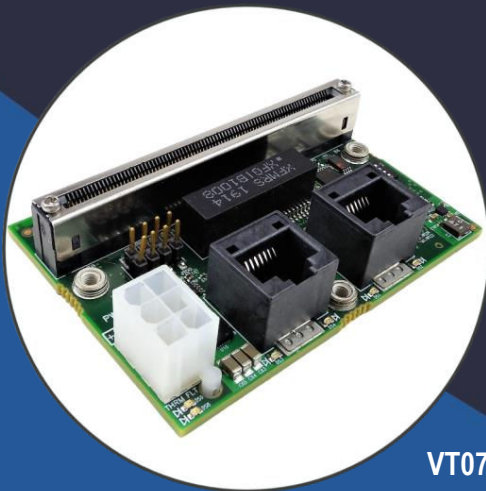


# VT072

## Single Slot Backplane for AMC Modules



VT072

### Key Features

- Single slot AMC backplane
- Provides +12V and Management Power to the AMC Module
- Port 0 and 1 are routed to the GbE PHY
- Three M3 Mounting holes to mate to any frame size

### Benefits

- Low-cost test/dev board for AMC modules
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company



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# VT072

The VT072 is a single slot backplane which allows any AMC.1, AMC.2, AMC.3 or AMC.4 to be utilized. The board is ideal for low-cost testing/development of AMC modules.

The VT072 requires +12V input power (connector part number 1586039-6 from TE) applied from an external power supply.

**Please make sure the AMC is inserted in the correct origination into the VT072 connector or the AMC module will be damaged.**



Figure 1: VT072

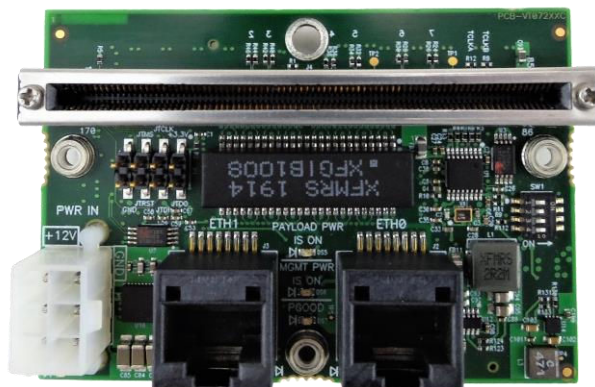


Figure 2: VT072 Top View

## Block Diagram

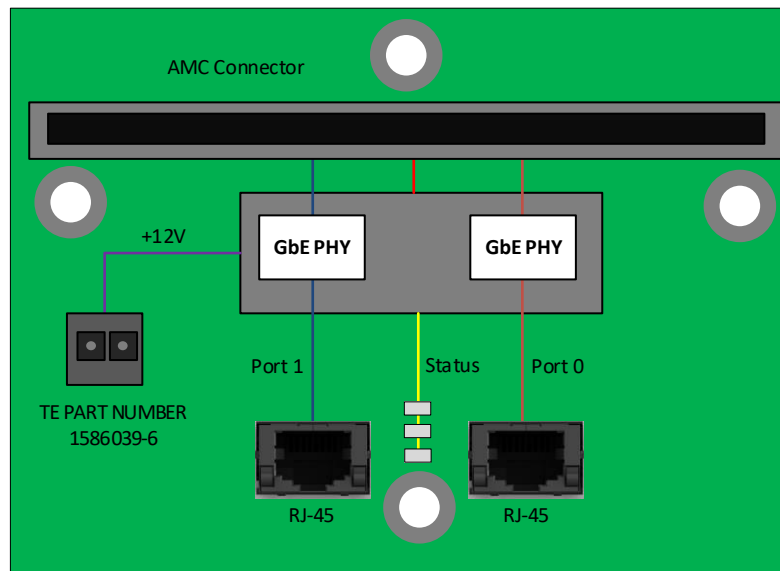


Figure 3: VT072 Functional Block Diagram

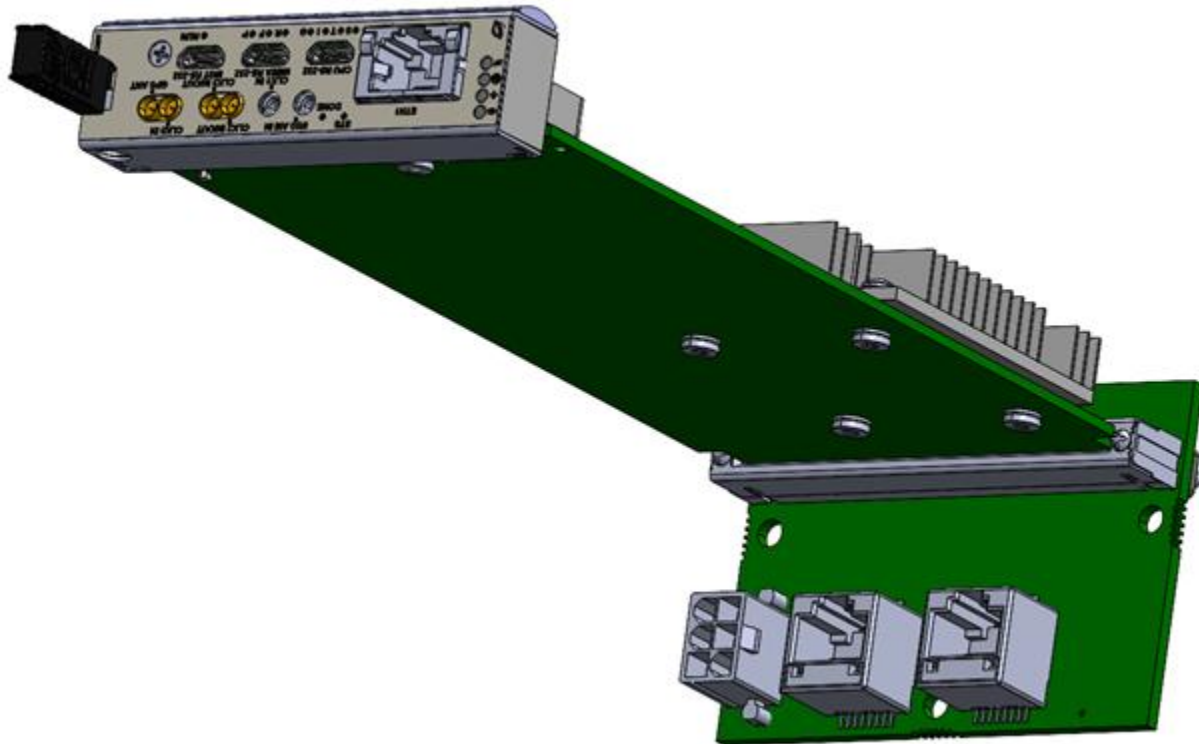


Figure 4: Orientation of the AMC into the VT072

# Specifications

| Architecture   |   |   |
|----------------|---|---|
| Physical       | Dimensions  | Width: 3" (76.2 mm)   |
|                |   | Length: 1.75" (44.45 mm)                                      |
| Type           | Backplane   | Single slot   |
| Standards      |   |   |
| AMC            | PICMG   | AMC.0   |
| Configuration  |   |   |
| Power          | VT072   | 2W  |
| Environmental  | Temperature   | See <a href="#">Ordering Options</a>                          |
|                |   | Storage Temperature: -40° to +90°C                            |
|                | Vibration   | Operating 9.8 m/s <sup>2</sup> (1G), 5 to 500 Hz on each axis |
|                | Shock   | Operating 30G each axis                                       |
|                | Relative Humidity   | 5 to 95% non-condensing                                       |
| Front Panel    | Interface Connectors  | x2 RJ-45 for GbE  |
|                |   | 12V power supply connector                                    |
|                | LEDs  | Payload power, Management power and PCIe Lane Good            |
| Other          |   |   |
| MTBF           | MIL Hand book 217-F@ TBD hrs  |   |
| Certifications | Designed to meet FCC, CE and UL certifications, where applicable          |   |
| Standards      | VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards |   |
| Warranty       | Two (2) years, see <a href="#">VadaTech Terms and Conditions</a>          |   |

## INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of OpenVPX, ATCA and MTCA products including chassis platforms, shelf managers, AMC modules, Switch and Payload Boards, Rear Transition Modules (RTMs), Power Modules, and more. The company also offers integration services as well as pre-configured Application-Ready Platforms. Please contact VadaTech Sales for more information.


# Ordering Options

VT072 – 000-000-0HJ

|  |  |   |
|--|--|---|
|  |  |   |
|  |  | <b>H = Temperature Range</b><br>0 = Commercial<br>1 = Reserved  |
|  |  | <b>J = Conformal Coating</b><br>0 = No coating<br>1 = Humiseal 1A33 Polyurethane<br>2 = Humiseal 1B31 Acrylic |

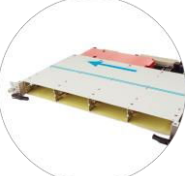
## Related Products

ART131




- Zone three dual PCIe x8 to I-Pass connectors
- Managed Layer two GbE switch
- 8 GbE 10/100/1000 copper Ports

ATC133



- 10G ATCA Carrier
- Managed Layer 2 software
- Four full-size AMC slots

VT830



- 19" rackmount 6U ATCA Chassis with integrated Switch and Shelf Manager
- 10GbE/GbE Managed Layer 2
- 40GbE/10GbE/GbE Managed Layer 3

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