

Fast Facts

R6/A & UA, RJ45 & USB SERIES CONNECTORS

The high speed RJ45 & USB connector systems incorporate an ABAC (MIL-DTL-38999 series III) or AB05 (MIL-DTL-26482) derived metal shell with full 360° EMC and mechanical protection, and has been designed to meet the requirements of high speed data connections where reliability through environmental sealing and enhanced mechanical protection are required.



FEATURES

- Compact and robust plugs
- 360° grounding (or isolating) feature
- Neat pre-assembled parts
- RJ45 supplied with matched connector suitable for cable for up to 10Gb/s with consistent grounding and strain relief. Patch cables available
- USB supplied with pre-assembled matched moulded patch cable for consistent results for data rates up to 480 Mb/s associated with USB 2.0

APPLICATIONS

- Industrial
 - Robotics, Industrial Process Control, CNC machines, Motion control
 - Oil & gas
 - Advanced motorway and highway indicators and signage systems
 - Mass transit and traction
- Defence & Aerospace
 - Battlefield communication, radar, fighting vehicles
- Missile systems
 - Surveillance systems
 - Naval applications
 - Avionics test equipment

MARKET SEGMENT

- Adoption in high reliability applications including those associated with MIL-DTL-26482 and MIL-DTL-38999 Series III connectors

OUR ADVANTAGE

- No tooling for insertion/extraction of insert
- No protruding parts that can be damaged
- Up to 24 polarising options (via keying and insert rotations)
- Receptacles supplied as assemblies, not a kit of parts, allowing constant 360° grounding of insert to shell, no additional assembly for consistent performance
- RJ45 Plug has no need for additional retention clips; simple assembly
- USB Plug has no need for additional retention clips, adhesive patches or split o-rings; simple assembly
- Typical performance is at least 10% higher than existing alternatives, e.g.
 - Service temperature -40°C to 120°C
 - Sine vibration to 11g peak

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Connectors Business Unit

AB Connectors