

## Military Filter Connectors for Ethernet & Data Relay Applications

RF Immunity is proud to introduce its latest developments designated for Military applications appropriate for fast Ethernet Protocols built to withstand harsh environmental conditions.

### MIL-USB CONNECTOR

Based on circular connector D38999/A35 and Compatible with USB2.0 Military application, MIL-USB Connector is applicable wherever keyboards, flash memories and other devices are used under harsh environmental conditions. Developed to enable data relay as fast as 480Mb/s for USB2.0, the MIL-USB Filtered Connector presents significant common mode attenuation at tactical frequency range of 2MHz-100MHz.

#### Electrical Features:

- Military Filtered Connector for USB communication protocol
- Keeps signal integrity
- Enables Data rate 480Mb/s for USB2.0
- Significant Common Mode Attenuation at the tactical frequency (2MHz -100MHz)



6 PIN MIL-USB CONNECTOR

#### Mechanical Features:

- Based on 6 contacts D38999/A35
- Fully interateable with Plug D38999/A35
- Resistance to shock and vibrations
- Environmentally sealed against dust water and sand
- Available terminations- Solder Cup and PCB

### MIL-LAN CONNECTOR

Based on circular connector D38999/B35, MIL-LAN Connector has been designed as a Military Filter Connector for Giga Ethernet (10/100/1000Base-T) applications. Designed to maintain Ethernet signal integrity and significant common mode rejection at tactical frequencies in the range 2MHz-100MHz, the MIL-LAN Filtered Connector complies with strict MIL environmental characteristic standards.

#### Electrical Features:

- Military Filtered Connector for Ethernet 10/100/1000Base-T.
- Keeps Ethernet signal integrity
- Significant Common Mode Rejection at the tactical frequency (2MHz -100MHz)
- Magnetic mechanism included



13 PIN MIL-LAN CONNECTOR

#### Mechanical Features:

- Based on 13 contacts D38999/B35
- Fully intermateable with Plug D38999/B35
- Resistance to shock and vibrations
- Environmentally sealed against dust water and sand
- Available terminations- Solder Cup and PCB

### MIL RJ45 CONNECTOR

Based on circular connector D38999/III with integrated RJ45 Interconnect mechanism.



All magnetic and filter components are fully incorporated and intermateable with standard 5 category cables.

#### Electrical Features:

- Filter connector for Ethernet 10/100/1000 Base T lines.
- Keeps Ethernet signal integrity
- Significant attenuation at the tactical frequency range (2MHz – 100MHz)

#### Mechanical Features:

- Based on MIL-C-38999, Shell size 19 (Modified)
- Available in Jam Nut and Wall Mount version.
- Intermateable with D38999/III.



RJ45 CONNECTOR

### RF Immunity Ltd

2 Prat St. Yavne 81227, Israel  
Tel: +972-73-2331300  
Fax: +972-73-2331325  
sales@rfimmunity.co.il  
http://www.rfimmunity.com

