

## ***MIL-DTL-38999 Series III Derived RJ45 - Environmental Reliable Ethernet Connection System for Harsh Environments***

### **Description**

The new RJ45 environmental system incorporates a MIL-DTL-38999 Series III derived metal shell with full 360 degree EMC and mechanical protection and has been specifically designed to meet the requirements of high speed Ethernet connections where reliability through environmental sealing and full mechanical protection are required.

- Sealed to IP68 for fluid and dust laden environments
- High levels of shock, vibration and mechanical impact protection
- MIL-DTL-38999 series III derived polarized metal shell with fast and secure vibration proof coupling
- Aluminium, Marine Nickel Bronze and Stainless Steel shell options

### **Main Characteristics**

#### **Data Transmission**

CAT 5e per ISO/IEC 11801

#### **Mechanical**

1 turn self-locking coupling.  
Mechanical keyway coding before any connection.  
Positive cordset retention >100N axial force.  
Vibration: No discontinuity > 30ns over 10-500 Hz, 50g DIN IEC 68-2-6  
Mating cycles: >500

#### **Environmental**

Sealing: IP68  
Salt Spray: >500hrs nickel, Cadmium and Zinc Cobalt  
Fire and Smoke: UL94 V0 low smoke, zero halogen  
Operating Temp: -40°C to +120°C

#### **RoHS**

Compliant, subject to plating finish

