



## SCIENTIFIC DEVICES – Phila., Inc.

Manufacturers Representatives

Serving Pa, NJ, & Del since 1969

*Your complete source for RF, Microwave,  
Power Sources & Control, High Power/High Voltage,  
Interface Solutions / Connectors, & Test Fixtures / Contacts  
components and systems for:*

*Military, Medical, Space Qualified, Avionics-Aerospace, Commercial / Industrial,  
Telecom - Wireless, Broadcast, Fiber Optic, and Test and Measurement*



MICROWAVE PRODUCTS DIVISION  
HI-PERFORMANCE MICROWAVE CONNECTORS



### SCIENTIFIC DEVICES

Tel : 215-256-8641 Fax : 215-256-8642

[www.SciDev-Phila.com](http://www.SciDev-Phila.com)

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6/1/2017



## RF , Microwave , & Millimeterwave



Communications & Power Industries  
communications & medical products division

**CPI** ([www.cpii.com/cmp](http://www.cpii.com/cmp))

*Mil-Spec, & Commercial*

- \*Instrumentation style TWT Amplifiers
- \*Solid State Amplifiers, LNA's, High Power, Custom



**DUCOMMUN** ([www.ducommun.com](http://www.ducommun.com))

*Space Qual, Mil-Spec, & Commercial - Made in the USA*

- \*Specialist in RF / Microwave & Millimeterwave products to 110 GHz
- \*RF / Microwave; Electro-Mechanical Switches- SPDT, Multithrow, Transfer, Hi-Power & Switch Matrices
- \*Millimeterwave; Amplifiers, Pin Diode Switches, Oscillators, Frequency Converters, Antennas, Ferrites
- \*Waveguide - Passive Components, Couplers, Filters, Diplexers, Adaptors, Assemblies
- \*Sub-systems, Simulators, Sensors, Test Sets



**MtronPTI** ([www.mtronpti.com](http://www.mtronpti.com))

*Space Qualified, Mil-Spec, & Commercial - Made in the USA*

*\*Frequency Control, Filter Products, and Amplifiers including:*

**\*Frequency Sources and Control:**

- \* Frequency references: TCXO's, OCXO's
- \* Low jitter, high performance VCXO's & XO's
- \* Standard Clock Oscillators, & Crystals (resonators)
- \* Modular Timing Solutions/ GPS based Disciplined Oscillator solutions
- \* Very Low Jitter and Low Phase Noise VCXO in small SMT package
- \* TCXO for Synchronous Ethernet
- \* "Smart" OCXO with EEPROM for Reference Timing

**\* Filters:**

- \*LC, SAW, Ceramic, Crystal, Microwave, & Custom Solutions
- \*Switched Filter Bank Assemblies

**NEW\*\*-----** \* Digitally Tunable Filters – standard & custom

**NEW\*\*-----** \* Filters up to 86 GHz

**\* Amplifiers:**

**NEW\*\*-----** \* SSPA's; 250 Khz-40GHz, 1W-10KW



**MICROWAVE TECHNOLOGY** ([www.mwtinc.com](http://www.mwtinc.com))

*Space Qual, Mil-Spec, & Commercial - Made in the USA*

- \*Discrete Semiconductors (chips & packaged); GaAs FETs , PHEMPTs, MESFETS, & Gunn Diodes
- \*Amplifiers, LNAs, Broadband, Limiting Amps, Phase and Gain Matched Amps
- \*Broadband Hybrid Modules, MMIC's, High Linearity GaN Amps
- \*Custom Thin Film Circuits



MICROWAVE PRODUCTS DIVISION  
**HI-PERFORMANCE MICROWAVE CONNECTORS**

**Southwest Microwave** ([mpd.southwestmicrowave.com](http://mpd.southwestmicrowave.com))

*\*Space-Qual, Mil-Spec, Medical, & Commercial*

*(complete qualifications including, ISO 9100, ROHS, REACH, and others as applicable)*

*Made in the USA – since 1981*

- \* **Custom** & Standard RF/Microwave Coaxial Connectors to 110 GHz
  - High Performance with Ultra-Low Insertion Loss, VSWR, and RF Leakage
- \* .9mm, 1.0mm, 1.85mm, 2.4mm, 2.92mm, 3.5mm, 7mm, N, SC, SMA, SSMA, SMP, TNC, MCX, MMCX, & other series
- \* Board mount ( SMT, Through-hole, Edge connect, etc. )
- \* Chassis Mount (Flange, Panel, Bulkhead, etc.)
- \* Cable Connectors
- \* SuperMini Board –to-Board
- \* SMKey; High-Security Keyed Coax Connectors
- \* SSBP; Push-On Contacts, Multi-Contact & Custom Array's
- \* In-Series & Between Series Adaptors
- \* Launch Accessories including;
  - Hermetic Transitions to Microstrip & Launch Pin/Tab Transitions to Stripline and Microstrip
- \* Installation and other Tools
  
- \* Multiple Connector Integrated Assemblies



**PASSIVE PLUS INC** ([www.passiveplus.com](http://www.passiveplus.com))

*Space Qual, Mil-Spec, Medical, & Commercial - Made in the USA*

**\*Capacitors**

*Hi-Q / Low ESR  
Broadband  
Single Layer  
General Purpose (EIA)  
Commercial High Voltage  
Custom Assemblies*

**\*Trimmer Capacitors**

*Low Profile, SMT*

**\*Non-Magnetic Resistors**



**SYNERGY MICROWAVE CORP** ([www.synergymwave.com](http://www.synergymwave.com))

*Mil-Spec, & Commercial - Made in the USA*

- \* VCO's, OCXO's, PLO's, & Synthesizers  
Ultra broadband, Ultra-low phase noise, high frequency, very small size*
- \* Frequency Doublers*
- \*Mixers, Power Dividers, Hybrids, DC Blocks, Bias Tees*
- \*Directional Couplers, Attenuators, Switches*
- \*Modulators & Demodulators*
- \*Filters, Transformers, Monolithic Amps*
- \*Phase Shifters, Detectors, & Comparators*
- \*Monolithic Amplifiers*
- \*High Power products*
- \*Test Fixtures and Eval Boards*



## General / High Performance Electronic and Electro-Mechanical



### EVERETT CHARLES TECHNOLOGIES ([www.ectinfo.com](http://www.ectinfo.com))

*\*The “original POGO-PIN” manufacturer and owners of the ECT, Ostby Barton, and Pylon trade names - Made in the USA*

#### \* Spring Contact Specialists and Innovators in Probe Technology and Interface Solutions

- \* Standard & Custom Contacts / Interface Solutions ;  
– including; Blind Mate, Board to Board, & Turnkey Multi-Contact Assemblies*
- \* “Flat” Compliant Contacts*
- \* RF & Microwave contact solutions*
- \* Semiconductor & MicroSeries Probes*
- \* Battery Contacts, High Current Probes, Switch Probes, Thermocouple Probes, Kelvin Probes*
- \* Spring Contact Probes for Test – Loaded Board & Bare Board*

#### *\*\*\* Custom Compliant Connector / and Modular Mating Solutions*

#### \* Fixturing, Fixture Kits, PC Board Marking Systems

- \* Standard and Custom Test Fixtures for PC Boards and Custom UUT Requirements*
- \* Turnkey Fixture & Programming Services for In-Circuit and Functional Test*
- \* Economical “Testability” Analysis Services*
- \* Test System Receivers and Receiver Interface Blocks*
- \* Universal Grid and ultra-high density, fine pitch probing*

#### \* Test Equipment

- \* Loaded Board Test Systems*



### MICROPAC INDUSTRIES ([www.micropac.com](http://www.micropac.com))

*Mil Spec – Space Qual. (& Nuclear Radiation-Tolerant) – Medical & Commercial/Industrial  
ITAR and classified approved*

*Made in the USA since 1963*

- \*Custom Hybrid Circuits ( incl. Hi-Rel, Space & Radiation tolerant )*
- \*Dc/Dc Converters & Point of Load Regulators*
- \*High Speed / High Voltage Opto-Isolators & Opto-Couplers*
- \*Fiber Optic Transceivers*
- \*Isolated Output Solid State Power Controllers & Relays*
- \*Power Controllers, Heaters, Solid State Relays*
- \*Hall Effect Devices*
- \*Optocouplers, Emitters/Detectors, & Sensors*
- \*Visible Range LED's & Displays*
- \*Application Specific Electronics Packaging Solutions*
- \*DMS & Parts Obsolescence Solutions*

**NEW....** *\* IPC ; Industrial Power Controllers (standard and custom / configurable packages available)*



**NetPower Corp** ([www.netpowercorp.com](http://www.netpowercorp.com))

*Mil-Spec & Commercial - Made in the USA*

*Power Conversion Solutions;*

- \* Standard and Custom DC / DC Converters
- \* Isolated and Non-Isolated brick versions
- \* Hi-Power Densities
- \* Extreme range of Input and Output Powers
- \* Broad range of Package including Industry Standard Footprints
- \* Board Mounted modules
- \* Industry Best Thermal Performance
- \* High Efficiencies
- \* Custom Solutions including AC inputs



**SOLID STATE DEVICES, INC** ([www.ssdi-power.com](http://www.ssdi-power.com))

*Space Qualified, Mil-Spec, & Commercial - Made in the USA*

*Global Supplier of High Power and High Voltage Semiconductors and Electronic Systems*

- \* Zeners & TVS's
- \* Specialty Devices
- \* Rectifiers, Power & High Voltage Schottky's, Bridges, Thyristors, Transistors
- \* IC & Voltage Regulators, Power Modules, High Voltage Modules & Assemblies
- \* High Voltage Power Supplies, Voltage Multipliers
- \* MosFET's & IGBT's
- \* DMS & Parts Obsolescence Solution Providers



**VIKING TECH CORPORATION** ([www.vikingamerica.com](http://www.vikingamerica.com))

*Commercial/Industrial, Medical, & Automotive Grade*

*Passive Components including;*

- \* Resistors; Thin & Thick Film, Low Ohm, Current Sense, Pulse, Anti-Sulfurated, MELF/Carbon, Power, Leaded,
- \* Resistor Arrays
- \* Inductors; Thin Film, Wire Wound, Multilayer, Molded Chip, Power, Shielded Power, Dip Power, Chip Beads
- \* Multilayer Ceramic Capacitors
- \* Metallized Ceramic Substrates
- \* Thin Film Common Mode Filters

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