



PL2887

USB Type-C Charging Controller

Overview

The PL2887 is USB Type-C DFP charging controller, used for advertise Type-C current through CC1/CC2 pins. In addition, the PL2887 also provide the conventional USB Battery Charging Specification Rev.1.2 (BC1.2), Divider mode and 1.2V mode to comply with the legacy fast charging mode of mobile devices.

The PL2887 built-in a gate driver to turn on the external power MOSFET of VBUS when the device attached, and implement the discharging circuit when detached.

Features

- Compliant with USB Type-C Specification Rev.1.1 DFP mode.
- Type-C current 3A advertisement through CC1/CC2 pins.
- Compliant with USB Battery Charging Specification Rev.1.2.
- Support Apple Divide mode. (2.4A)
- Support Samsung 1.2V mode.(2.1A)
- Support Chinese Telecommunications Industry Standard YD/T 1591-2009.
- Built in gate driver for VBUS power MOSFET.
- Discharging VBUS when CC1/CC2 detached.
- HBM> 8KV, MM>400V.
- SOT23 8-pin package.

