

# OUR SERVICES AT A GLANCE

## Hi-Rel Business

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

## E-Mobility

Capacitor Modules, EV-Charger Modules, Hybrid Vehicle Solutions, Vehicle Batteries

## Power Management

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

## Obsolescence Solutions


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

## PARTS MANAGEMENT PROGRAM

- ▶ Long Lifetime Program
- ▶ Up-Screening
- ▶ Quality Inspection



# HI-REL BUSINESS

Manufacturers	Products	Applications
	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
	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	Power Hold-up Avionics, Laser Pulse Power, Phased Array Radar Pulse Power, Replacement of Batteries, Oil & Gas Exploration
	ESCC 5000 and 5010 qualified Hi-Rel components, Rad-Hard Power MOSFETs, Microwave Transistors, Microwave Diodes, Bare Dies <b>No export license required!</b>	Space, Satellite, Microwave RF Applications
 An Infineon Technologies Company	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	Hi-Rel, Defense, Space, Aircraft
	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	Hi-Rel, Space, Military, Avionics
	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	Hi-Rel Avionics, High Temperature Products for Oil & Gas Exploration
	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	Mobile Robots, Missiles, Tank Applications, Drone Motor Motion Control, Ship Motor Drivers, Circuit Breakers, Landing Gear and Aviation
	Rad-Hard PQL 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	Space Missions, Satellite Business
	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	Space, Defense, High Quality, Medical Industry, Hybrids
 Everywhere you look	Discontinued and End of Life industrial and military parts QML Class Q and Class V certified manufacturer, MIL-PRF-38535, MIL-STD-883, Analog & Interface ICs: Amplifiers, A/D- & D/A-Converters, Memories: EPROMs, EEPROMs, SRAMs, CPLD Dual Port RAMs, Programmable & Discrete Logic ICs, FIFOs, Wafer & Bare Die Banking, Components Up-Screening Program	High End Industry, Aerospace, Defense, Transportation
	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	Hi-Rel, Defense, Space, Aircraft, High Temperature

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