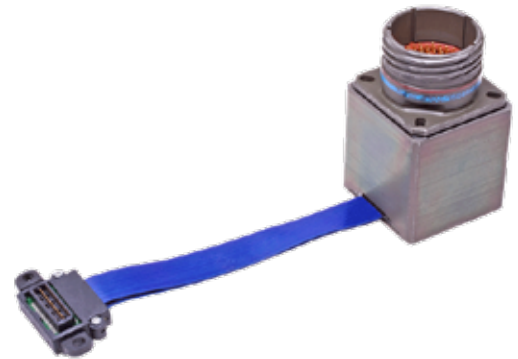# Hornet Series

4+1 Port Ethernet Switch

Data Controllers: Ethernet Switches

eylex

Moog Protokraft Hornet series 10/100/1000Base-T unmanaged Ethernet switches consist of 5x10/100/1000Base-T ports with auto negotiation and auto MDI / MDIx functions integrated into a bulkhead mounted MIL-DTL-38999 connector assembly. The external interface of the Hornet is a D38999 size 19-35 connector with 4x IEEE-802.3U:2005 10/100/1000Base-T compliant Ethernet ports. The internal interface of the Hornet is a ribbon coax cable to Samtec® SMT connector assembly enabling interconnection to a motherboard, daughtercard or backplane. Power to the unit is supplied through the Samtec® connector.

Features

- 5x (4+1) triple-speed switched 10/100/1000Base-T Ethernet ports per IEEE 802.3:2005

- Cable link distances up to 100 m (EIA / TIA Cat-5E)

- Operating temperature range from - 40ºC to + 85ºC

- Jumbo frame support in all speeds (10/100/1000Base-T)

- Full duplex flow control per IEEE802.3X and half duplex back pressure, symmetric and asymmetric

- Shock, vibration and immersion resistant per MIL-STD-810

- Aluminium connector shells are strong, durable and lightweight

- Auto sensing of half or full duplex operation

- Total weight of 121 g for the complete system

- Unmanaged Ethernet switch - no configuration required

- Samtec® SMT connector for simple attachment to motherboard or backplane

- MIL-DTL-38999 size 19-35 with 4x 10/100/1000Base-T ports

- 5 VDC power supply input - maximum power consumption < 5 W

Applications

Hornet series 10/100/1000Base-T Ethernet switches enable high speed network communications in harsh environments.

- Civil and military vehicle Fast or Gigabit Ethernet networks

- Plug and play operation – no configuration required

- Unmanaged Ethernet switch port multiplication

Note: Other wavelength, mounting and port count options are available.

Samtec® is a registered trademark

Partnered Supplier

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