



UNITED ELECTRONICS COMPANY

www.uec-corp.com
jamesmurray@uec-corp.com
johnleforge@uec-corp.com

- United Electronics Company, Advanced Electronics Division, operating as UEC, consists of four complementary businesses that service the Aerospace and Defense, Commercial, Medical, and Industrial markets.
- UEC Advanced Electronics Division's Capabilities:
 - Engineering Design, Development & Product Realization
 - Mobile Power Management Solutions
 - Intelligent Battery Systems / Gen3 6T Lithium-Ion Battery Design, Development & Manufacturing
 - Life Cycle Management, Repair & Refurbishment, and Design/Re-Design Engineering Services
 - Custom Integrated Microwave Components & Assemblies (Space-level components)
 - High-End Contract Manufacturing Services



- UEC Advanced Electronics, located in Charleston, SC, is an engineering design, and product development contract manufacturing services company.
- UEC Signal Technologies, located in Fair Lawn, NJ, specializes in engineering solutions with non-standard issues associated with RF-Microwave & analog product development, life cycle management, design & redesign solutions, and manufacturing services.
- UEC RF-Microwave, located in Sacramento, CA, & Reno NV, is a provider of custom RF components and integrated microwave assemblies.
- UEC Advanced Circuit Technologies, located in Rochester, NY, is a full-service electronic manufacturing company providing circuit card assemblies, modules, and box assemblies.



UNITED ELECTRONICS COMPANY

www.uec-corp.com
jamesmurray@uec-corp.com
johnleforge@uec-corp.com

UEC ADVANCED ELECTRONICS

UEC ADVANCED CIRCUIT TECHNOLOGIES

UEC RF MICROWAVE

UEC SIGNAL TECHNOLOGIES

- **Engineering Design & Product Realization Services**
 - Power management
 - Power conversion AC/DC, AC/AC, bi - & uni-directional
 - Energy storage
- **Military Batteries, Vehicles & Tactical Devices**
 - Gen 3 6T Li-ion batteries
 - 12V, 24V, 38V, batteries (manned & autonomous vehicles)
- **Contract Manufacturing Services**
 - Complex cable and wire harness assemblies
 - Complex electromechanical assemblies
 - AS9100D & ISO9001:2015

- **Contract Manufacturing Services**
 - SMT, circuit card assemblies
 - Box, module, systems integration
- **Test Solutions**
 - Environmental test
 - Functional test
 - Flying probe
- **Microelectronics**
 - 10K cleanroom
 - Thick-film hybrid manufacturing & testing
- **Engineering & Manufacturing Solutions**
- **Conformal Coating**
 - Parylene
 - Acrylic
 - Urethane
 - Silicone
- **AS9100D & ISO 9001:2015**

- **RF Components & Microwave Solutions.**
- **15 Years' Space Heritage**
 - Amplifiers
 - Frequency Converters
 - MIL-PRF-38534
- **Product Offerings**
 - Amplifiers
 - Detector Log Video Amplifier
 - Frequency Converters
 - Integrated Microwave Assemblies (IMAs)
 - Antenna Systems
 - TWT Driver Amps
 - Log Video Amplifiers
- **Design & Analysis**
- **Manufacturing**
 - Rapid prototyping
 - Environmental testing
 - X-Ray
 - AOI
- **Hybrid Assemblies**
- **Screening**
- **Test & Alignment**

- **Engineering solutions for Non-Standard RF Microwave & Analog Product Development**
 - Surface Mount Solutions
 - RF Power Amplifiers 100MHz - 18GHz.
 - GaN, GaAs, LDMOS, MMIC
 - Custom LNAs 500MHz - 20GHz
 - Broadband Amplifiers 100MHz-20GHz
 - Custom Frequency Synthesizers 400MHz-10GHz
 - Up/Down converters 70MHz-18GHz
- **Product Life-Cycle Support Services**
 - Manufacturing, reverse engineering, & component-level repair service.
- **Engineering, Manufacturing, Design, & Redesign Services**

