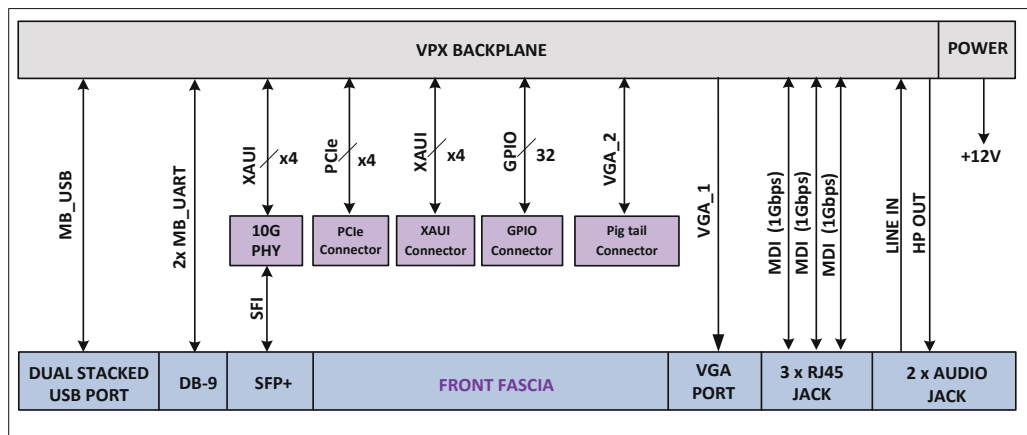


QorIQ T4241 VPXRTM Board

QorIQ T4241 VPX RTM designed for QorIQ T4241 VPX board to bring 10G Ethernet, Graphics port and three 1G Ethernet ports to interface with other cards/system.

- QorIQ T4241 VPX RTM Board

QorIQ T4241 VPX RTM Board



KEY FEATURES

- Work on Single +12V power supply
- Three 10/100/1000 Ethernet ports terminated on RJ45
- 10G Optical Ethernet terminated on front panel
- Two USB2.0 port
- On-board mSATA mini connector
- Two UART (RS232) ports terminated on a single DB9 connector
- Two 3.5mm audio jack for Headphone out and Line input
- One channel VGA signals are terminated on a 15 pin DSUBconnector
- 2nd channel VGA signals are terminated on a 2x3 header
- 32 TTL GPIO (16-input and 16-output) signals are terminated on

10G Ethernet

- XAUI to XFI convert Phy chip for 10G Ethernet

Mass Storage

- mSATA mini connector

Audio

- One Headphone OUT and One Line IN connectors
- Audio Codec supporting programmable sampling rates

Video

- One VGA channel terminated at standard 15 pin DSUB connector
- 2nd channel VGA signals are terminated at 2X3 pig tail connector

Front Fascia Interfaces

- SFP+ connector for 10G Ethernet
- 15- pin DSUB VGA connector
- DB9 Connector for 2- RS232 channels
- Three 10/100/1000 Ethernet ports
- Stacked USB2.0 Type-A connector
- Two 3.5mm jacks for Headphone Out and Line IN

Backplane Standard

- AV46DOT0 VPX Standard

Electrical Specifications

- Single 12V power supply

Mechanical Specifications

- Air cooled VPX form factor

Environmental Specifications

- Operating temperature: -20°C to +55°C
- Vibration, Humidity, Shock, Fungus, Salt Fog test- MIL-STD-810G

Reliability

- MTBF : board 95938.7 h@55C according to MIL-HDBK-217F

EMI/EMC

- MIL-STD-461E/F

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