

OUR SERVICES AT A GLANCE

Hi-Rel Business

Aerospace, Avionics, Defense, Hybrid Capacitors, High-Temperature Devices, Motion Control, Rad-Hard Space Products

Power Management

AC/DC-, DC/DC-Converters, Battery Supercapacitors, Energy Harvesting Products

E-Mobility

Capacitor Modules, EV-Charger Modules, Hybrid Vehicle Solutions, Motion Controllers

Obsolescence Solutions



Adapter Solutions, Anti-Counterfeiting Program, BGA Reballing, Long Lifetime Program, MCM, Memories, Requirement Engineering, Re-Tinning

Control Elements

Piezo Switches, Keypads
Access Control, Custom OEM



HI-REL BUSINESS

Manufacturers	Products	Applications
 A Micross company	Robotic Hot Solder Dip - compliance with RoHS directive, Elimination of Tin-Whiskers through tin-lead-alloy, Lead Attach Coplanarity and Compression Bond, lead-free Solder Alloy, Gold Mitigation, Forming and Cutting of Pins, BGA Reballing for the Conversion of tin-lead	Aerospace, Defense, Marine
	Multi-Channel Analog to Digital Converters, Sampling A/D-Converters, LDOs, Voltage References, Multi-Channel Complete Data Acquisition, Amplifiers, COTS Isolated and Non-Isolated DC/DC-Converters, operating temperature up to +200°C	Hi-Rel, Military, Airborne, Aerospace, High Temperature

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HI-REL BUSINESS

Manufacturers	Products	Applications
	<p>Highest Energy and Power Density Capacitors with MTBF>5.000.000 hours, product range 68 to 240.000µF (10 to 125V) +85°C, +125°C and +200°C, very low ESR, very high current handling capability, highest levels of quality, qualified to NASA INST-002, ISO 9001 and AS9100 registered</p>	<p>Power Hold-up Avionics, Laser Pulse Power, Phased Array Radar Pulse Power, Replacement of Batteries, Oil & Gas Exploration</p>
	<p>ESCC 5000 and 5010 qualified Hi-Rel components, Rad-Hard Power MOSFETs, Microwave Transistors, Microwave Diodes, Bare Dies No export license required!</p>	<p>Space, Satellite, Microwave RF Applications</p>
	<p>Rad-Hard & Hermetic MOSFETs, Schottky & Ultra-Fast Rectifiers, IGBTs Integrated Circuits, LDOs - MIL-PRF-19500 & MIL-PRF-38534 qualified parts, DC/DC-Converters, EMI Filters, Rad-Hard Solid State Relays, Hybrids & Modules</p>	<p>Hi-Rel, Defense, Space, Aircraft</p>
	<p>Rad-Hard Space qualified Optocouplers, High Gain-, High Speed-, High Voltage Optocouplers, manufacturing, screening & testing of Hi-Rel optoelectronic components, European manufacturer, ITAR free products</p>	<p>Hi-Rel, Space, Military, Avionics</p>
	<p>QML supplier fully certified to AS9100 and ISO9001 Certified to MIL-PRF-38535 Class Q & V and MIL-PRF-38534 Class H Over 1100 part numbers listed with DSCC High Temp Hi-Temp devices in ceramic, plastic, bare die, capacitors, crystals, oscillators, resistors, transformers and inductors along with other RF components. Can operate above 175°C</p>	<p>Aerospace, Defense, Space, Industrial-Embedded and Medical Diagnostic Markets</p>
	<p>The world's first reflowable, slim profile, low ESR Ultracapacitor +85°C, 500mF Hermetic Ultra-Capacitor Technology D & AA size cells, 33 to 370F capacitance, extreme temperature operation -40 to +300°C, custom modules, high cycle life, high shock 500G peak & vibration 20G rms, lithium free - no risk of explosions, high cycle life, 20+ year shelf life, weldable terminals for parallel or series connect</p>	<p>Hi-Rel Avionics, High Temperature Products for Oil & Gas Exploration</p>
	<p>High-End thermal interface gap filler pads non-reactive, non-silicon, no cure system featuring high thermal conductivity (>40W/mK) & (>20W/mK) and high thermal stability, with continuous operation over 150°C</p>	<p>High Temperature Products for EVC, High Power Cooling Systems</p>
	<p>Smart SSD Circuit Breakers, High Performance Miniature Motor Controller Drivers, Wide range of Defense oriented Motion Control Drivers, Electronic Circuit Breakers, BOSS-Multi Axis Motor Controllers, High Performance EV Dual-Motor Controller Drivers, High Performance and High Power Motor Controller Drivers, Multichannel Power Riders, Heavy Duty Motor Fan Drivers, High Performance Motor Controller Drivers, High Performance Stabilization Systems</p>	<p>Mobile Robots, Missiles, Tank Applications, Drone Motor Motion Control, Ship Motor Drivers, Circuit Breakers, Landing Gear and Aviation</p>
	<p>Rad-Hard POL Converters, Custom Power Bus Products, Quad LVDS Line Receiver with Extended Common Mode, Quad LVDS Line Driver, screening & testing of SPACE IC products to the ESCC 9000 requirements</p>	<p>Space Missions, Satellite Business</p>
	<p>MIL-PRF-55342, MIL-PRF-914, MIL-PRF-32159 Mission critical Thin & Thick Film Chip Resistors, High Frequency Products, Silicon Resistors, Chip Attenuators, Current Sense Resistors, High Power Chip Resistors, Zero Ohm Chip Resistors</p>	<p>Space, Defense, High Quality, Medical Industry, Hybrids, Biomedical</p>
	<p>High Reliability & High Temperature Hybrid Microcircuit Crystal Oscillators, MIL-PRF-55310, MIL-PRF-38534, MIL-883B, TTL-LVTTL-CMOS-HC/ACMOS-ECL, lowest voltage is 1.8V, SMD-Packages 5x7mm, High Shock & Vibration Designs, operating temperature up to +230°C</p>	<p>Hi-Rel, Defense, Space, Aircraft, High Temperature</p>

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