

OMNETICS



High-reliability micro and nano connectors; essential for ensuring reliable connections in the communication systems, instrumentation, and control systems of spacecraft.

Usage

Omnetics is used in space applications for its high-reliability micro and nano connectors essential for communication systems, instrumentation, and control systems in spacecraft.

Unique Features

Miniaturization: Offers extremely small and lightweight connectors, and high-density connections, designed to endure the harsh conditions of space, including extreme temperatures and radiation. Also, provides custom connectors and harnessing solutions, and high resistance to vibration and shock.







IEH



High-density, high-reliability connectors, customizable interconnect solutions, robust performance under extreme conditions, and innovative Hyperboloid contact technology for superior connectivity.

Usage

High-reliability interconnect solutions for tactical equipment.

Unique Features

Hyperboloid contact technology, high durability, and superior performance in critical applications.







GREENRAY



Precision crystal oscillators with low jitter, high-frequency stability, space-qualified designs, low power consumption with high performance, and radiation tolerance for space.

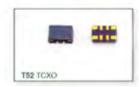
Usage

Timing solutions for space systems.

Unique Features

Low phase noise, high reliability, and precision timing solutions. Radiation tolerant up to 300kRad (Si), wide operating temperature range.







SYNQOR



SynQor's power supplies and converters ensure reliable and efficient power management in harsh space environments and satisfy low outgassing and wide working temperature requirements in space.

Usage

SynQor is used in space applications to provide efficient and reliable power conversion solutions for satellites, space stations, and exploration vehicles.

Unique Features

High efficiency, high power density, compact size, low weight, rugged design, wide input range. Fully sealed package to satisfy the low outgassing requirements, and wide operating temperature ranges.







STATEK



High-reliability quartz crystal oscillators, wide frequency range, and low phase noise, radiation-hardened and space-qualified options, excellent stability under extreme environmental conditions.

Usage

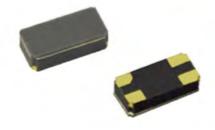
Frequency control in communication and navigation systems.

Unique Features

High stability, miniature size, and resistance to extreme temperatures and vibrations. Radiation tolerant models available.









MTRON



Custom filter and resonator solutions, high performance in demanding RF applications, miniaturized components with high reliability, and broad temperature range stability.

Usage

Signal filtering and frequency management in communication equipment.

Unique Features

Customizable filter solutions, high performance in demanding applications.







MARKI MICROWAVE



Supports multiple form factors including die, surface mount, and connectorized solutions for the entire RF block diagram from DC to sub-THz frequencies.

Usaae

Capabilities covers space applications, supporting die, surface mount, connectorized, and waveguide products. Utilized in GEO and LEO applications.

Unique Features

MMIC Mixers and Broadband Baluns. High-performance RF solutions for the most demanding applications.







SEPTENTRIO



Septentrio sensors offer centimeter-level accuracy, robustness against interference, and excellent reliability, making them ideal for precise navigation and positioning tasks in varied operational conditions.

Usage

Septentrio GNSS receivers provide precise positioning and timing for Low Earth Orbit satellites. They maintain reliable multi-constellation, multi-frequency tracking even at high orbital velocities. This ensures the accuracy needed for demanding space operations.

Unique Features

Septentrio GNSS receivers combine multi-constellation, multi-frequency tracking with advanced AIM+ technology to ensure accuracy and protection against jamming or spoofing. LOCK+ tracking stability and RAIM+ integrity monitoring deliver reliable performance under high dynamics and in challenging signal conditions. Their compact, low-power design makes them ideal for the constrained environments of space applications.







SAFRAN SENSING TECHNOLOGIES NORWAY AS

Focused on high precision tactical grade MEMS Based gyroscopes and IMUs.

Usage



Satellites, rockets, unmanned aerial vehicles, robotic systems, mapping equipment, and tunnel boring machines operating in challenging environments.

Unique Features

ITAR Free, Hermetically Package Options, Qualified for more than 20 years of product life expectancy, ARM microcontroller provides flexibility in the configuration, like choice of output unit, sampling frequency, LP filter -3dB frequency and RS422 bit-rate and protocol parameters.







NANOMOTION



High precision motion, ultra-small form factor, quiet operation with low power consumption, direct drive technology for smooth motion.

Usage

Precision motion control in space applications.

Unique Features

High resolution, ultra-low speed, and compact design suitable for space applications.







NETZER



Patented capacitive electric sensing technology, continuous holistic 360° position sensing, absolute position measurement, high resolution and accuracy, robust performance in harsh environments, compact, low profile, and lightweight design.

Usage

Position feedback in space systems.

Unique Features

Absolute position sensing, high accuracy, and robust performance in harsh environments.







LIN ENGINEERING



Hybrid stepper motors, BLDC motors, gearboxes, frameless motors, linear actuators, micro DC motors, drive wheels for space applications.

Usage

Commonly used in aerospace, robotics, medical devices, automation systems, tracking systems, satallites and other precision industrial equipment.

Unique Features

Lin Engineering products are designed for high performance, low power consumption, low noise, low vibration, high accuracy & long life.





























Build Smarter, Build Faster: **Electronics for the New Era of Space Exploration**



POLAND

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