

FEATURES

- USB Type-C 2.1 and USB PD3.1 Compliant
 - Support 5 V, 9 V, 12 V, 15 V, 20 V FPDOS
 - Support 2 programmable APDOs
- Integrated VBUS Power Path Switch
- Support Constant Voltage Loop(CV)
- Multiple Cable Compensation Options
- Integrated OVP, UVP, UVLO, OCP, FOCV and TSD Protections
- SOP-8L package
- ± 2 kV HBM ESD Rating for USB IO Pins

APPLICATIONS

Power Adaptors

TYPICAL APPLICATION CIRCUIT

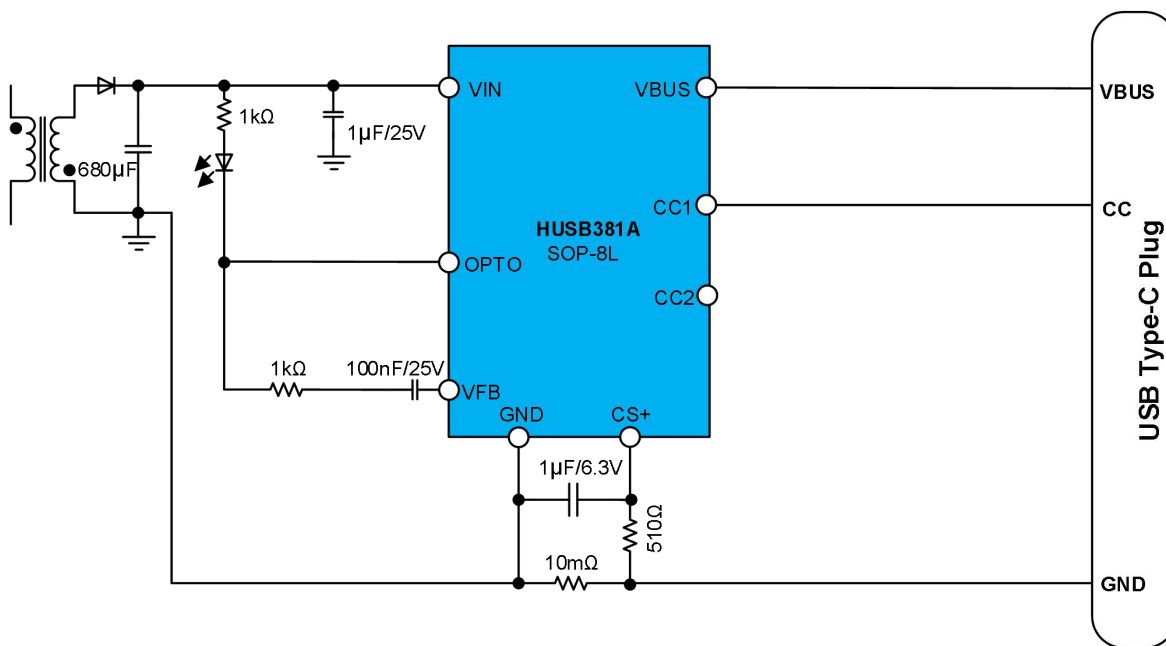


Figure 1. Typical Application Circuit

GENERAL DESCRIPTION

The **HUSB381A** is designed for a USB type C PD product. It can support 5 FPDOS with programmable voltage and current for different applications and 2 APDOs for PPS options. All of PDOs are fully compliant with PD3.1 Rev.1.8 specs.

It integrates an N-MOSFET to enable the power path from VBUS to VIN. Once there is any fault triggered, the **HUSB381A** can turn off the power path and protect the connected device.

The quiescent current of the **HUSB381A** is only 0.5 mA.

It is available in SOP-8L package.