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## FUSB302TGEVB: Programmable USB Type-C Controller with PD

The FUSB302TGEVB evaluation board targets system designers looking to implement a DRP/SRC/SNK USB Type-C connector with low amount of programmability. The FUSB302TGEVB enables the USB Type-C detection including attach, and orientation. The FUSB302 integrates the physical layer of the USB BMC power delivery protocol to allow up to 100 W of power and role swap. The BMC PD block enables full support for alternative interfaces of the Type-C specification. Reference code is available for the FUSB302 for easy implementation of Type-C and USB BMC power delivery protocol across several embedded controller platforms. Click on the Reference Code request link to the right.

### Features and Applications

#### Features

- Full Type-C 1.1 Support. Integrates the following functionality of the CC pin
- Dedicated devices can operate both on a Type-C receptacle or a Type-C plug with a fixed CC and VCONN channel.
- Software configurable either as a dedicated host, dedicated device, or dual role
- Dual-Role Functionality with Autonomous DRP Toggle
- Ability to connect as either a host or a device based on what has been attached.
- Attach/Detach Detection as Host

### Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
FUSB302TGEVB	Active	Pb-free	Programmable USB Type-C Controller with PD	FUSB302TMPX	<a href="#">» Contact Local Sales Office</a>

### Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	FUSB302TGEVB Bill of Materials (ROHS Compliant)	FUSB302TGEVB_BOM_ROHS - 132 KB	1
Eval Board: Gerber	FUSB302TGEVB Gerber Layout Files (Zip format)	FUSB302TGEVB_GERBER - 191 KB	0
Design & Development Tools	FUSB302TGEVB Programming procedure	FUSB302TGEVB_PROGRAMMING - 468 KB	0
Eval Board: Schematic	FUSB302TGEVB Schematic	FUSB302TGEVB_SCHEMATIC - 282 KB	0
Eval Board: Test Procedure	FUSB302TGEVB Test Procedure	FUSB302TGEVB_TEST_PROCEDURE - 234 KB	0

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