

FEATURES

- USB Type-C 2.0 and USB PD3.0 Compliance Certified, TID: 1000189
 - Support 5V, 9V and 12V FPDOS
 - Support 5V Prog and 9V Prog APDOs
- Support BC1.2 DCP and HVDCP Protocols
 - BC1.2 DCP Mode
 - Divider 3 Mode
 - QC2.0/3.0 Class A
 - AFC
 - FCP and SCP
- External N-MOSFET Supported
- Support Constant Voltage Loop (CV) and Constant Current Loop (CC) Operation
- Additional 7 Power Levels Configured by PS0, PS1 Pins
- Integrated OVP, UVP, UVLO, OCP, FOC and TSD Protections
- 16-Lead Plastic QFN (3mm × 3mm) Package
- ±4kV HBM ESD Rating for USB IO Pins

APPLICATIONS

AC-DC Power Adaptor
Car Charger

GENERAL DESCRIPTION

The **HUSB338C** is a high performance, high integration USB Type-C Power Delivery source controller. The **HUSB338C** supports PD2.0, PD3.0, PPS, QC2.0/3.0, Divider 3, BC1.2 DCP, AFC, FCP and SCP protocols. It supports 5V, 9V and 12V three FPDOS and 5V Prog, 9V Prog two APDOs which are fully compliant with USB Power Delivery Specification Revision 3.0, version 2.0.

The **HUSB338C** integrates all required protections such as Over Voltage Protection (OVP), Under Voltage Protection (UVP), Under Voltage Lock Out (UVLO), Over Current Protection (OCP), Fast Over Current Protection (FOCP) and Thermal Shut Down (TSD).

It is available in QFN-16L, 3mm x 3mm package.

TYPICAL APPLICATION CIRCUIT

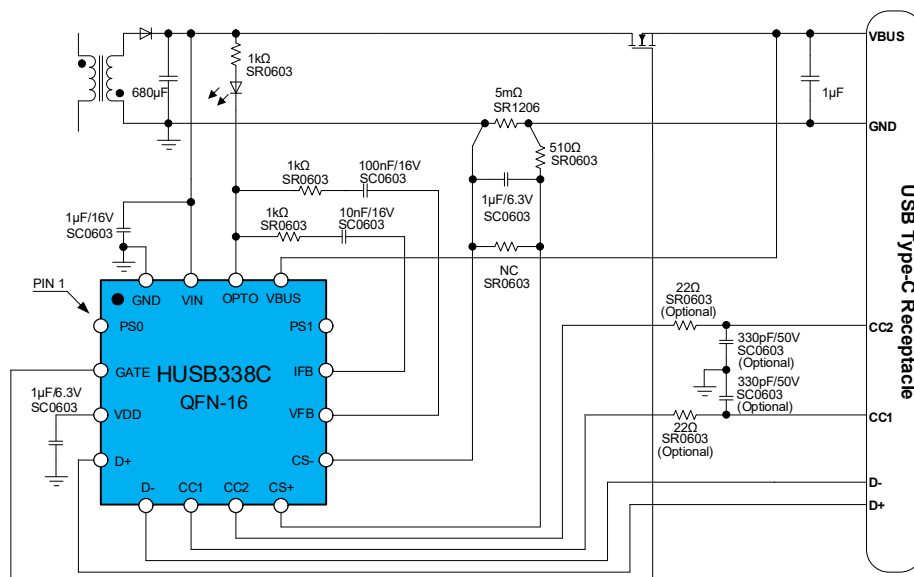


Figure 1. Typical Application Circuit