

## Product Overview

### FUSB303: Autonomous USB Type-C Port Controller with I<sup>2</sup>C and GPIO Control

For complete documentation, see the data sheet.

The FUSB303 device is a fully autonomous USB Type-C™ controller optimized for 15 W or less applications. The FUSB303 offers CC logic detection for Source Port role, Sink Port role, DRP, and accessory detection support, as well as Dead Battery support as defined in USB-C specifications. The FUSB303 features configurable address I<sup>2</sup>C access to support multiple ports per system or it can operate autonomously configured by just pins. The FUSB303 features ultra-low power during operation, and an ultra-thin, 12-Lead QFN package.

### Features

- Fully Autonomous USB-C™ Port Controller
- Supports Latest Type-C™ Specification Release 1.3
- Source, Sink, and DRP Port role Configuration with Optional Accessory Support
- Try.SRC and Try.SNK modes for Preferring Source Role or Sink Role Respectively
- VDD Operating Range, 2.85 V - 5.5 V
- Typical Low Power Operation: ICC < 10µA
- GPIO and I2C Configuration
- Max 28 V DC Tolerance on ID, VBUS\_DET, CC1 and CC2
- Dead Battery Support (Sink Port role when No Power Applied)
- 4 kV HBM ESD Protection for Connector Pins

For more features, see the data sheet

### Applications

- USB-C™ Port Controller

### End Products

- Smartphones
- Tablets
- Laptops
- Accessories
- Industrial

### Part Electrical Specifications

Product	Compliance	Status	Mode Support	Power Delivery Communication Support	IC Features	Package Type
FUSB303TMX	Pb-free Halide free	Active	DRP UFP (Sink) DFP (Source)	No		X2QFN-12

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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