

Product Overview

FUSB301: Autonomous USB Type-C Controller with Super Speed Switch Control

For complete documentation, see the data sheet.

The FUSB301 is a fully autonomous Type-C controller optimized for $\leq 15\text{ W}$ applications. The FUSB301 offers CC logic detection for Source Mode, Sink Mode, Dual Role Port Mode, accessory detection support, and dead battery support. The FUSB301 features an external switch pin (SS_SW) to enable an external USB Super Speed Switch without interrupting the processor. The FUSB301 features an extremely low power disable mode as well as low power during normal operation. It is available in an ultra thin, 10-Lead TMLP package.

Features

- Fully Autonomous Type-C Controller
- Supports Type-C Version 1.1 and 1.0
- VDD Operating Range, 3.0 V- 5.5 V
- Low Disable Power: $I_{CC} = 2\ \mu\text{A}$ (Max.)
- Low Standby Power: $I_{CC} = 7\ \mu\text{A}$ (Max.)
- Dual Role Port Mode with Optional Accessory Support
- Capable of Supporting Try.SNK and Try.SRC
- Super Speed Switch Control
- Dead Battery Support (Sink Mode Support when No Power Applied)
- 2 kV HBM ESD Protection

For more features, see the data sheet

Applications

- This product is general usage and suitable for many different applications.

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Mode Support	Power Delivery Communication Support	IC Features	Package Type
FUSB301TMX	0.2582	Pb-free Halide free non AEC-Q and PPAP	Active	DFP (Source)	Yes	External switch pin Low power disable mode	X2QFN-10

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

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