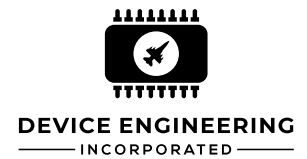
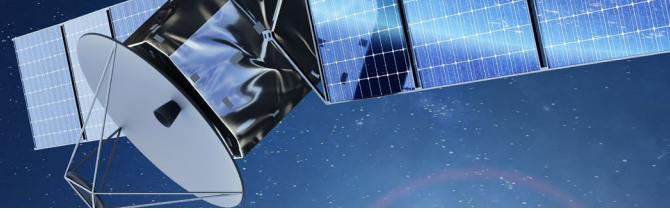




## MANUFACTURER LINE CARD





Apogee Semiconductor delivers radiation resilient logic and interface devices for space and extreme environments, including IO expanders, logic functions, level translators, transceivers, buffers, and flip flops.



Next-gen high density, radiation tolerant, Spin Transfer Torque Magnetic RAM (STT-MRAM) based NVM products for storing MCP and FPGA boot code and configuration data.



DEI, is an employee-owned, ASIC design company, ARINC 429 product manufacturer, and fabless semiconductor manufacturer, supplying a broad portfolio of standard products targeted primarily toward avionics. Offerings include transceivers, line receivers & line drivers for Arinc 429, Mil-Std1553 and other communications protocols; Discrete-to-Digital Converters plus a choice selection of general-purpose components.



Supplier of products and services to Military/Space/Harsh environment markets. Memory products built to SMD V,Q and N levels. Also SCDs off the shelf or built within 14 weeks. Services include test, screening, qualification and analysis. MCM, Hybrids and special packaging.



Solid-state storage solutions for the industrial embedded marketplace. High performance and extreme data storage for military, medical and high reliability markets to include SSDs, compact flash, SD, USB and PC card applications.



Solid-state storage and memory solutions for the mil/aero and space markets. Secure, self-encrypting mil-grade solid-state drives offer AES 256 encryption, key purge, MIL sanitization, non-thermal self-destruct features and FIPS 197, 140-2 and CSfC certifications. Available in Mission Pak, XMC, VPX, 2.5", mSATA and BGA form factors with SATA, NVME, SRIO and PCIe interfaces. Mercury MMIC High reliability amplifiers, attenuators and filters splitters. Couplers and switches.



FPGAs, Microprocessors, Programmable Logic, Embedded Micro Controllers, Clock, Timing & Synchronization (incl. atomic clocks, GNSSDO), Communication Interfaces (MIL-STD-1553, ARINC, Space Wire, Ethernet PHY), Mixed-Signal ICs (ADCs, DACs, telemetry), DC-DC converters & power controllers (explicitly), ASICs / Custom ICs, Touch / HMI controllers, Space system managers & motor drivers, Opto-electronics, RF products, Voltage suppressors, IGBTs, MOSFETs, power modules, Rectifiers and Zener Diodes, Power Circuits, Backlight Inverters, PWMs, Voltage regulators, Low Drop Out Regulators, Relays, Pressure Sensors, Op Amps, Thyristors, and Small Signal and Power Transistors. Hermetic Packaged Devices. SMD drawings, MIL-M-38510, MIL-PRF-19500, MIL-PRF-83536 and MIL-PRF-6106 Products.



Power Discretes including Half Wave Discrete Rectifiers, Half Wave High Current Assemblies, Single Phase Full Wave Bridge Assemblies, Three Phase Full Wave Bridge, Center Tap and Doubler Assemblies, Half Wave High Voltage Assemblies, Single Phase Center Tap and Doubler Assemblies, TVS Rectifiers & High Voltage Capacitors. Semtech also offers Power Management, Protection, Advanced Communication, Test & Measurement and Wireless Sensing products.



High-reliability semiconductors and services that conform to the exacting quality levels of MIL-PRF-19500. Offers the largest selection of small signal, RF small signal and power transistors for demanding military, space and high-reliability industrial applications.



Industrial-Grade and Industrial-Temp SLC Flash SSDs including embedded USB (eUSB), embedded SATA (iSATA and uSATA) and mini-IDE drive form factors equipped with SATA, USB, PCIe and PATA interfaces; Compact Flash (CF), PC Card and Key Drive form factor flash products utilizing ATA, Linear, IDE, and USB technologies; DDR, DDR2, DDR3 and PC133 DRAM Memory Modules.



SMD Linear Hybrids, Diode Drivers (Microwave), Solid State Relays, QML Obsolescence Solutions Sipex military hybrid product line, Hycomp Mixed Signal Analog Circuits (D-A & A-D Converters), Resistor Networks, SMD Qualified Products. Marlborough Division Products Only.



**TT Electronics:** TT Electronics delivers engineered electronic solutions for performance critical applications, offering precision sensors, passive and interconnect components, rugged power conversion, RF semiconductors, optoelectronics, and electronics assemblies.  
**Optek Technology:** Discrete sensors, Opto Transmitters / Receivers / Coupling, Infra-Red Emitters, Fiber Optic devices, HI-REL.  
**Semelab:** Power Supply Control Circuits, PWMs, DC/DC Converters, Motor Control ICs, Transistors, Regulators, Mil Qualified.



Obsolescence solutions, SMD qualified products, Silicon Power Transistors and Industrial devices for the Military and Aerospace markets.