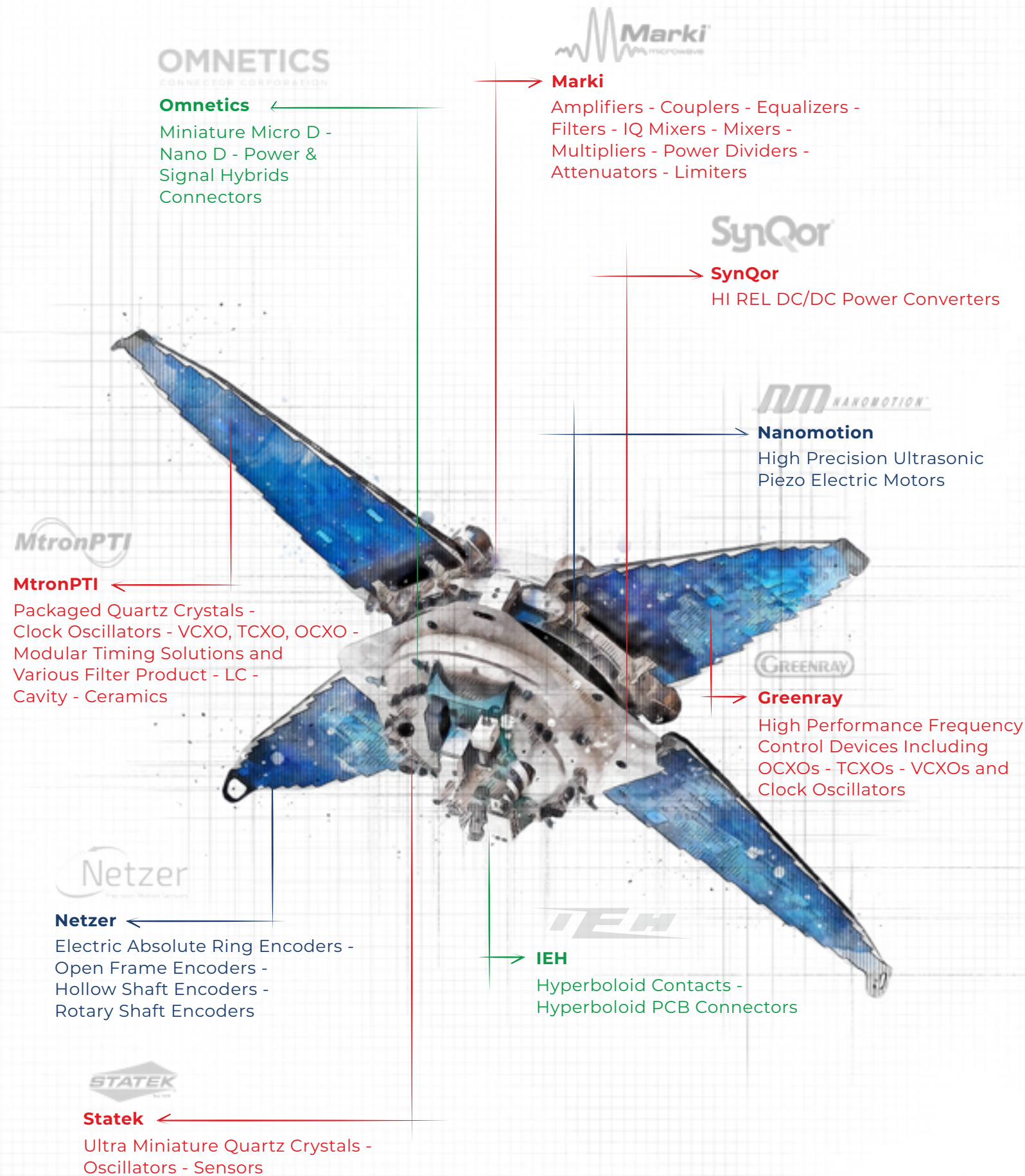


Build Smarter,
Build Faster:
**Electronics for
the New Era of
Space
Exploration**

electronics ■ mechanics ■ interconnect

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OMNETICS



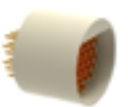
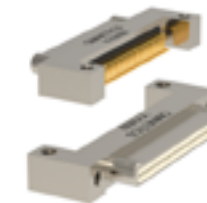
Omnetics is utilized in space applications primarily for its high-reliability micro and nano connectors. These connectors are essential for ensuring reliable connections in the communication systems, instrumentation, and control systems of spacecraft.

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, ensuring stable and reliable connections throughout the mission.



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.



SYNQOR



SynQor is widely used in space applications for its advanced power conversion solutions. These applications include satellites, space stations, and space exploration vehicles. 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.



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.



STATEK



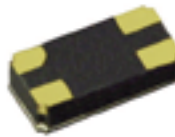
High-reliability quartz crystal oscillators, wide frequency range, and low phase noise, radiation-hardened and space-qualified options, excellent stability under extreme environmental conditions.

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.



MTRONPTI



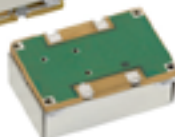
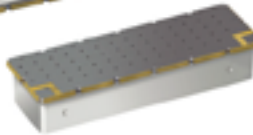
Custom filter and resonator solutions, high performance in demanding RF applications, miniaturized components with high reliability, and broad temperature range stability.

Usage

Signal filtering and frequency management in communication equipment.

Unique Features

Customizable filter solutions, high performance in demanding applications.



MARKI



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

Usage

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.



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.



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P O L A N D

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