USB7252 4-port Gen2 SmartHub Evaluation Board

Part Number: EV33X03A

Summary:

The EVB-USB7252 is a demonstration and evaluation platform that provides the necessary requirements and interface options for evaluating the USB7252, a 4-port SuperSpeed+ (SS+) USB SmartHub™ IC on a 4-layer RoHS-compliant Printed Circuit Board (PCB). This allows the user to gain an understanding of the product and accelerate the integration of the USB7252 into the user's design. View More

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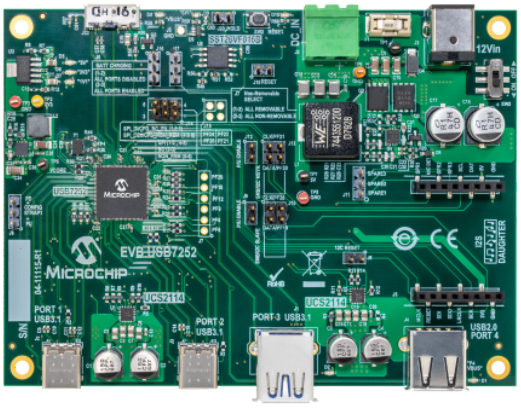

Product Features

- USB7252 in a 100-pin QFN RoHS-compliant package
- USB 3.2-compliant (Gen2 operation)
- USB 2.0-compliant (HS, FS, and LS operation)
- USB Gen2 Type-B upstream port
- Four downstream USB ports: Three Gen2 downstream ports including two supporting USB Type-C and one USB 2.0-only downstream port
- All downstream ports support individual port power and overcurrent sense
- All downstream ports can be enabled for battery charging with the battery charging select shunts J10 and J14. (BC1.2 or SE1, 2.1A maximum per port)
- Onboard SPI Flash for external downloadable firmware
- Operates from a single-voltage (+12.0V, regulated) external power supply
- Onboard 25 MHz crystal or oscillator input
- Single onboard +5.2V/15A. +3.3V/0.5A, +1.2V/2A regulators
- Port Power, SPI FLASH active, Reset and regulator output LED indicators
- Bridge peripheral functions: USB-to-UART (CDC), USB-to-I2S™ Audio Codec, USB-to-I2C