

# Military

## EMBEDDED SYSTEMS

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### Editor's Choice Products



#### Voltage Supervisor monitors power supplies in hi-rel space apps

Engineers at Aeroflex Colorado Springs developed a new device designed to manage power supplies in components such as DSPs, FPGAs, ASICs, and microprocessors. The Voltage Supervisor family, which has four products, enables users to reduce circuit quantity and complexity for the monitoring and sequencing power supplies in systems that use these components in High Reliability (HiRel) environments such as space. The Voltage Supervisor has a single-chip solution for power supply monitoring and sequencing of the UT699 LEON 3FT Microprocessor.

Aeroflex's UT04VS33P and UT04VS50P four-channel Voltage Supervisors can monitor and sequence as many as four different voltage supplies, thereby improving system reliability and accuracy. They can monitor a single supply or be combined with other four-channel or single-channel devices to monitor multiple numbers of supplies, enabling

design flexibility in power supply monitoring solutions. Each Voltage Supervisor has 3.3 V and 5 V supplies over the full military temperature range of -55 °C to +125 °C, 300 kilorads (Si), and are Single Event Latch-up (SEL) immune to >110 MeV-cm<sup>2</sup>/mg.

**Aeroflex Colorado Springs | [www.aeroflex.com/VoltSupv](http://www.aeroflex.com/VoltSupv) | [www/mil-embedded.com/p369098](http://www/mil-embedded.com/p369098)**



[www.aeroflex.com/MEBuyers](http://www.aeroflex.com/MEBuyers)

#### Aeroflex Microelectronic Solutions

Digital, Analog, Power, RFMW, and Motion Solutions for HiRel Applications

#### Serving worldwide customers with HiRel standard products:

- LEON 3FT IP and  $\mu$ Processors
- Memories, SpaceWire
- LVDS, Logic, FPGAs
- A-to-D Converters
- JANS Diodes
- Op Amps, Comparators
- Muxes
- Voltage Regulators/Supervisors

#### Aeroflex custom ASICs –

90 and 130nHBD, 0.25 and 0.6 $\mu$ m technologies and FPGA to ASIC Conversions

#### Electronic Manufacturing Services:

- Circuit Card Assembly
- Radiation Testing
- Custom Hybrid, Module and MCM Services



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