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 Certificate number 1520 / 97	 026	 AEROSPACE & DEFENSE	 AEROSPACE & DEFENSE	 QUALITY MANAGEMENT	
			 Electronic Components Supply Network member		

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WS26



HI-REL SOLUTIONS

High Reliability Solutions
Value Added Services
Custom Solutions
Military & Hi-Rel Sourcing

APPLICATION AREAS

- RF switching and attenuation
- Communication data links
- Conversion / Modulation
- Surveillance / Tracking
- Telemetry / Guidance
- Receiver Protection
- Imaging / Profiling
- Meteorological
- Broadcast
- Scientific
- Military
- GPS
- Ground Penetrating Radar
- Scatterometers
- Turret Control
- Personal Radio
- Avionics
- Firing Modules (FM)
- Ignition Safety Devices (ISD)



HIGH RELIABILITY SOLUTIONS

Quality and reliability are the key cornerstones of our solutions and services for Hi-Rel applications. We have a dedicated Quality and Compliance team who maintain the standards and ensure we achieve the highest possible levels of accreditation.

- JOSCAR Registered
- Cyber Essentials Certified
- ISO9001:2008 Accredited
- AS9120 Certified Quality Management System
- AS9100 Certified Value Added Services
- ISO14001 (Environmental Management Standard)
- Members of IOM and ECSN

VALUE ADDED SERVICES

- Services include device programming, firmware version control, tape & reeling, mini reeling and bake & seal
- Unique packaging material for long term storage - MIL 81705D
- Services carried out in our secure, bespoke ESD facility in line with our AS9100 certification
- The Ferrite Gateway Machine Shop offers customers a complementary service to provide custom gapped and machined ferrite cores from our specialist UK facility



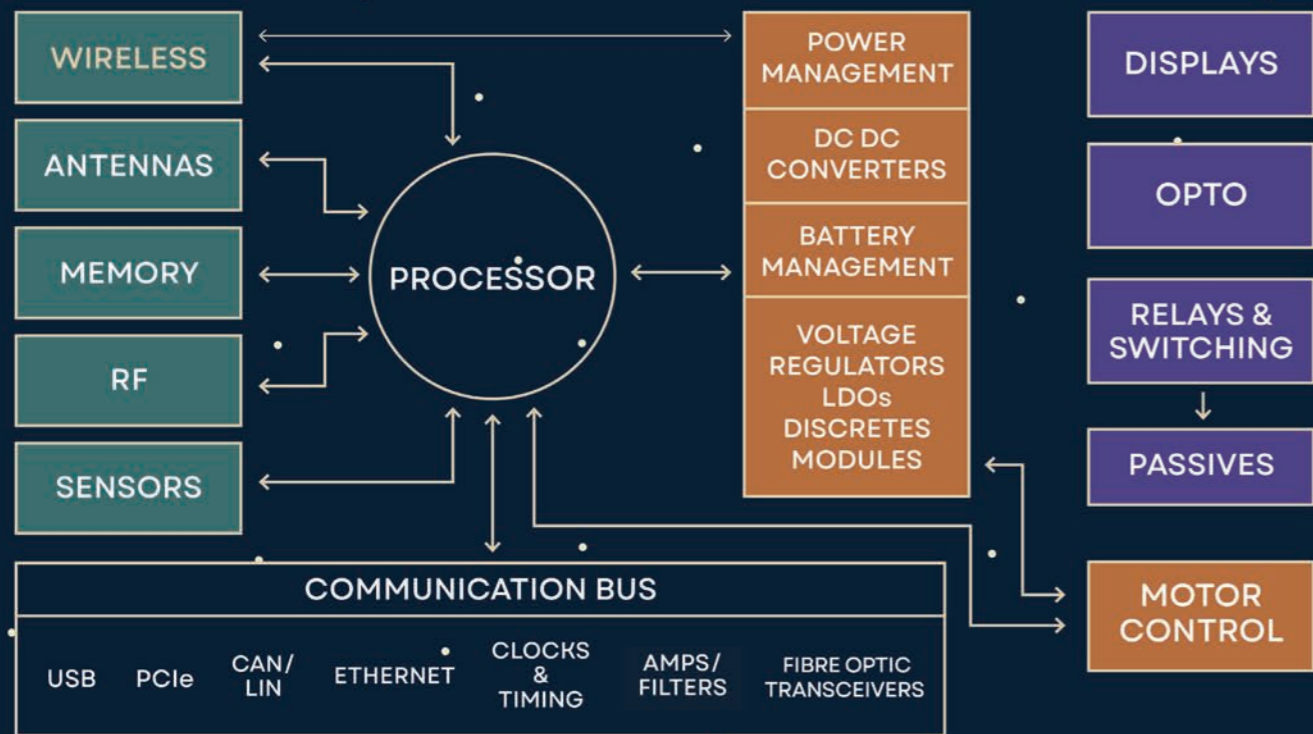
CUSTOM OPTO SENSOR & DISPLAY SOLUTIONS

- UK based Design and Manufacturing division
- Complete end-to-end solutions for optoelectronic, sensing and display technologies
- Thermal and optical sensing
- Illumination and beam manipulation
- Analogue driver and detection circuitry
- Optoelectronic and optomechanical assemblies
- Display technologies – full customisation of display panel assemblies
- Embedded Control
- Program management and production

MILITARY & HI-REL SOURCING

- Specialist business unit offering comprehensive sourcing from approved vendors
- Obsolete and hard-to-find electronic components for military and hi-rel
- Over 25 years of industry knowledge
- Anti-Counterfeit inspection in accordance to AS6081 or relevant standard
- Electrical Re-Testing / Re-Qualification to original manufacturer specification
- AS9100C accredited test houses in accordance with AS6081/AS5553
- Component Up-Screening to Industrial, MI, TX and Custom
- Long Term Storage Facility
- Corrosion-Free Long Term Storage Specialist Packaging
- Specialist Kitting





HMI & DISPLAYS

- Extensive product portfolio of rugged, MIL-STD qualified flat panel displays
- Field-proven military LCD monitor designs can incorporate keypads, switches, bezels and feature lightweight enclosures that can stand up to demanding environments

CONNECTIVITY

- Fibre Optic Transceivers on RHS

SENSORS

- Gyros
- IMU
- AHRS

BESPOKE MAGNETICS

- Bespoke Ferrite Core Geometries
- Specialist Machining
- Low Loss
- Iron Powder
- Nanocrystalline
- Laminations
- Tight Tolerances
- High Frequency

ANTENNAS

POWER MANAGEMENT	
• Isolated DC-DC converters	• Relays
• MIL-PRF-38534 Class H	• Non-isolated, synchronous, buck regulated point of load DC-DC converters
• MIL-STD-461, MIL-STD-704A, DO-160, MIL-STD-883	

POWER SOLUTIONS			
• Discretes	• Supervisors	• LDO's	• Mil-PRF-19500
• Modules	• SiC	• MOSFETs	• Protection
• Voltage Regulators			

RF			
• GaAs RF Diodes	• SAW filters	• Microwave Filters	• GaN on SiC HEMT
• Diodes	• Power Amps	• Power Transistors	

OPTOELECTRONICS			
• Optocouplers	• Switches	• Quadrant Detectors	• Optical Components & Rad-Hard Space Glass for Optical Solar Reflectors & Coverglasses
• Attenuators	• Amplifiers	• Laser Range Finding & Warning Detectors	
• Optical Receivers	• Proximity Fusing	• PIN Photodiodes & APD	
• Diodes	• YAG-enhanced photodiodes & hybrid receivers		
• Front End Modules			

