SMT, MIC, LTCC, MCMs and waveguide modules.
Amplifiers, Attenuators, Hybrids, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Phase Shifters, RFICs, Switches
- Pole/Zero Corp.** 1512
 West Chester, OH
K. Harrison, R. Vuketich
 Pole/Zero designs and manufactures digitally tunable RF filters, low noise amplifiers, pre/postselectors, filter/amplifier subsystems, cosite power amplifiers, solid state switches and synthesizers for mitigation of cosite interference in RF systems.
Amplifiers, Filters, Systems/Subsystems
- Polyfet RF Devices** 647
 Camarillo, CA
J. Citrolo, S.K. Leong
 Manufacturer of broad band power MOSFETs and power modules. Polyfet uses LDMOS and VDMOS technology. Some performance highlights are up to 400 W, up to 1.5 GHz, and up to 50 VDC.
Amplifiers, Diodes/FETs/Transistors
- Polyflon, a Crane Co. company** 1931
 Norwalk, CT
W. LaRusso, B. Williamson
 Polyflon manufactures copper clad substrates which include pure PTFE Cuflon™, NorCLAD™ a PPO based material, low loss/cost POLYGUIDE™ and provides expert in-house circuit processing from prototyping to full production quantities. Polyflon also produces HV/RF fixed/variable capacitors and plated PTFE components.
Materials, Printed Circuit Boards, Resistors/Capacitors/Inductors
- Precision Connector Inc.** 413
 Franklin, IN
S. McGeary, M. Keating
 Precision Connector Inc. designs and manufactures precision RF/microwave coaxial connectors for both military and commercial applications. PCI

offers customized connectors in the 1.85 mm, 2.4 mm, 2.92 mm, 3.5 mm, SMA, SSMA, N, TNC, SC, SMP, and SMPM series in addition to specialized designs for most other connector types.

Connectors/Cable/Adapters

Precision Photo-Fab Inc. 733

Buffalo, NY

T. Hibbert, B. Switzer

Metal fabricators specializing in photochemical etching of precision components requiring fine features or tight tolerances.

Antennas/Radomes, Filters, Materials, Millimeter-wave Components, Optoelectronic Components/Fiber Optics, Services, Shielding, Waveguide/Waveguide Components

Presidio Components Inc. 704

San Diego, CA

L. Devoe, G. Vorlop

New 50 V broadband capacitors for GaAn MMICs are available now. Presidio manufactures resonant free capacitors from 7 kHz to 100 GHz in surface-mount sizes 0201 to 0805 and 0.010" x 0.010" to 0.035" x 0.035" for chip and wire applications. Presidio's VB Series integrates RF bypass and DC decoupling capacitors into one wire bondable device.

Amplifiers, Antennas/Radomes, Attenuators, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, MMICs, Optoelectronic Components/Fiber Optics, Oscillators, Phase Shifters, Power Supplies, Resistors/Capacitors/Inductors, RFICs, Shielding, Signal Processing Components, Systems/Subsystems, Test and Manufacturing Equipment, Waveguide/Waveguide Components

Prewell Corp. 319

Anyang, Kyongki-Do, Korea

C.H. Kwak, M.Y. Jang

Prewell is a designer of RFIC/MMIC, specializing in the development of high performance GaAs ICs for modern wireless telecommunication and infrastructure. All products are developed using state-of-the-art InGaP/GaAs processes utilizing HBT and PHEMT devices. Our RF amplifiers' applications are gain block, mobile infrastructure, WCDMA, GSM, WSA, DMB, CATV, WiBro and WiMax.

Amplifiers, MMICs, RFICs

Pulsar Microwave Corp. 1548

Clifton, NJ

P. Claudio, M. Chilimintris

Pulsar Microwave Corp., established in 1987, is a valued supplier of high performance surface-mount and connectorized components covering select frequency bands up to 40 GHz. Voltage and digital controlled attenuators, directional couplers, hybrids, mixers, modulators, phase shifters, power dividers, signal processing components, and sub-systems.

Attenuators, Couplers, Hybrids, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Signal Processing Components, Systems/Subsystems, Switches, Terminations

Q Microwave Inc. 446

San Diego, CA

E. Maat, C. Higginson, D. Czagany, C. Shawan

Q Microwave specializes in quick-turn engineering and low-cost production microwave/RF filter and multiplexers from 20 MHz to 20 GHz. We offer rapid development cycle and custom packaging (SMT, Microstrip, Formed Leads, Connectors, etc.). Q Microwave is "Your On-Call Filter Department."

Filters

Q3 Laboratory 513

Hollister, CA

H. Masuda

Ceramic resonators coaxial, DR pucks, substrate, mono block.

Filters

QuartzLock 346

Totnes, Devon, UK

QUEST Microwave Inc. 1735

Morgan Hill, CA

A. Campbell, B. Campbell, N. Khayat

QUEST Microwave Inc. manufactures ferrite products (isolators and circulators) for cellular/PCN/PCS, communications, point-to-point radios, LMDS, and SATCOM/VSAT transceivers and converters.

Isolators/Circulators

Questech Services Corp. 433

Garland, TX

D. Hickman

Questech is a laser job shop featuring ceramic substrate scribing and drilling, laser silicon machining, resistor trimming, ceramic substrate dicing and sawing, and laser marking services.

Hybrids, Materials, SAW Devices, Services

QuinStar Technology Inc. 1905

Torrance, CA

R. Burtrum, S. Kuno, Y. Xia

MMW subsystems and integrated assemblies and components. Amplifiers, oscillators, mixers, PIN switches, circulators, isolators, waveguide assemblies, antenna products, cryogenically cooled products, rotary joints, radar systems.

Amplifiers, Antennas/Radomes, Attenuators, Couplers, Filters, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Oscillators, Phase Shifters, Power Dividers, Systems/Subsystems, Switches, Terminations, Test and Manufacturing Equipment, Waveguide/Waveguide Components

- R&D Microwaves LLC** 951
 East Hanover, NJ
C. Schraufnagl, M. Antkowiak
 Low PIM RF components for wireless and other high power applications from 50 MHz to 6 GHz. Directional couplers, dividers, 90–180 deg hybrids, unequal and equal dividers, suspended substrate diplexers, high voltage DC blocks, low PIM terminations, calibration kits, 7–16 DIN and Type N connectors, power and antenna VSWR monitors.
Couplers, Filters, Hybrids, Power Dividers, Terminations
- R&K Company Ltd.** 1712
 Fuji, Shizuoka, Japan
K. Hirano
 R&K is a leading company specializing in the design, development, and manufacture of high-performance and high-quality power amplifiers. The company also offers a wide range of RF/microwave components including double balanced mixers, power dividers, directional couplers, etc... exclusively for commercial applications.
Amplifiers, Attenuators, Filters, Hybrids, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, RFCs, Switches
- R-Theta Thermal Solutions Inc.** 435
 Mississauga, ON, Canada
A. Zaghlool
 R-Theta manufactures high performance air and liquid cooled heatsinks in aluminum and/or copper as well as board level heatsinks. Heatsink design requirements are supported by R-Tools, a free, online, software tool for both air and liquid applications. R-Tools can be accessed at www.r-theta.com.
Materials, Systems/Subsystems
- Radant MEMS Inc.** 1550
 Stow, MA
J. Maciel
 Radant produces ultra high reliability RF MEMS switches, phase shifters, reconfigurable antennas and custom MEMS products.
Phase Shifters, Switches
- Radiall-AEP** 2131
 New Haven, CT
C. Masnou, C. Sly
 Visit our booth and take a look at the smallest, most reliable RF switch in the market. Whoever said "bigger is better" hasn't seen this. We also manufacture high quality coaxial connectors, QPL connectors, SHF cable assemblies, military radio antennas and microwave components. We focus on aerospace, defense and instrumentation markets.
Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Optoelectronic Components/Fiber Optics, Switches, Terminations
- Reactel Inc.** 1722
 Gaithersburg, MD
M. Assurian, R. Hashemi, J. Assurian
 Reactel is a manufacturer of filters, multiplexers, switched filter banks and sub assemblies covering DC–50 GHz for defense, wireless and commercial users. Topologies include: cavity, combline, ceramic, tubular, interdigital, LC, miniature, suspended substrate and fast pack. We are ISO-9001 certified and can satisfy most any filter requirement.
Couplers, Filters, Power Dividers, Switches, Waveguide/Waveguide Components
- Reinhardt Microtech AG** 843
 Wangs, Switzerland
H. Reinhardt
 Thin film customer-specific circuits on LTCC for microwave applications, airbridges and multilayer (MCM-D), AuSn and Sn solder deposition and bumping, solder stop NiO or polyimide (further details see: www.reinhardt-microtech.ch).
Attenuators, Hybrids, Optoelectronic Components/Fiber Optics, Printed Circuit Boards, Resistors/Capacitors/Inductors, Services Waveguide/Waveguide Components
- RelComm Technologies Inc.** 1532
 Salisbury, MD
J. Tinkler, M. Magda
 For over a decade, Relcomm Technologies has been a leading edge telecom company devoted to RF/microwave coaxial relay and switch products. Development of industry standard devices reaches far beyond the individual "me too" product offering by incorporating unique design structures that bridge together commonality of components and manufacturing disciplines.
Signal Processing Components, Switches
- Remcom Inc.** 203
 State College, PA
S. Langdon, R. Brounman, R. Luebbers
 Turn to Remcom for electromagnetic simulation expertise. In addition to a power suite of 3D EM analysis solutions, we offer flexible licensing options for installations of all sizes, as well as custom engineered solutions for customers that need specific functionality. Remcom is committed to our customers' success through innovative products, excellent support, and effective training.
Software
- Remtec Inc.** 2114
 Norwood, MA
N. Rapoport
 Designs and manufactures metallized ceramic substrates (alumina, BeO) and packages from DC to 40 GHz with enhanced thermal management. Leadless SMT chip carriers and packages (hermetic and non hermetic) up to .75" in size for di-

rect PCB mount use PCTF® technology with plated copper tracks, hermetic thermal vias, wrap-arounds, embedded passives. Applications: custom microwave and power components, multichip modules. Value added: MW modeling, circuit design, test, assembly.

Amplifiers, Attenuators, Filters, Hybrids, Mixers/Modulators/Detectors, Optoelectronic Components/Fiber Optics, Oscillators, Power Dividers, Resistors/Capacitors/Inductors, Services

Renaissance Electronics Corp. 1800
Harvard, MA

B. Simpson, J. Kraft

Renaissance Electronics Corp., Harvard, MA, a technology-driven company, designs and manufactures products for avionics, defense, industrial, satellite communications, tele-communications and space applications. Our products include: circulators/isolators, electro-mechanical switches, switch matrices, power combiners, power dividers, transmitter combiners, receiver multi-couplers and integrated assemblies and components. ISO-9001 registered.

Isolators/Circulators, Power Dividers, Systems/Subsystems, Switches

Resin Systems Corp. 710
Amherst, NH

M. Bouchard

Resin Systems is the world's leading manufacturer of microwave loads, absorbers and terminations, in low, medium and high power applications. We manufacture custom and standard materials in rigid polyiron, silicone, urethane, flexible, and ceramic forms.

Attenuators, Materials, Shielding, Terminations, Waveguide/Waveguide Components

RF Depot.Com Inc. 1202
Beltsville, MD

R. Pouliot, R. Kramer

Single power divider covers 0.8 to 3.5 GHz wireless bands. Many other frequency bands on quick delivery. Free catalog with prices.

Terminations

RF Design Magazine 2210
Paramus, NJ

D. Schechter

RF Design offers technical, bench-level coverage, giving engineers the practical information they need to design radio-frequency components and products that work across the spectrum, from DC through light.

Publications

RF Globalnet 2144
Sewickley, PA

E. Cuniak

RF Globalnet is the leading online trade publication for the RF/microwave design industry, serving the needs of engineering professionals since 1996. Source product data, download demo software, read industry headlines and technical papers, discuss your design problems and more at www.rfglobalnet.com.

Publications

RF Industries' RF Connectors Div. 508
San Diego, CA

M. Gutsche, D. McReynolds

RF Industries' RF Connectors Division designs and manufactures coaxial connectors, adapters, cable assemblies and preparation/installation tools used in radio communications, wireless devices, broadcast installations, LANs and WLANs, antenna devices and cellular infrastructure.

Attenuators, Connectors/Cable/Adapters

RF Morecom 1804
Gunpo, Gyeonggi-Do, Korea

RF Morecom manufactures a wide range of filters and duplexers, multi-band duplexers for use at 70 MHz to 23 GHz.

Antennas/Radomes, Attenuators, Couplers, Filters, Oscillators, Power Dividers, Systems/Subsystems, Waveguide/Waveguide Components

RFHIC Corp. 422
Suwon, Korea

K. Kim

RF semiconductor MMIC and hybrid devices using GaAs HBT, MESFET, E-pHEMT and GaN processes for various RF components.

Amplifiers, Attenuators, Couplers, Diodes/FETs/Transistors, Hybrids, Mixers/Modulators/Detectors, MMICs, Power Dividers, Synthesizers, Systems/Subsystems

RFMD 1235/1311
Greensboro, NC

K. Ingram

RFMD® (Nasdaq GS: RFMD) is a global leader in the design and manufacture of high-performance RF systems and solutions. At IMS 2008, RFMD's Multi-Market Products Group (MPG) will showcase its innovative RF product portfolio for the wireless infrastructure, broadband and consumer, wireless connectivity, standard products and aerospace & defense market.

Amplifiers, Couplers, Diodes/FETs/Transistors, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Oscillators, RFICs, SAW Devices, Signal Processing Components, Synthesizers, Systems/Subsystems, Switches

RFMW Ltd. 651
San Jose, CA

J. Hamilton, S. Ulett

RFMW Ltd. is a specialized distributor that provides RF and microwave components as well as specialized component engineering support. We can assist you in selecting RF/MW/MMW semiconductors, passive components, connectors and cables for new OEM design and production. We can also source replacement of obsolete and hard to find devices.

Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Diodes/FETs/Transistors, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Oscillators, Phase Shifters, Power Dividers, Resistors/Capacitors/Inductors, RFICs, SAW Devices, Services Synthesizers, Switches, Terminations, Waveguide/Waveguide Components

RH Laboratories Inc. 952
Nashua, NH

S. Robinson, B. Robinson, T. Samson

RH Labs designs and manufactures solid state microwave and RF sub-assemblies, control components and receiver products for military and space applications. Our components and sub-assembly functions include PIN diode switches, amplifiers, detectors, limiters, variable attenuators, filters, mixers (double and triple balanced) and phase shifters.

Amplifiers, Attenuators, Couplers, Filters, Millimeter-wave Components, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Systems/Subsystems, Switches

Richardson Electronics 1626
LaFox, IL

S. Baniszewski, E. Engers

Richardson Electronics RF and Microwave Communications Group designs and distributes discrete devices, components and assemblies used in RF and wireless infrastructure, networks, digital broadcasting, defense and power conversion. Local technical sales engineers work side-by-side with your team to design circuits, select cost-effective components, test prototypes and help shorten your time to market.

Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Diodes/FETs/Transistors, Filters, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Oscillators, Phase Shifters, Power Dividers, Resistors/Capacitors/Inductors, RFICs, SAW Devices, Services Switches, Tubes

RJR Polymers Inc. 510
Oakland, CA

D. DeWire, J. Roman, R. Bregante, R. Ross, C. Marino

RJR Polymers is an integrated manufacturer of LCP packaging for the RF/wireless, telecom, and sensor markets. RJR offers eutectic die attachable LCP packages, pre-applied epoxy lids and sealing equipment. We are a volume manufacturer of air cavity QFN, small outline, power and custom packaging, epoxies and hi-end sealing equipment.

Materials, Millimeter-wave Components, Optoelectronic Components/Fiber Optics, Shielding

RLC Electronics Inc. 415
Mt. Kisco, NY

D. Borck, P. Jeffery

RLC Electronics has for more than 40 years provided innovative RF and microwave products to this industry, currently offering switches at 65 GHz, programmable attenuators, connectorised and surface mount filters, power dividers, couplers and detectors, waveguide switches, filters, couplers and adapters have recently been added to the product range.

Attenuators, Couplers, Filters, Hybrids, Phase Shifters, Power Dividers, Switches, Terminations, Waveguide/Waveguide Components

Rogers Corp. 1437
Chandler, AZ

Rogers Corp. is a global technology leader providing high performance laminates and components for use in high frequency and/or high reliability applications. Rogers will be showcasing their wide range of products including RO4000,[®] RO3000,[®] TMM[®] and RT/duroid[®] 5000 & 6000 series high frequency laminate materials and HEATWAVE[™] engineered thermal materials.

Materials

Rohde & Schwarz Inc. 623
Columbia, MD

Rohde & Schwarz is an independent group of companies specializing in electronics. It is a leading supplier of solutions in test and measurement, broadcasting, radiomonitoring, radiolocation and secure communications. Rohde & Schwarz has a dedicated service network in over 70 countries with 7200 employees and net revenue of \$1.9 B in fiscal year 2006/2007.

Test and Manufacturing Equipment

Rohm and Haas Electronic Materials 606
Philadelphia, PA

T. Bryant

Polystrata[™] microfabrication technology provides new and enabling technology for microwave and mm-wave components and 3-D subsystems with unprecedented size and performance. Based on micron-precision air-dielectric micro-coax, 0.2-1 mm in cross-section, an entire library of micro-components have been realized including cross-overs, hybrids, couplers, filters and diplexers. Cus-

tom components and designs are available from our ITAR compliant design & fabrication team.

Amplifiers, Antennas/Radomes, Connectors/Cable/Adapters, Couplers, Filters, Hybrids, Millimeter-wave Components, Mixers/Modulators/Detectors, Optoelectronic Components/Fiber Optics, Phase Shifters, Power Dividers, Services, Waveguide/Waveguide Components

Rosenberger North America LLC 1517
Lancaster, PA

J. Mohammed

Celebrating its 50th anniversary, Rosenberger will introduce its new products for the automated test equipment market. Products include high density impedance controlled interconnects to 40 GHz. Cable assemblies including the new quick-Lock SMA and Push-On SMA.

Connectors/Cable/Adapters

Roswin Inc. 1650
Cheonan, Chungnam, Korea

J. Shin

Roswin is a global partner of RF and microwave system manufacturers. They design and develop RF components and modules for commercial communication and military applications. Roswin's product lines include VCOs, PLL modules, ceramic filters and duplexers, RF and optic modules, among others. Visit Roswin.com for more information.

Amplifiers, Filters, Hybrids, Millimeter-wave Components, Mixers/Modulators/Detectors, Oscillators, Signal Processing Components, Synthesizers

Roth & Rau AG 2005
Hohenstein, Ernstthal, Germany

A. Kune, M. Zeuner, S. Brown

Roth & Rau operates worldwide as an experienced company in the field of plasma and ion beam technology. Recently, Roth & Rau offers with the Ion-Scan 800 an industry proven solution for high precision film thickness trimming and polishing error correction.

Test and Manufacturing Equipment

RTx Technology Co. Ltd. 1453
Sungnam, Gyeonggi, Korea

C.Y. Kim

RTx is a leading manufacturer of filter, duplexer, VCO, PLL and fiber optic transceiver and a supplier of various kinds of active and passive RF products.

Amplifiers, Attenuators, Couplers, Filters, Isolators/Circulators, Oscillators, Power Dividers, SAW Devices, Synthesizers

Sage Laboratories Inc. 715
Hudson, NH

L. Brunell, T. Cappello, D. Duncan, T. Lavallee, M. Wisner

Sage Labs designs and manufactures RF/microwave components and integrated sub-systems for the ECM/ESM, radar, test & measurement, and anti-IED markets. We have product expertise in filters, converters, multi-function assemblies, DFDs, mixers and many RF components. We engineer every new requirement to provide the best performing solution and value for the customer.

Filters, Hybrids, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Synthesizers, Systems/Subsystems, Switches

Samsung Electro-Mechanics 1157
Suwon, S. Korea

C.H. Lee

Samsung Electro-Mechanics was established in 1973 as a manufacturer of key electronic components and the company has grown into one of the industry leaders thanks to cutting-edge technology and top product quality.

Amplifiers, Antennas/Radomes, Attenuators, Filters, Materials, Oscillators, Printed Circuit Boards, Resistors/Capacitors/Inductors, RFICs, SAW Devices, Switches

Sangshin Elecom Co. Ltd. 651
Seoul, South Korea

S. Reidmiller

Sangshin Elecom is a leading provider of filters (LC, discrete, monoblock*, cavity), antennas (patch, GPS modules), VCOs, PLL modules and thermistors. We specialize in quick-turn customized parts, short production lead times, and high volume manufacturing. Look for our new Surface Mount Patch Antennas. *Sangshin is a licensed manufacturer of Monoblock filters.

Antennas/Radomes, Filters, Oscillators, Synthesizers

Santron Inc. 1042
Ipswich, MA

K. Sanders, C. Sanders, V. Caputo

Santron designs and manufactures RF coaxial and cable assemblies in a variety of standard and custom configurations from SMA through LC style. With headquarters in Ipswich, Massachusetts, and a wholly owned manufacturing facility in Suzhou, China, Santron offers a balanced approach to meeting market demands for high quality and competitive pricing.

Connectors/Cable/Adapters

Sawcom Tech Inc. 537
Whitehall, PA

D. Shaw

Very high shape factor SAW filters at very low

price. Fast delivery, outstanding service. Special at custom designed SAW devices.

Amplifiers, SAW Devices

Sawnics Inc. 2109
CheonAn-Si, Chungnam-Do, South Korea

M. Park

SAW filter for CDMA, GSM, BTS, DMB, WLL, GPS, ISM, PDA, RFID and mobile phone.

SAW Devices

Schleifring und Apparatebau GmbH 1807
Fuerstenfeldbruck, Germany

Schmid & Partner Engineering AG 2206
Zurich, Switzerland

N. Chavannes, M. Meili

SPEAG is the leading developer and manufacturer of the most reliable, efficient, user-friendly and advanced experimental and numerical tools for the electromagnetic near- and far-fields from DC to light. Our proven technology, application expertise, and world-wide support serve a wide array of markets around the world that use our products to solve applications from the simplest to the most complex and to improve EMI/EMC safety. www.speag.com; www.semcad.com.

Services, Signal Processing Components, Software, Systems/Subsystems, Test and Manufacturing Equipment

Scientific Microwave Corp. 2049
Montreal, QB, Canada

A. Saad, M. Saad, G. Saad, K. Saad

Design and manufacturing of 1-65 GHz passive microwave components and subsystems in standard and double ridge waveguides. That includes filters, filter combiners, phase combiners, RFI and radar cutoff filters, duplexers, 3-port and 4-port circulators, resonance isolators, ferrite switches, tuners, hybrids, couplers, magic tees, transitions and coax adapters, terminations, OMTs, flanges and waveguide accessories.

Antennas/Radomes, Attenuators, Couplers, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Phase Shifters, Power Dividers, Services, Software, Switches, Terminations, Waveguide/Waveguide Components

Semflex Inc. 1143
Mesa, AZ

D. Hartje, S. Hardin, B. Thiele

Semflex manufactures a complete line of passive RF and MW interconnects. Products include connectors, adapters, bulk cable, and cable assemblies.

Connectors/Cable/Adapters

Semi Dice Inc. 1050
Los Alamitos, CA

D. Cormack

Bare die distribution and wafer processing services. Both active and passive devices include Analog Devices, National Semiconductor, Vishay Intertechnology, Fairchild Semiconductor, International Rectifier, IRC Advanced Film Division, Microsemi Corp.

Diodes/FETs/Transistors,

Resistors/Capacitors/Inductors, Services

Semiconductor Packaging Materials 347
Armonk, NY

SET Tech Co. Ltd. 336
Incheon, Korea

J. Ng, E.J. Min

RF technical solution filter for repeater manufacturer. 1. Cavity filter-BPF, duplexer, multiplexer. 2. LC filter-BPF, duplexer (HPF, LPF, triplexer and multiplexer). 3. DR filter-array (BPF, duplexer), monoblock (BPF, duplexer). Wide band hybrid coupler: 200W, 800-2500 MHz. Wide band directional coupler: 200W, 540-2500 MHz. Wide band power divider: 1. 100W, 800-2700 MHz, 2. 200W, 540-2500.

Couplers, Filters, Hybrids, Power Dividers

Shadow Technologies Inc. 302
Longwood, FL

Shenzhen Kingsignal Cable Tech Co. 2133
Shenzhen, Guangdong, China

Shenzhen Shennan Circuits Co. Ltd. 414
Shenzhen, Guangdong, China

J. Sun

Established in 1984, Shennan Circuits is a leading manufacturer of high speed and high frequency printed circuit boards for RF/microwave industries. The customers cover Asia, USA and Europe. Shennan Circuits has a good public fame among PCB industries for its high quality, high-tech and steady products and satisfied service.

Printed Circuit Boards

Shenzhen Sinte Technology Co. Ltd. 310
Shenzhen, Guangdong, China

J. Guo

Passive components, active components and system devices. The products are widely used in mobile communication, trunk communication, RF identification, satellite communication, digital TV and military industry.

Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Hybrids, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Power Supplies, Printed Circuit Boards, Services, Shielding, Signal Processing Components, Switches, Terminations, Test and Manufacturing Equipment

Shoulder Electronics Co. Ltd. 426
Shenzhen, Guangdong, China

Shoulder Electronics Co. Ltd. is a hi-tech company specialized in development, production, and distribution of SAW filter and SAW resonator, radio frequency apparatus and modules, etc.

Filters

Sigma Systems Corp. 1815
San Diego, CA

S. Hoover, R. Freiwald, E. Moore, D. Fennessy

Sigma Systems creates precisely controlled temperature environments for testing and processing. A manufacturer of environmental, temperature, humidity chambers, hot/cold plates, tool ovens and temperature controllers. Specializing in high accuracy, small footprint, high production, and laboratory thermal test and conditioning equipment of exceptional quality since 1956. Standard, semi-custom and custom applications, with years of experience in engineering creative solutions.

Test and Manufacturing Equipment

Signatone (Lucas/Signatone) 1630
Gilroy, CA

M. Hathaway, B. Murphy

Celebrating 40 years of analytical probing experience, Signatone is a recognized leader in mechanical and measurement technologies. The WaveLink Series of RF/microwave probe stations combines the best of both worlds with a full suite of tools designed to provide the ultimate in calibration/test correlation, while simplifying the process of viewing, aligning and probing device structures. Come by and discover what you've been missing.

Test and Manufacturing Equipment

Silicon Cert Ltd. 322
Reading, PA

L. Heck, R. Clapper

Reliability and qualification testing of integrated circuits, opto-electronic, RF products, power ICs, and passive components to standards including JEDEC, MIL-STD, AEC, and GR-468. Analytical services include Scanning Electron Microscopy (SEM), encapsulation, CSAM, Auger Electron Spectroscopy (AES), and cross-sectioning. ISO-9001:2000 certified and DSCC Laboratory Suitable for MIL-STD-883.

Services

Simulation Technology & Applied Res 430
Mequon, WI

J. DeFord, B. Held

The Analyst finite-element software package is a powerful, parallel electromagnetic design environment, making efficient use multiprocessors and computer clusters to rapidly solve large problems and to dramatically shorten your design cycle. Come by our booth for a demonstration and free evaluation copy, and see what Analyst can do for you.

Software

Sinclair Manufacturing Co. 429
Chartley, MA

H. Okeefe, J. Koppen

Manufacturer of hermetic microelectronic packages for microwave, fiber optic, power and optical applications.

Amplifiers, Hybrids, Mixers/Modulators/Detectors, Optoelectronic Components/Fiber Optics, SAW Devices, Switches

Skyworks Solutions Inc. 1617
Woburn, MA

Skyworks Solutions Inc. is an innovator of high performance analog and mixed signal semiconductors enabling mobile connectivity. The company's power amplifiers, front-end modules and direct conversion radios are at the heart of many of today's leading-edge multimedia handsets. Leveraging core technologies, Skyworks also offers a diverse portfolio of linear products that support automotive, broadband, cellular infrastructure, industrial and medical applications.

Amplifiers, Attenuators, Couplers, Diodes/FETs/Transistors, Filters, Mixers/Modulators/Detectors, MMICs, Power Dividers, RFICs

Sonnet Software Inc. 1443
North Syracuse, NY

J. Foss

Sonnet Software is dedicated to the development of high frequency electromagnetic analysis software. Sonnet's software is aimed at today's demanding design challenges involving predominantly 3D planar circuits and antennas (including microstrip, stripline, coplanar waveguide), PCB (single and multiple layers) and RF packages incorporating any number of layers of metal traces embedded in stratified dielectric material.

Software

Soshin Electric Co. Ltd. 2148
Santa Clara, CA

S. Omiya

A leader and solution provider for LTCC modules and components (filters, baluns and balanced filters), LC filters, Mica capacitors, optical fiber arrays, VCOs and EMI filters. We offer for RF subscriber and high power infrastructure applications as well as optical applications. Custom designs always welcome.

Amplifiers, Couplers, Filters, Hybrids, Optoelectronic Components/Fiber Optics, Phase Shifters, Resistors/Capacitors/Inductors, Waveguide/Waveguide Components

Sources East Inc. 1350
Campbell, CA

Southwest Microwave Inc. 2043
Tempe, AZ

J. Kubota, B. Clyatt, W. Rosas, D. Leavitt,
R. Griffin, D. Shaff

Industry lowest RF leakage < -100 dB. (1) field replaceable "extended power" 27+ GHz SMA; (2) 18 GHz TNC and N; (3) SSMA and 2.92 mm to 40 GHz; (4) 2.40 mm to 60 GHz; (5) 60 GHz "Size 20" contacts for Micro-D (M83513), D-Sub (M24308) and D38999 connectors; (6) microstrip, stripline and coplanar launchers; (7) RoHS and DFARS compliant. Hi-Temp/Hi-Power.

Connectors/Cable/Adapters, Terminations

Spectrum Control 1835
Erie, PA

Spectrum Elektrotechnik GmbH 1735
Munich, Germany

P. Von Nordheim

Added this year was the SQ-12 and SM23-DC10, connecting up to 23 RF and 26 DC lines at once, besides phase shifters, connectors, adapters and cable assemblies to 67 GHz, gain equalizers, delay lines, SMP calibration kits, the CNCA-700, etc.

*Attenuators, Connectors/Cable/Adapters,
Isolators/Circulators, Phase Shifters,
Systems/Subsystems, Terminations, Test and
Manufacturing Equipment,
Waveguide/Waveguide Components*

Spectrum Microwave Inc. 1835
Philadelphia, PA

W. Witt

Spectrum Microwave, bringing together the talents of Amplifonix, Q-Bit, EMF, FSY and Salisbury Engineering into one world class organization. Specialists in: amps, filters, mixers, VCOs and integrated systems.

*Amplifiers, Attenuators, Filters, Hybrids,
Mixers/Modulators/Detectors, Oscillators,
Synthesizers, Systems/Subsystems, Switches,
Waveguide/Waveguide Components*

Spectrum Power Mgmt. Systems 1835

Spectrum Sensors & Controls 1835

Sprague-Goodman Electronics Inc. 1553
Westbury, NY

D. Ditya, M. Marisson

Sprague-Goodman manufactures trimmer capacitors (air, ceramic, film, glass, mica, quartz and sapphire dielectrics); microwave tuners; metalized glass inductors and tuners; SMT trimmers, inductors, RF coils, directional couplers, baluns, transformers; varactor diodes; and insulated tuning tools.

*Couplers, Diodes/FETs/Transistors,
Resistors/Capacitors/Inductors*

SRI Connector Gage Co. 1436
Melbourne, FL

M. Huser, V. Garrett, S. Bristol

Designer and manufacturer of precision coax connectors and adapters. Specializing in 1.85 mm, 2.9 mm, 2.4 mm, N, SMA, RK, TNC. Virtual catalog company offering new part numbers with little or no NRE_ interface and separation force gages.

Connectors/Cable/Adapters

SRI Hermetics Inc. 1436
Melbourne, FL

E. Taylor, K. Taylor, J. George, J. Petri

Hermetic connector and electronic housing manufacturer utilizing high reliability technology and material science to create advanced, reliable and cost effective packaging solutions. Materials include aluminum, titanium, stainless steel, and others. Connectors: Sub, Micro, Nano and custom multi-pin, as well as many standard 50 ohm and DC feedthroughs.

Connectors/Cable/Adapters

SSI Cable Corp. 713
Shelton, WA

R. Williams, B. Smith, B. Sowers

SSI Cable Corp. manufactures high quality microwave coaxial cable assemblies of all types to customer specifications: flexible, semi-rigid, cryogenic, phase-matched, delay lines, and wire harness. Copper, aluminum, stainless steel cable with soldered or welded connector joints and a variety of connectors and dielectrics.

Connectors/Cable/Adapters

State of the Art Inc. 700
State College, PA

B. Hoy

High reliability surface mount specialists offering chip attenuators, high frequency resistors, chip terminations, high power resistors on BeO and AlN, coplanar attenuators, custom thick film, and thin film resistors and networks. QPL listing for MIL-PRF-55342, MIL-PRF-32159 and MIL-PRF-914. ISO9001 and AS9100 registered. RoHS compliant products available. Made in USA.

*Attenuators, Filters,
Resistors/Capacitors/Inductors, Terminations*

Stealth Microwave 516
Trenton, NJ

S. Barthelmes

Part of the Micronetics family of RF microwave technology, Stealth manufactures power amplifiers in linear, ultra linear and wide band. Rack mounted amplifiers and custom solutions.

Amplifiers, Services

Stellar Industries Corp. 2001
Millbury, MA

R. Visser

Copper on ceramic metalized substrates for medium to high power RF circuits.

Hybrids, Printed Circuit Boards, Services

Stellar Microelectronics 206
Valencia, CA

StratEdge Corp. 2039
San Diego, CA

T. Going, C. Krawiec, B. King

StratEdge designs and manufactures electronic packages and provides assembly and test services. We have post-fired ceramic/molded ceramic packages operating from DC to 50+ GHz, with patented electrical transition designs that allow for exceptionally low electrical losses. Markets served include telecom, mixed signal, VSAT, broadband wireless, satellite, military, test/measurement, automotive and MEMS.

Summitek Instruments Inc. 1526
Englewood, CO

R. Hartman, D. Martin

Summitek will exhibit their Spartan Automated Test & Data Management solution for s-parameter and PIM testing. This web based system adds test configuration management and traceability. It helps reduce test time and cost and improves data quality. Data mining and integrated data processing can benefit many disciplines within the organization.

Test and Manufacturing Equipment

Suron ACA Ltd. 2224
DN Menashe, Israel

O. Adar, L. Kramer

Suron produces intricate and precise metal parts by photochemical machining, laser cutting and electroforming. We offer in house gold and nickel plating and stainless steel passivation. We produce from a large variation of metals including titanium, moly-copper, nitinol, CoCr, kovar, stainless steel and others. Parts are produced according to customer's design including shims, meshes, contacts, flat springs and many more. ISO 9001:2000 certified.

Fillers, Printed Circuit Boards, Shielding, Switches

SUSS Microtec Inc. 1017
Waterbury, VT

L. Jaffe

SUSS MicroTec Test Systems is a world leader in premium performance on-wafer test systems, and has been designing and manufacturing innovative probe systems for over 30 years. With the increasing complexity of IC devices, our systems are designed to streamline the testing process by leveraging our application expertise to provide complete solutions tailored to your needs. For more information, visit www.suss.com.

Software, Test and Manufacturing Equipment

SV Microwave Inc. 801
West Palm Beach, FL

S.Gwilliams, B. Nothum, M. Okell, J. Shea

The innovation leader of the RF/microwave industry, specializing in custom and high performance connectors including SMA, SSMA, SMP, ZMA, BMA, BMMA, BMZ, BZ, 2.92 mm, 2.4 mm, 3.5 mm, 7 mm, TNC, Type N, high frequency 3899 contacts and high power. SV also produces HiRel connectors and components, multi-contact assemblies, cable assemblies, attenuators, terminations.

Attenuators, Connectors/Cable/Adapters, Millimeter-wave Components, Mixers/Modulators/Detectors, Phase Shifters, Signal Processing Components, Terminations

CW Swift & Associates Inc. 1733
Van Nuys, CA

C. Swift, S. Swift, A. Swift

Distributor and manufacturer's rep of precision RF, microwave and millimeter wave adapters, connectors and components: 1.0 mm, 1.85 mm, 2.4 mm, 2.9 mm, 3.5 mm, 7 mm, BNC, C, HN, N, SC, SSMA, SSMB, SSMC, SMA, TNC and custom interfaces. Fixed attenuators and terminations to 18 GHz, 26.5 GHz, 40 GHz and 50 GHz. Mil-Qualified attenuators and terminations. Waveguide to coax adapters. Test and production cable assemblies. All available from stock except on St. Patrick's day.

Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Hybrids, Phase Shifters, Power Dividers, Resistors/Capacitors/Inductors, Terminations, Waveguide/Waveguide Components

Synergy Microwave Corp. 900
Paterson, NJ

A. Almeida

Low phase noise planar resonator oscillators rivaling the phase noise performance of expensive SAW and CRO/DRO oscillators, YIG like VCOs offering ultra-wide bandwidth and low power consumption, highly versatile synthesizers in optimized and higher than octave bandwidths, high IP3 FET mixers, wideband mixers up to 18 GHz, high power signal processing couplers and 90 degree hybrids.

Attenuators, Couplers, Filters, Hybrids, Mixers/Modulators/Detectors, Oscillators, Phase Shifters, Power Dividers, Signal Processing Components, Synthesizers

T-Tech Inc. 452
Norcross, GA

W. Gifford, D. Cromey, J. Taylor, P. Anderson, R. Fisher

Quick Circuit is a system for creating prototype circuits without chemical etchants. Quick Circuit is used in over 60 countries and is especially well suited for RF and microwave circuits. Quick Circuit works with a wide variety of circuit materials including FR-4, Rogers, Taconic and Arlon.

Printed Circuit Boards, RFICs, Software, Test and Manufacturing Equipment

Taconic 637
Petersburgh, NY

T. McCarthy, E. Sander, D. Boulanger, S. Reynolds, O. Zhu

Taconic offers a wide range of high frequency laminates and prepregs used for fabrication of antennas, multilayer RF and high speed digital boards, interconnections and devices. Unique materials include low-loss prepregs, microwave laminates designed for low moisture and solvent resistance to enhance performance in difficult environments and low-loss flexible laminates.

Materials

Tactron Elektronik OHG 852
Planegg, Germany

G. Schmidt, N. Reiser

Sales representatives for US based companies in Germany, Austria and Switzerland for RF/microwave and fibre optics, components, modules, systems and software.

Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Diodes/FETs/Transistors, Filters, Hybrids, Isolators/Circulators, Materials, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Optoelectronic Components/Fiber Optics, Oscillators, Phase Shifters, Power Dividers, Printed Circuit Boards, Publications, Resistors/Capacitors/Inductors, RFICs, SAW Devices, Services, Signal Processing Components, Software, Synthesizers, Systems/Subsystems, Switches, Terminations, Test and Manufacturing Equipment, Tubes

Talley Communications Corp. 2102
Santa Fe Springs, CA

P. Flynn

Talley Communications Corp. is a leading distributor of wireless communications infrastructure and mobile products. Talley has served the market for 25 years and stocks more than 200 top manufacturers. Based in Los Angeles, Talley offers five distribution centers nationwide and can provide two-day ground shipping to the majority of the US.

Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Test and Manufacturing Equipment

Tecdia Inc. 1848
Santa Clara, CA

C. Hung

With over three decades of single layer chip capacitor, ultra hi-K SLC, high power bias-T, DC power supply board and many more technological developments, Tecdia has created unsurpassed techniques and knowledge. With our experience, we will find a solution to simplify your dreams.

Amplifiers, Oscillators, Power Supplies, Resistors/Capacitors/Inductors

Technical Research & Manufacturing 1339
Bedford, NH

P. Beaumont, T. Cole, S. Moore

Custom engineered solutions for passive RF and microwave signal control components and subsystems. Also offers a full line of catalog power dividers, directional couplers and hybrids.

Couplers, Hybrids, Power Dividers

Technical Services Laboratory Inc. 515
Ft. Walton Beach, FL

A. Corbin, P. Petropoulos, W. Howell

Technical Services Laboratory is a manufacturer of pulsed power amplifiers and transmitters for airborne and ground applications. Our main focus has been on solid state microwave amplifiers for IFF, TCAS, DME/TACAN. L-band and S-band applications. Output power levels range from 20 to 4000 watts.

Amplifiers

Tegam Inc. 600
Geneva, OH

A. Brush, M. Eckart

Visit Tegam in Booth 600 to see a demonstration of the new Model 1830A RF Power Meter. Designed to replace the HP432A, the 1830A achieves the lowest uncertainty RF power measurement available. It is compatible with virtually all existing thermistor based RF power sensors and has LXI-C and USB interfaces.

Amplifiers, Test and Manufacturing Equipment

Tektronix Inc. 2023
Beaverton, OR

D. McCarthy, W. Arceneaux

Tektronix' 60 years of experience has led to many advancements in RF and microwave technologies. Our innovative products are redefining performance instruments for RF design engineers, enabling you to solve your most complex technical challenges. Visit our booth to learn more. www.tektronix.com.

Test and Manufacturing Equipment

Teledyne Coax Switches 823
Hawthorne, CA

M. Palakian

Teledyne Coax Switches deliver highly reliable and highly repeatable switches and matrices for RF and wireless, medical, military, commercial, and space applications. Teledyne's comprehensive product lines deliver switching solutions from DC to 33 GHz with low passive intermodulation (PIM). Custom and off the shelf microwave switching solutions are available at www.teledynecoax.com.

Attenuators, Switches

- Teledyne Cougar Inc.** 823
 Sunnyvale, CA
D. Cheadle
 Teledyne Cougar designs and manufactures catalog and custom RF and microwave components and subassemblies (300 KHz–20 GHz) for aerospace, defense and industrial applications. Cougar also provides a complete range of value-added services, including die services (packaging, screening, binning), hybrid assembly, RF/DC testing, environment screening, lot acceptance testing, and element evaluation.
Amplifiers, Attenuators, Hybrids, Mixers/Modulators/Detectors, Oscillators, Power Dividers, Systems/Subsystems, Switches
- Teledyne KW Microwave** 823
 Poway, CA
R. Finney
 Teledyne KW Microwave's product line includes filters (all types), multiplexers, diplexers, multipliers, switch filters, along with integrated sub-systems. We supply components and subsystems from 5 MHz to 40 GHz. We can support large quantity production requirements as well as prototype development opportunities.
Filters, Waveguide/Waveguide Components
- Teledyne MEC** 823
 Rancho Cordova, CA
H. Wilson
 Teledyne MEC is a world leader in the design, development and manufacture of high power, broadband, helix Traveling Wave Tubes for airborne, shipboard, transport vehicle and laboratory environments in today's ECM, radar, communication and instrumentation markets.
Tubes
- Teledyne Microelectronics** 823
 Los Angeles, CA
S. Calvillo
 Teledyne Microelectronics is a full service design and contract microelectronics manufacturer offering innovative design approaches in packaging and testing of RF and microwave devices up to 50 GHz and optical up to 40 Gbs. We specialize in RF to optical integration for hi-rel aerospace, military and industrial applications.
Hybrids, Optoelectronic Components/Fiber Optics, Services, Signal Processing Components, Systems/Subsystems, Switches
- Teledyne Microwave** 823
 Mountain View, CA
R. Finney
 Teledyne Microwave has over 40 years experience providing amplifiers, synthesizers, YIG oscillators/filters, BAWs and transceivers up to 50 GHz. Through our continuous inventiveness, we have evolved into an expert sub-system provider serving EW, radar, point-to-point radio & satcom markets. We are "the complete microwave solution".
Amplifiers, Attenuators, Filters, Oscillators, Systems/Subsystems
- Teledyne Relays** 823
 Hawthorne, CA
M. Palakian
 For more than 40 years, Teledyne Relays has delivered ultraminiature, hermetically sealed RF-EMR relays for military, commercial, and space applications. Teledyne's comprehensive product line delivers switching solutions from DC to 8 GHz with less than 1 dB insertion loss. Custom designs or off-the-shelf switching solutions are easy to locate at www.teledynerelays.com.
Attenuators, Switches
- Teledyne Scientific Co.** 823
 Thousand Oaks, CA
E. Merlo
 Teledyne Scientific offers a range of high performance data converters (ADC and DAC), Track-and-Hold amplifiers, direct digital frequency synthesizers, millimeter-wave and submillimeter-wave Schottky diodes. We work with our customers in military, aerospace, telecommunications, and ATE systems to address their needs offering off-the-shelf components and complete design services for customized solutions.
Diodes/FETs/Transistors, Millimeter-wave Components, RFICs, Signal Processing Components, Synthesizers
- Teledyne Storm Products Inc.** 628
 Woodridge, IL
M. Thompson, K. Weber, D. Gearing
 Teledyne Storm Products-Microwave manufactures 50 ohm coaxial cable and cable assemblies, offering Tailored Systems Solutions for defense systems, Test & Measurement Products for defense and telecom applications, and Build-to-Print Manufacturing Services for defense and select telecom markets. Products include Phase Master[®] Tru Blue[®], Storm Flex[™] and Accu-Test[®] flexible assemblies, and high performance low loss semi-rigid cable and assemblies.
Connectors/Cable/Adapters
- Teledyne Technologies** 823
 Thousand Oaks, CA
- Telegartner Inc.** 1452
 Franklin Park, IL
 Telegartner is a leading manufacturer of coaxial connectors (BNC, TNC, UHF, Mini-UHF, N, 7/16, 1.6/5.6, FME, SMA, SMB, SMC, SSMB, MCX and MMCX), surge suppressors (gas tube and 1/4 wave stub), jumper cables, coaxial cable assemblies, fiber optic connectors, patch cables and adapter

cables.

Connectors/Cable/Adapters, Optoelectronic Components/Fiber Optics, Terminations

TeleMobile Electronics 2115
Gdynia, Poland

M. Langowski, J. Michalski, T. Cegielski

TeleMobile Electronics provides professional solutions in RF and microwave technologies. Strong R&D activities and latest invention: Intelligent Automatic Filter Tuning Tool show our way via innovation in RF and microwave industry area. We are also independent repair services centre for Nokia/Ericsson/Siemens base stations equipment.

Amplifiers, Filters, Services, Software, Systems/Subsystems, Test and Manufacturing Equipment

Tensolite 1637
St. Augustine, FL

M. Temple, M. Peeran, P. Vaccaro, J. Burgess, P. Bisio, S. Begley, K. Peters, C. Tutt, J. Minor, K. Ickes

RF/microwave cable interconnect and assembly solutions. By virtue of vertical integration, Tensolite can provide solutions encompassing every facet of design and production. Products are targeted at applications in the aerospace, test and measurement, defense electronics and specialty applications.

Connectors/Cable/Adapters

Terabeam/HXI 403
Haverhill, MA

D. Wheeler, E. Stewart

Terabeam/HXI supplies millimeter wave components and subsystems for military and commercial systems worldwide. Products include transceivers, low noise and power amplifiers, frequency converters and switches in a core frequency range of 18 to 110 GHz, as well as radio links at 60 and 74 GHz. Fast prototyping services and custom-engineered products ranging from single functions to highly integrated assemblies are available.

Amplifiers, Attenuators, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Oscillators, Power Dividers, Services, Systems/Subsystems, Switches, Waveguide/Waveguide Components

Test & Measurement World BIN
Waltham, MA

Test & Measurement World is the best-read magazine covering quality in the electronics industry. Written for engineers and engineering managers, *Test & Measurement World* includes in-depth technical articles and product information. To sign up for one of our industry email newsletters, or to subscribe to the magazine, go to www.tmwworld.com.

Publications

Thales Components Corp. 809
Totowa, NJ

G. Plowman, R. Wall, S. Shpicks, J. Emanuele

Thales Electron Devices, the world's leading manufacturer of microwave electron tubes from 5.85 GHz to over 45.5 GHz in the C through EHF band regions. Since 1968 we have supplied innovative and reliable products to microwave markets including broad or narrow band military, space, commercial broadcast, science, mini and custom applications.

Amplifiers, Tubes

Thunderline-Z 1143
Hampstead, NH

L. St. Pierre, B. Field, D. Breed

Hermetic feedthrus, glass to metal seal packages and solder sealed packages. ITAR registered. You focus on the electronics and Thunderline-Z will provide the mechanical package solution.

Connectors/Cable/Adapters, Filters, Terminations

Times Microwave Systems 1000
Wallingford, CT

R. Perelman, L. Caruso, P. Tusini, T. Prema, F. Kaczor, B. McGill

Times Microwave Systems is a leader and pioneer in the development of high reliability coaxial cables and cable assemblies for demanding interconnect applications. Products cover military-aerospace, shipboard and commercial wireless applications and include high-performance flexible, semi-flexible and rigid coaxial cable assemblies and flexible 50 ohm LMR® cables, connectors and assemblies.

Connectors/Cable/Adapters

Toshiba America Electronic Comp. 1701
Irvine, CA

P. Lin

For more than 20 years, Toshiba has offered power GaAs FETs for the communications infrastructure market including X/Ku and C-band to support SATCOM and terrestrial communications. GaN technology will also be displayed. Toshiba also provides MOSFET and RF modules for industrial, Ham, and Marine radios.

Amplifiers, Couplers, Diodes/FETs/Transistors, Optoelectronic Components/Fiber Optics

TRAK Microwave Corp. 1528
Tampa, FL

TRAK Microwave is a supplier of high reliability integrated microwave subsystems for defense, space and commercial markets. For over 45 years, TRAK has provided global manufacturers of military electronics, satellite, navigation and commercial communication systems with integrated multi-function assemblies, frequency sources, ferrite assemblies, and precision time and frequency systems.

Isolators/Circulators, Oscillators, Signal Processing Components, Synthesizers, Systems/Subsystems

Trans-Tech Inc. 1611
Adamstown, MD

K. Wauls

Trans-Tech Inc., a wholly-owned subsidiary of Skyworks Solutions Inc., is the industry leader in the design, development and manufacture of RF ceramics. Products include dielectric pucks, ferrite materials, RF filtering components and advanced technical ceramics for commercial, industrial, medical, RFIC and homeland security markets.

Filters, Isolators/Circulators, Materials, Systems/Subsystems

Transcom Inc. 946
Tainan, Taiwan

C. Chang, T. Chen

GaAs microwave devices and MMICs. Microwave amplifiers and modules.

Amplifiers, Hybrids, MMICs

Trilithic Inc. 1836
Indianapolis, IN

M. Burton, S. Johnson

Trilithic is an innovative provider of RF & microwave solutions. Our product line includes custom filters for military & commercial applications, subsystems for test/verification environments, and in stock attenuators, switches & other signal control components. New products introduced at MTT will include 6 GHz programmable attenuators and ethernet controlled tunable filters.

Attenuators, Filters, Power Dividers, Switches, Terminations

TriQuint Semiconductor 1023/1027
Hillsboro, OR

TriQuint supplies GaAs/SAW/BAW products for base stations, digital radio, military and wireless. TriQuint is the leading network SAW filter maker. Our RF front-end modules are in the world's leading handsets. TriQuint manufactures products for WiFi, WiMAX, Femtocells, Picocells. See our world-class GaAs foundry for custom needs.

Amplifiers, Filters, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Optoelectronic Components/Fiber Optics, Oscillators, RFICs, SAW Devices, Switches

Trompeter 1143
Mesa, AZ

K. Cerniak

Trompeter Electronics produces RF interconnect end products, cross-connects, and related tools for the telecom, central office, broadcast, military aerospace, and instrumentation markets worldwide. In addition, the company has a broad line of patch panel insertion-controlled interconnect

modules and a rapid response RF cable assembly business.

Connectors/Cable/Adapters

Tronser Inc. 804
Cazenovia, NY

J. Dowd, L. Dowd, L. Davis, M. Tronser

Air dielectric and sapphire dielectric variable capacitors, microwave tuning elements, aluminum housings and covers, precision turned and milled components.

Amplifiers, Filters, Millimeter-wave Components, Oscillators, Resistors/Capacitors/Inductors, Waveguide/Waveguide Components

TRS-RenTelco 2119
DFW Airport, TX

G. Borysko

TRS-RenTelco is one of the largest test equipment rental and leasing companies in North America. We specialize in renting general purpose, communication, fiber optic, and industrial test equipment, while providing you with exceptional service. It's important you get what you want, when you need it. Equipment Now. Service Beyond.

Amplifiers, Attenuators, Optoelectronic Components/Fiber Optics, Power Supplies, Signal Processing Components, Synthesizers, Test and Manufacturing Equipment

TRU Corp. 717
Peabody, MA

E. O'Neill, S. O'Neil, T. Martiniello, E. Kersten, G. Coorks, A. Laflin, B. St. Pierre

TRU Corp. has created and pioneered RF and microwave interconnect solutions and assemblies for over 50 years. Connector and cable assemblies for demanding applications in military, aerospace, telecom, semiconductor, medical and industrial applications. Come experience the "Power of Creativity."

Connectors/Cable/Adapters, Systems/Subsystems

TT electronics 2227
Perry, OH

S. Foreman, J. Anderson, M. Sowa

TT electronics-Integrated Manufacturing Services is a powerful EMS resource combining the skills and technologies of five strategically located manufacturing sites under a single umbrella. The synergy of our organization provides the convenience and flexibility for your local and global manufacturing requirements.

Services

TTE Europe 852
Steindorf, Germany

N. Raiser

TTE Europe is one of the most innovative providers of microwave, RF and optical products. The product range includes test assessors like cables, attenuators, adapters, terminations and optical

patch cords.

Amplifiers, Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Optoelectronic Components/Fiber Optics, Phase Shifters, Resistors/Capacitors/Inductors, RFICs, Signal Processing Components, Software, Synthesizers, Systems/Subsystems, Switches, Terminations, Waveguide/Waveguide Components

TTE Inc. 534

Los Angeles, CA

D. Zvac, J. Gilmore, S. Sodaro

Since 1956, TTE has led the way in the design, development and manufacture of active and passive filters from 0.1 Hz to 26 GHz. Most LC filters are available in one week ARO for 10 or less units, four weeks for 100 units ARO. Visit our web site www.tte.com.

Filters

AJ Tuck Co. 1653

Brookfield, CT

Tyco Electronics: Aerosp & Def Prod 1723

Tyco Electronics: CC&CE Products 1723

Tyco Electronics: GIC Products 1723

Tyco Electronics: M/A-COM Products 1723

Lowell, MA

D. Piero

Tyco Electronics is a leading supplier of RF and microwave integrated circuits, components, sub-systems, radio systems, connectors, relays, circuit protection devices, shrink tubing, cable assemblies, cable harnessing and fiber optic components. We design, manufacture and market products for customers in industries from automotive, appliance and aerospace and defense to telecommunications, computers and consumer electronics. Please visit us at www.tycoelectronics.com.

Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Diodes/FETs/Transistors, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Oscillators, Phase Shifters, Power Dividers, Power Supplies, Resistors/Capacitors/Inductors, RFICs, Synthesizers, Systems/Subsystems, Switches, Waveguide/Waveguide Components

UBE Industries Ltd. 2226

Tokyo, Japan

Y. Iwamoto

Dielectric ceramic filters and duplexers for cellular infrastructures, WiMax BTS/handsets and other applications for 500 MHz to 6 GHz range. Latest development significantly contributes to cost,

weight and space reduction of base station and infrastructure equipment.

Filters

UltraSource Inc. 1900

Hollis, NH

M. LoFrumento

UltraSource Inc. is a custom thin film fabrication company incorporated in 1991, specializing in complex thin film circuits and interconnects. We offer thin film interconnect options integrating passive circuit elements on a single layer or multi-layer substrate utilizing our proprietary Ultra-Bridge[®], UltraInductor[®] and UltraCapacitor[®] technologies.

Amplifiers, Attenuators, Couplers, Filters, Hybrids, Isolators/Circulators, Materials, Millimeter-wave Components, Optoelectronic Components/Fiber Optics, Phase Shifters, Power Dividers, Printed Circuit Boards, Resistors/Capacitors/Inductors, Signal Processing Components, Switches, Terminations

United Monolithic Semiconductors 811

Orsay, France

P. Labasse

New products include: state-of-the-art compact mm-wave HPAs, VCOs, LNAs and complete chipset for VSAT applications, and for 24 GHz and 77 GHz automotive radars.

Amplifiers, Attenuators, Diodes/FETs/Transistors, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Oscillators, Phase Shifters, RFICs, Switches

Universal Microwave Corp. 528

Brooksville, FL

S. Revert, D. Lyle, C. Randolph

Ultra low noise SMT VCOs from 10 MHz to 6 GHz, miniature plug-n-play frequency synthesizers from 500 MHz to over 3 GHz, including custom SMT frequency sources based on customer requirements and applications. UMX series of VCOs feature ceramic resonant technology applicable for moderate BW DRO and YIG replacement.

Oscillators, Synthesizers

UTE Microwave Inc. 832

Asbury Park, NJ

L. Nilson, J. Gross, A. Owens

High power, low loss circulators and isolators for radar, TV, medical, communications applications. High power "drop-in" configurations from VHF to 3 GHz under 0.2 dB loss.

Isolators/Circulators

Valpey Fisher Corp. 1449

Hopkinton, MA

M. Ferrantino

Clock/PLL jitter attenuator for synchronous ethernet applications: the VFJA430 provides two

LVCOS outputs from 10 MHz to 200 MHz. Two select inputs allow the user to select 1 of 3 preset input frequencies from 8 kHz to 200 MHz or free-run mode. Jitter performance of < 0.2 ps (RMS OC-48). Valpey Fisher is a world-leading technology company specializing in low noise timing solutions. www.valpeyfisher.com.

Oscillators

Vector Fields Inc. 1850
Aurora, IL

D. Kanevsky, D. Perry, C. Riley, K. Ward, A. Michaelides

Vector Fields offers CONCERTO, the integrated software for RF and microwave design. The suite includes conforming FDTD, finite element, and moment method analysis options—all sharing an easy to use geometric modeler. Vector Fields is unique in offering the three main techniques in a single environment.

Software

Vectron International 1501
Hudson, NH

B. Holbrook

Vectron International is both a product manufacturer and a solutions provider, leading with our advanced packaging and established crystal and SAW technology. These innovations and capabilities reflect the trend towards higher frequencies, lower cost designs and unique integrated solutions. Our goal is to help you innovate, improve and grow your business.

Filters, Hybrids, Oscillators, SAW Devices

Verspecht-Teyssier-DeGroot s.a.s. 851
Brive-La-Gaillarde, France

J. Verspecht, J.P. Teyssier, F. De Groot

RF non linear measurement system conception and solutions for time domain characterization of microwave transistors.

Test and Manufacturing Equipment

VIDA Products Inc. 1451
Santa Rosa, CA

J. Dunseth, R. Parrott

VIDA designs and manufactures filters, oscillators and frequency synthesizers that offer compact size, low weight and minimal power consumption. Based on VIDA's patented technologies and proprietary IP, these products provide superior noise performance and tremendous vibration immunity, over multi-octave tuning ranges, for both the commercial and military sectors.

Filters, Oscillators, Synthesizers

Virginia Diodes Inc. 400
Charlottesville, VA

Virginia Diodes Inc. (VDI) designs and manufactures millimeter-wave and terahertz components and systems. VDI's products include detectors,

mixers, and frequency-multipliers, as well as integrated Tx, Rx sub-systems for reliable operation from 50 GHz to 2 THz. VDI components include in-house fabricated GaAs Schottky diodes and micro-electronic devices. Visit www.virginiadiodes.com.

Diodes/FETs/Transistors, Millimeter-wave Components, Systems/Subsystems

Vishay Intertechnology Inc. 1013
Malvern, PA

R. Müller, B. Cuviallo, J. Guenard, D. BenBasst, D. Alon

Vishay Intertechnology is one of the world's largest manufacturers of discrete semiconductors and passive electronic components. These components are used in virtually all types of electronic devices and equipment. Its product innovations, successful acquisition strategy, and ability to provide "one-stop-shop" service have made Vishay a global industry leader.

Attenuators, Diodes/FETs/Transistors, Hybrids, Optoelectronic Components/Fiber Optics, Oscillators, Resistors/Capacitors/Inductors, Waveguide/Waveguide Components

Voltronics Corp. 1515
Denville, NJ

D. Gallick

Voltronics Corporation offers a broad line of high reliability trimmer capacitors. Our trimmers include air, glass, sapphire and PTFE dielectrics. If you can't find the perfect part for your circuit, call us and we'll design it.

Resistors/Capacitors/Inductors

VTI Microwave 1748
Irvine, CA

G. Riley, K. Elliott

EX7000 Series. Industry's first modular microwave subsystems featuring an open-architecture Ethernet/LXI™ Class A platform that reduces development time and costs of building custom COTS-like RFUIs with its common hardware platform and communications interface. Powerful web-based software tools include a "Best in Class" supplier database, visual path-level configurator, relay odometer and auto-generating documentation without the need of programming knowledge.

Services, Systems/Subsystems, Test and Manufacturing Equipment

Vubiq Inc. 311
Aliso Viejo, CA

A. Button, M. Pettus

Vubiq has developed a complete 60 GHz integrated radio, packaged in a 10 mm DGA. These low cost integrated radios will enable the growth of a host of 60 GHz applications, including wireless, uncompressed HD video, wireless high speed LNAs and PANs, low cost radar, and many others.

Millimeter-wave Components, RFICs

- Weinschel Associates** 603
Gaithersburg, MD
F. Wodostawsky, D. Heft
 Weinschel Associates has a 40 year legacy as a supplier of high performance, high quality broadband passive components to the RF and microwave communities. Our product offerings include fixed attenuators, terminations, variable attenuators, DC blocks, power splitters/dividers, coaxial adapters and stub tuners. Let us help you with your custom requirement.
Attenuators, Connectors/Cable/Adapters, Filters, Power Dividers, Systems/Subsystems, Terminations, Test and Manufacturing Equipment
- Wenzel Associates Inc.** 2139
Austin, TX
B. Huckabay, P. Cole
 Wenzel Associates Inc. is a world leader in low phase noise crystal oscillators, synthesizers and frequency related modules. Since 1978 the company has defined the state-of-the-art in ultra-low phase noise and provided system manufacturers with the highest quality, cost-effective frequency components and instruments.
Amplifiers, Filters, Oscillators, Synthesizers, Systems/Subsystems
- Werlatone Inc.** 1648
Brewster, NY
P. Kuring, B. Werlau
 Since 1965. High power combiners, dividers, and directional couplers. Our multi-octave designs cover 10 kHz to 6 GHz at average power levels to 15 kW. Low loss 90° hybrid couplers cover up to 10:1 bandwidth. Patented directional coupler designs, provide 6–70 dB coupling, at up to 1000:1 bandwidth. Werlatone high power Mismatch Tolerant[®] in-phase and 180° combiners, provide up to 10:1 bandwidth. Unsurpassed quality plus on-time delivery is the Werlatone promise.
Couplers, Hybrids, Power Dividers
- West Bond Inc.** 817
Anaheim, CA
R. Straight
 Manufacturer of automatic, semiautomatic, and manual ESD protected micro-bonding equipment and accessories since 1966. Ultrasonic, insulated wire bonders and pull testers, LED illuminators, heated and cold workholders, temperature controllers, ultrasonic transducers, ultrasonic power supplies and wire despoolers. Visit www.westbond.com.
Test and Manufacturing Equipment
- Wiley-Blackwell** 1708
Hoboken, NJ
 Wiley-Blackwell was formed as a result of the acquisition of Blackwell Publishing by John Wiley & Sons Inc., and its merger with Wiley's scientific, technical and medical business. Wiley-Blackwell publishes approximately 1,400 scholarly peer-reviewed journals and an extensive collection of books with global appeal. For more information, please visit www.wiley.com/wiley-blackwell.
Publications
- WIN Semiconductor Corp.** 808
Tao Yuen Shien, Taiwan
S. Galley
 WIN Semiconductors is introducing a whole new world for GaAs IC designers. H2W is WIN's integration of GaAs GBT technology with enhancement and depletion mode PHEMT technology onto a single wafer. The process uses low K interlayer dielectrics, through wafer vias, 75 µm final substrate thickness, and up to 900 pF/mm² of stacked capacitor density, all enabling chip size reduction and high electrical and thermal performance.
MMICs, RFICs, Services
- Winton Machine Company** 307
Suwanee, GA
P. Reilly, G. Winton, B. Campbell, L. Winton, B. Curtis
 Winton Machine designs and manufactures auto feed and cut SAWS, CNC benders and angle measuring devices for semi-rigid coax cable.
Connectors/Cable/Adapters, SAW Devices, Test and Manufacturing Equipment, Tubes
- WIPL-D d.o.o.** 853
Belgrade, Serbia
 WIPL-D is a specialist company dedicated to providing state of the art software for 3D EM and circuit simulation for over a decade. WIPL-D software has been a reliable partner to researchers and designers in industry and academia.
Software
- Wireless Design & Development** 2136
Rockaway, NJ
N. Pinto, N. Maas
Wireless Design & Development is a portfolio of publications, supplements and e-products, which offer articles, products, news and technology in all sectors of wireless, covering all frequencies. WDD is "wider wireless" covering emerging technologies across a broad range of industries. WDD offers its core monthly publication, the WDD Design Network, multiple E-Newsletters, and a comprehensive website at www.wirelessdesignmag.com. WDD is an Advantage Business Media publication.
Publications
- XMA Corp.** 218
Manchester, NH
D. Crocker
 Powering the rebirth of the legendary Omni Spectra product line, XMA Corporation is changing the RF and microwave landscape. Offering superior

performance and dynamic customer support, XMA will continue the proud legacy of Omni Spectra products into the future.

Attenuators, Connectors/Cable/Adapters, Couplers, Power Dividers, Signal Processing Components, Terminations

YanTat Group 2228
Hong Kong, China

D. Ho

YanTat Group specializes in the manufacture and supply of printed circuit boards to the global electronics industry. It has successfully grown into a professional organization that offers a wide range, one-stop service of products including double-sided and multi-layer PCBs on standard and exotic laminates.

Printed Circuit Boards

Yantel Corp. 745
Shen Zhen, Guang Dong, China

B. Yan, M. He

RF passive products with US patents. Temperature compensation attenuator: frequency DC to 6 GHz, attenuation 1 to 10 dB, small footprint, SMD or SMA, zero distortion, totally passive. Variable attenuator: attenuation can be varied continuously or by step, frequency DC to 10 GHz, attenuation 3 to 60 dB, SMD, SMA/N type, small size, competitive cost and low reflectance.

Amplifiers, Antennas/Radomes, Attenuators, Couplers, Oscillators, Resistors/Capacitors/Inductors

Yixin Microwave Electronics Co. Ltd 401
Quanzhou, Fujian, China

W. Fu, Y Wu, X. Zheng, J. Ye

Yixin Microwave Electronics Co. Ltd. is dedicated to the manufacturing and development of microwave and RF components. We mainly offer passive RF components—high Q capacitor, etc. We also provide designs depending on customer's demand. We supply high-quality products with pro-

fessional service at a competitive price. (High power resistor, RF isolator and circulator.)

Attenuators, Isolators/Circulators, Resistors/Capacitors/Inductors, Terminations

Z-Communications Inc. 1908
San Diego, CA

C. Downey, A. Saini, S. Sarfaraz, B. Zeiser, M. Sridharan

Z-Communications Inc. manufactures narrowband to wideband VCO and PLL products ranging from 40 MHz to 10 GHz. Integer-N, fractional-N and single frequency (pre-programmed) PLLs available. The Z-Comm Microwave division designs and manufactures microwave/millimeter wave multi-function assemblies for wireless backhaul applications and highly linear HPAs for cellular base station applications. Call/contact 858-621-2700 or sales@zcomm.com.

Amplifiers, Millimeter-wave Components, Oscillators, Signal Processing Components, Synthesizers, Systems/Subsystems

Zeland Software Inc. 1622
Fremont, CA

J. Zheng

Zeland offers high performance full-wave EM design tools for MMIC, RFIC, RFID, antennas, signal and power integrity, RF MEMS, SoP, SiP and other high frequency applications. Our IE3D EM Design System V14 features integrated design environment and further improved high performance full-wave engine.

Antennas/Radomes, Filters, MMICs, Printed Circuit Boards, RFICs, Software

ZIFOR Enterprise Co. Ltd. 712
Tainan, Taiwan

I. Chen

Zifor is an expert in manufacturing RF coaxial connectors and cable assemblies. Our expertise is in SSMA, SSMB, mini BNC, FAKRA, MMCX, MCX, SMA, SMB, SMC, 1.0/2.3, 1.6/5.6, reverse polarity series. See details at www.zifor.com.

Connectors/Cable/Adapters