

AMPHENOL PCD MARKETS

Military Airframe/
Rotocraft



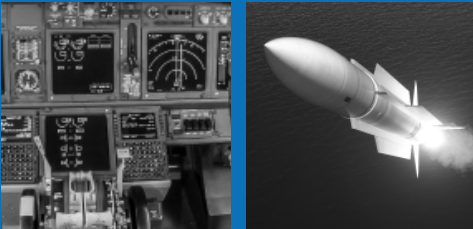
Ground Programs

Commercial
Aerospace



Missile Defense

Avionic



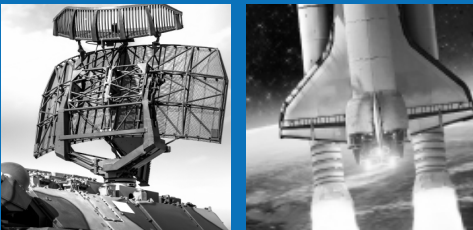
Munitions &
Missiles

UAV



Ship Building &
Maritime

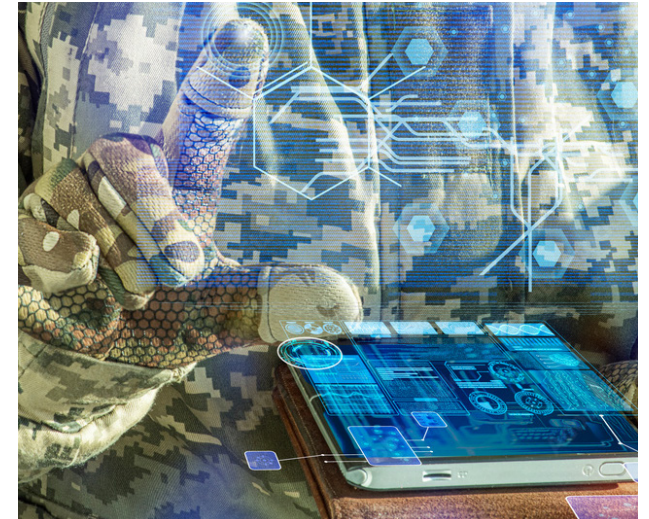
C5 System



Space Based



www.amphenolpcd.com



RUGGED VIDEO DISPLAYS

RUGGED NETWORK SOLUTIONS



Harsh Environment Display connectors, available in HDMI, Mini DisplayPort, or USB-C protocols.



www.powell.com



800-235-7880



pcdinfo@powell.com

HDMI FTV

Insert a standard HDMI cordset into a ruggedized, size 17 38999 shell.



HDMI FTV series is a ruggedized display solution that allows you to insert a standard HDMI cordset into a ruggedized, size 17 38999 shell. HDMI FTV connectors can support 4K UHD (3840 × 2160) at 60 Hz. They are based on the MIL-DTL-38999 series III using HDMI 2.0 protocol. The transmission bandwidth goes up to 18 Gbit/s with 6 Gbit/s per lane.

Features:

- Tri Start Thread coupling mechanism (MIL-DTL-38999 series III type) with anti-decoupling device
- Shell size 17
- No cabling operation in field and no tools required
- Data Transmission:
 - HDMI 2.0 protocol.
 - Transmission bandwidth : 18 Gbit/s with 6 Gbit/s per lane.
 - Can support 4K UHD (3840 × 2160) at 60 Hz

Specifications

- Supports 4k UHD
- Reduced flange options available
- Improved EMI protection

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MDP FTV

Runs on display port 1.4 protocol (the fastest speed available) and supports 8k UHD and 4k UHD in a rugged, size 13 38999 shell.



MDP FTV (Mini Displayport) series runs on display port 1.4 protocol (the fastest speed available) and supports 8k UHD and 4k UHD in a rugged, size 13 38999 shell. MDP FTV connectors can support 8K UHD (7680 × 4320) at 60 Hz or 4K UHD (3840 × 2160) at 120 Hz. They feature a Tri Start Thread coupling mechanism (MIL-DTL-38999 series III type) with anti-decoupling device and use display 1.4 protocol. The transmission bandwidth is 32.4 Gbit/s with 8.1 Gbit/s per lane.

Features:

- Tri Start Thread coupling mechanism (MIL-DTL-38999 series III type) with anti-decoupling device.
 - Shell size 13.
- No cabling operation in field and no tools required.
- Improved EMI protection.
- Mating cycles : 500 min.
- Panel thickness : 1,6 mm min and 3,18 mm max for jam nut receptacle.

Specifications

- Supports 8k or 4k UHD
- No additional tools required
- Sealed against fluid and dust (IP68 mated)

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USB3 CFTV

A new rugged USB3.0 connector with Type C interface.



USB3 CFTV a new rugged USB3.0 connector with Type C interface. Highly customizable, fully reversible connector with various data transmission and power delivery capabilities in a size 11 38999 shell. Based on MIL-DTL-38999 series III, plugs and receptacles are mated with a Tri-Start thread coupling mechanism. This solution strengthens and protects devices against fluids, dust, shocks, and disconnection due to vibration.

Features:

- Thread coupling, MIL-DTL-38999 series III type
- Shell size 11
- Shock, vibration, and traction resistance
- No tools are required for cabling adaptation
- EMI protection: Shielding continuity
- Mating plug/receptacle cycles: 500 at least

Specifications:

- Combines 10Gb/s data speeds, medium power, and video display
- Fully reversible
- Smaller footprint – shell size 11 D38999

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