

EVB-PCI11400 Evaluation Board

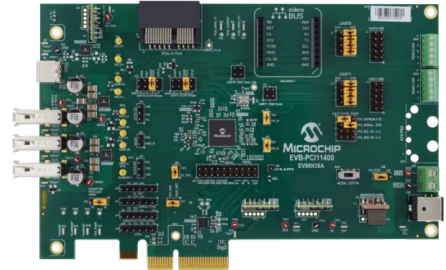
EV96N38A

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DESCRIPTION

Microchip Technology EVB-PCI11400 Evaluation Board is a demonstration and evaluation platform that provides the necessary requirements and interface options for evaluating the PCI11400. The PCI11400 is a single-chip PCIe switch with an integrated USB 3.2 Gen 2 host controller and programmable I/O options (I2C/SPI/UART/GPIO), on a six-layer RoHS-compliant PCB. Evaluation platform features four USB-IF-compliant downstream USB host ports: one USB Type-C® USB 3.2 Gen 2 SuperSpeed+ port and three USB Type-A USB 2.0 high-speed ports.



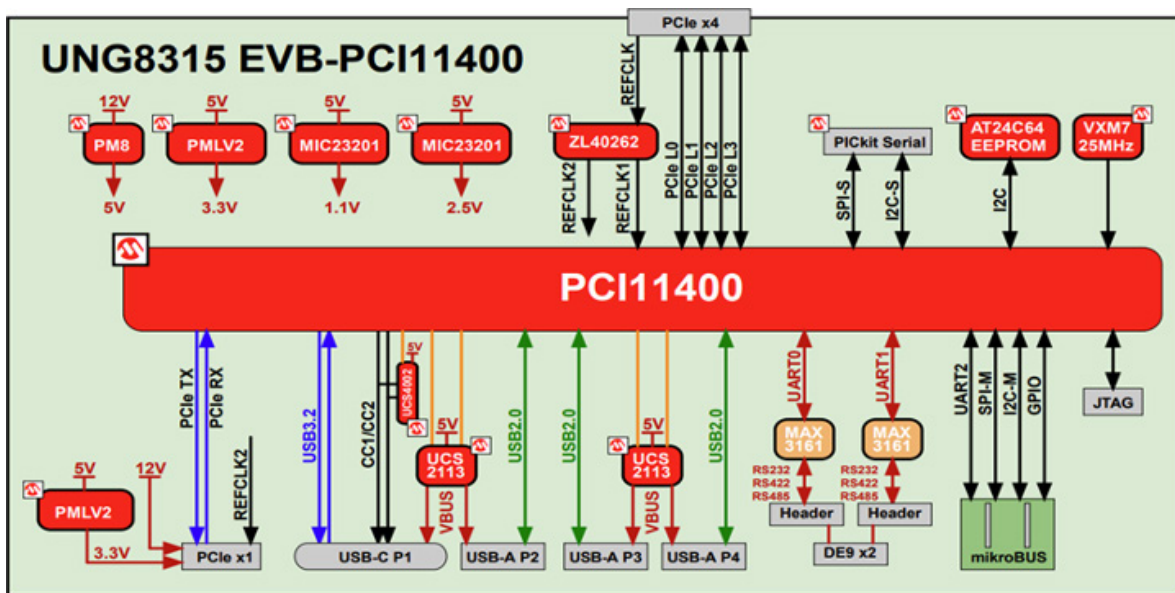
The EVB-PCI11400 evaluation platform offers one downstream PCIe Gen 4 8GT/s switch port (1 lane * 8 GT/s) and implements four channels of RS-232/485 connectivity. This board is compatible with Linux® and Microsoft® Windows® 10 to demonstrate its PCIe, USB host, and I²C/SPI/UART/GPIO drivers.

FEATURES

- 132-pin dual-row QFN (DQFN) RoHS-compliant package
- 4x USB-IF compliant downstream USB host ports, 1x USB Type-C™ 3.2 Gen 2 SuperSpeed+ downstream port, and 3x USB Type-A 2.0-only downstream ports
- 1x downstream PCIe Gen 4 (1 lane * 8GT/s) port on a PCIe x4 slot connector
- 4x channels of RS-232/485
- Onboard I2C serial EEPROM for EVB system configuration and function customization
- 1x optional I²C or SPI target configuration bus
- Operates from a single voltage (+12V, regulated) external power supply
- 25MHz onboard crystal
- +5V single onboard and regulator

- +3.3V single onboard and regulator
- +1.1V single onboard and regulator
- USB port power LED indicators
- Regulator LED indicators for 5V, 3.3V, and 1.1V outputs

BLOCK DIAGRAM



MOUSER PART NUMBER

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