

Product Overview

FUSB308BV: USB Type-C Port Controller with USB-PD

For complete documentation, see the data sheet.

The FUSB308BV targets system designers looking to implement up to four USB Type-C port controllers (TCPC) with USB-PD capabilities. This solution provides integrated Type-C Rev 1.3 detection circuitry enabling manual attach/detach detection. Time critical Power Delivery functionality is handled autonomously, offloading the μ Processor or Type-C Port Manager (TCPM). The FUSB308BV complies with the USB-PD Interface Specification Rev 1.0 as a TCPC for a standardized interface with TCPM.

Features

- USB-PD Interface Specification Rev 1.0 Ver. 1.2 Compatible
- USB Type-C Rev 1.3 Compatible
- USB-PD Rev3.0 Ver. 1.2 Compatible
- USB-PD Interface Specification Support: Automatic GoodCRC Packet Response, Automatic Retries of Sending Packet, All SOP* Types Supported
- 2 VBUS Source Control
- Integrated 3W Capable VCONN to CCx Switch
- 10-bit VBUS ADC
- Programmable GPIOs
- 4 Selectable I2C Addresses
- Sink Transmit

For more features, see the data sheet

Applications

- Portable & Wireless
- Automotive
- Consumer

End Products

- Desktops
- Wall Adapters
- Automotive

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Mode Support	Power Delivery Communication Support	IC Features	Package Type
FUSB308BVMPX	0.7546	AEC Qualified PPAP Capable Pb-free Halide free	Active				WQFN-16

For more information please contact your local sales support at www.onsemi.com.

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