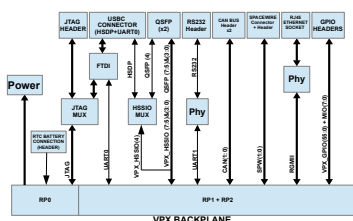
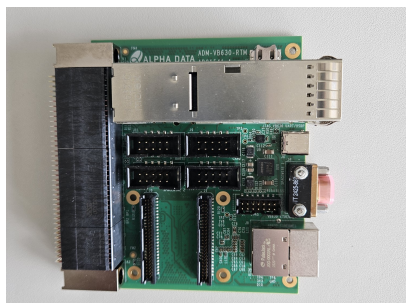


AD01541



Applications

- ADM-VB630 Testing/Debug
- Multi-Gigabit Backplane Breakout for ADM-VB630
- Ethernet
- SpaceFibre
- SpaceWire
- CAN bus
- GPIO

Board Features

- Dual QSFP28 cages
- 1G Ethernet RJ45
- USB socket
- RS232
- SpaceWire
- CAN bus
- GPIO Header

Summary

A 3U, VPX, Rear Transition Module (RTM) designed to interface with Alpha Data ADM-VB630 Versal Edge Space Development board.

The RTM provides complete breakout of all backplane signals providing the user with complete flexibility during development and debug. Multiple QSFP cages, Gigabit Ethernet port (including PHY), SpaceWire connector and header, Dual CAN Bus, USB Type C socket, buffered RS232, JTAG and internal header for GPIO connectivity

Board Format

VPX 3U Rear Transition Module

Input/Output Interfaces

Comms (RTM backpanel)

1x USB-C for HSDP Debug, JTAG Debug

Gigabit Ethernet (RTM backpanel)

1x Gigabit Ethernet Interfaces

QSFP (RTM backpanel)

2x QSFP28 cages for High Speed Serial (8 lanes total)

Comms (on-board)

1x RS232 Communications
1x SpaceWire

Discrete I/O (RTM backpanel)

24x Single Ended GPIO

Comms (RTM backpanel)

2x CAN Bus

Environmental Specification

Cooling Option	Operating Temperatures		Storage Temperatures	
	Min	Max	Min	Max
AC0	0°C	+55°C	-40°C	+85°C

Operating Humidity

Up to 95% (non-condensing)

Order Code: ADM-VB630-RTM