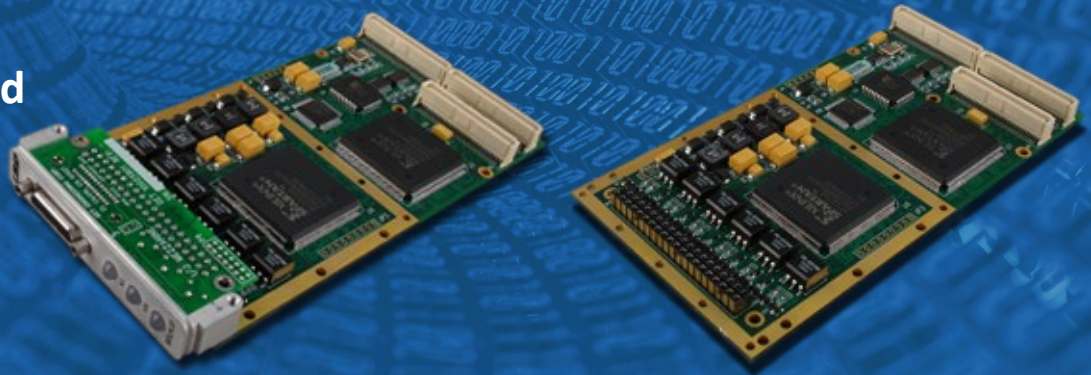


PMC ATDS Conduction Cooled



GET PMC ATDS Conduction Cooled MIL-STD-188-203-1A

This ATDS Adaptor is 100% compliant with MIL-STD-188-203-1A standards offering multiple operating and connectivity options. Provides TADIL-A Serial interface for DTS or TDS operations.

All configuration parameters are accessible through a simple software user interface using FPGA-controlled DMA channels for transmit and receive buffers to reduce host CPU usage

Key Hardware Features:

- ANSI/VITA 20-2001 compliant PMC Module
- User controlled front panel LEDs for Adapter Status and TX and RX activity
- Transceiver Short Circuit and Transient Protection Fail Safe I/O
- Full Picket Addressing and Sidetone support
- Data Recirculation (Fault) Testing
- Front or Rear Panel I/O (P4) configuration available

Key Software Features:

- Common API's across multiple operating systems
- Memory Mapped address space
- Independent FPGA-controlled DMA channels
- Extensive built-in test capabilities enable rapid troubleshooting of the interface
- Sample code provided to enable rapid Application Code development.
- Time stamping on data transactions

Adapter Specifications	
ATDS Interface	Compliance with MIL-STD-188-203-1A
Form Factor	Standard Simple PMC Card (74mm x 143,77mm)
Bus Interface	IEEE 1386, 1-2002 Standard for PMC Card (74mm x 143,77mm)
Power Requirements	5 V at 0.2amps.
I/O Connections	Front panel 25 Pin Micro D Plug Rear panel P4 I/O
Part Number	10075601 (Suffix for Options)
Environmental	
Operating Temperature	0°C to 70° Operating (MIL-STD-810, Method 501 and 502, Procedure 2)
Storage Temperature	Minus 40°C to 85°C Operating (MIL-STD-810, Method 501 and 502 Procedure 1)
Humidity	5 to 95% humidity operational (non-Condensing MIL-STD 810, Method 507)
Vibration	0.01g ² /hz 15 - 2 KHz, Optional 0.1g ² /HZ15 -2KHz, (MIL-STD-810, Method 514, Prodedure I)
Operating Shock	20 g peak, Optional 40 g Peak, (MIL-STD-810,Method 516,Procedure I)
MTBF	> 200K hours MTBF per MIL-HDBK-217 Rev. E, 25°C Ground Benign Envionment