

### FEATURES

- USB-IF certified
- TID: 3666
- Standalone USB Power Delivery (PD) sink controller
- Legacy charging sink
- Apple divider 3 detection
- BC1.2 SDP, CDP and DCP detection
- Dead battery function
- SOP' communication function
- 3V to 25V operation range
- 30V voltage rating on VIN and GATE pins
- 25V voltage rating on CC1 and CC2 pins
- I<sup>2</sup>C access for monitoring and advanced settings
- Integrated PMOS driver
- VBUS over-voltage protection (OVP) and under-voltage protection (UVP)
- Over-temperature protection (OTP) with programmable thresholds
- Low power consumption

### APPLICATIONS

- PD sink devices
- USB-C cables
- Wireless charger

### GENERAL DESCRIPTION

The HUSB238 is a highly integrated USB Power Delivery (PD) controller as sink role for up to 100W power rating.

The HUSB238 is compatible with PD3.0 and Type-C V1.4, and it can also support Apple Divider 3, BC1.2 SDP, CDP and DCP while the source is attached.

The HUSB238 can be used in electronic devices that have legacy barrel connectors or USB micro-B connectors for power such as IoT (Internet of Things) devices, wireless charger, drones, smart speakers, power tools, and other rechargeable devices.

The HUSB238 is available in 3mm x 3mm DFN-10L package options.

### TYPICAL APPLICATION CIRCUIT

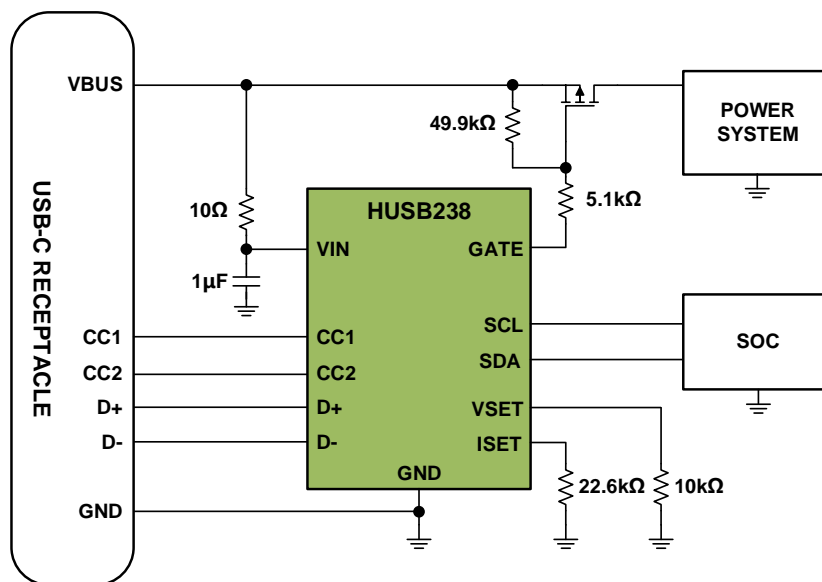


Figure 1. Typical Application Circuit