

RF / mmWave Solutions

CERNEX, Inc. **CernexWave**

www.cernex.com
www.cernexwave.com

- ◆ Attenuators, switches, limiters, detectors, mixers
- ◆ Oscillators & noise sources, phase shifters
- ◆ Ferrites —isolators & circulators
- ◆ Antenna products



www.microtech-inc.com

- ◆ Waveguide Assemblies—Flexible and Rigid for Military, Aerospace and commercial applications
- ◆ Couplers, Rotary Joints, Terminations, and Components

EA EXODUS ADVANCED COMMUNICATIONS

www.exoduscomm.com

- ◆ SSPA products feature LDMOS, GaN, GaAsFET discrete and Chip & Wire Hybrid technologies up to 50GHz
- ◆ Medium Power and Low Noise Amplifiers feature GaAsFET, GaN, and Chip & Wire technologies up to 51GHz

RS MICROWAVE COMPANY, INC.

www.rsmicro.com

- ◆ High quality RF and MW filters—1 MHz to 50 GHz Military and Commercial Comms, Radar, ECM, and Cellular
- ◆ Filters with wide passbands and stopbands (1-4 GHz passband, stopband to 20 GHz, 1KW operation)
- ◆ Unique products: In-line bandpass filters with finite transmission zeroes, reduced size & wide band high power filters

KVG

Quartz Crystal Technology GmbH

www.kvg-gmbh.de/en

- ◆ Ultra-Low Phase Noise, Low-G Sensitivity, High Stability
- ◆ Precision Crystal Oscillators, OCXO, TCXO, VCXO, XO
- ◆ Frequency Modules and Custom Designs
- ◆ Crystal Filters and Precision Quartz Crystals

T TIMES MICROWAVE SYSTEMS An Amphenol Company

www.timesmicrowave.com

- ◆ PhaseTrack assemblies – Phase critical - TF4 and SiO2 dielectric
- ◆ Miltech assemblies – rugged, low-loss 40 GHz, vapor-sealed, braided Nomex outer jacket with high density interconnect options
- ◆ Radiation Resistant, Light-weight low out-gassing assemblies to 40 GHz for Spaceflight and Ground test
- ◆ T&M - Silverline, up to 110 GHz (VNA), phase and loss stable, Clarity Series provides industry-leading performance up to 67 GHz

LARK RF TECHNOLOGY

a Benchmark company

www.bench.com/lark

- ◆ Single Function (SFA) - Filters/ Multiplexers, Switches, Switch Filters, Filter Amplifiers, Power Amplifiers
- ◆ Integrated Microwave (IMA) - Up/Down Converters, RCVRs and XCVRs (UHF to W-Band), T/R Modules
- ◆ Multi-Function (MFA) - LRU's, SRA's
- ◆ High Speed Circuit and Substrate Design and Fab (LCP)

Cheryl Celebi

Managing Partner / Sales Engineer

Maryland and Virginia

443-493-1823 cell

cherylc@eoxsales.com

Optical Solutions



COTSWORKS
www.cotsworks.com

- ◆ Optical transceivers at 1-28 Gbps
- ◆ Interconnect platform of rugged terminations and MIL connectors for custom cable builds
- ◆ Avionics-focused optical & networking test equipment
- ◆ High performance rugged custom optical subassemblies & packaging



ORTEL
A Photonics Foundries Enterprise
www.ortel.com

- ◆ Microwave Transmitters, Receivers, Lasers and Photodiodes
- ◆ Fiber Optic Delay Lines and RF Fiber Optic Links up to 60 GHz
- ◆ Micro Erbium Doped Fiber Amplifiers (EDFA)

Test and Measurement Solutions



www.corelis.com

- ◆ Software tools using 1149.1 (JTAG) for PCB functional testing, debugging, and in-system programming of Flash memory, CPLDs, and FPGAs
- ◆ Device Anti-counterfeiting software
- ◆ Serial bus analyzer and exerciser products (SPI, I2C, etc)



www.focus-microwaves.com

- ◆ Wideband fundamental and Harmonic Load Pull Tuners
- ◆ Pulsed IV/RF Characterization System delivers unparalleled performance
- ◆ Wideband noise parameters extraction
- ◆ Behavioral Modeling



www.formfactor.com

- ◆ 150, 200 and 300mm Manual, Semi-Auto, and Full-Auto
- ◆ DC and RF (up to THz) Probing
- ◆ Vacuum and Cryo Probe Stations
- ◆ Power Systems, up to 10kV

Electromechanical / System Solutions



**Advanced
Conversion
Technology**

ACT Now for Superior Power

www.actpower.com

- ◆ AC-DC, COTS, DC-DC Power Supplies
- ◆ MILITARY Grade Aerospace (MIL-STD-704), Shipboard (1399), Ground (1275), Comms, 810, 461 and MIL-S-901
- ◆ Up to 35,000 VDC; Single/3 phase power factor conversion—power factor 0.99 and THD of <3%



www.cicoil.com

- ◆ Leader in Flat Cable Technology, custom manufacturer of extruded FlexxSil™ cables for ultra-high flex & extreme environments & temperature
- ◆ Flexible flat cables and assemblies for high performance motion, aerospace, military, medical and semiconductor manufacturing applications.
- ◆ Capable of millions of flex cycles.



www.microtech-inc.com

- ◆ Waveguide Assemblies—Flexible and Rigid for Military, Aerospace and commercial applications
- ◆ Couplers, Rotary Joints, Terminations, and Components

- ◆ General purpose processing, I/O processing (including FPGA-based) cards
- ◆ Technology building blocks for computing infrastructure and payload processing requirements
- ◆ Form Factors—MicroTCA/AMC, VPX, PCI Express, FMC/XMD



nat-us.com



www.pixustechnologies.com

- ◆ Rackmount & Rugged Systems
- ◆ OpenVPX, 3U-6U chassis, boards, backplanes and accessories
- ◆ High-speed architecture backplane and board profiles per VITA 65 (VITA 65.0 & 65.1) Extension to VITA 46 to ensure compatibility

Cheryl Celebi

Managing Partner / Sales Engineer

Maryland and Virginia

443-493-1823 cell

cherylc@eoxsales.com