



UPD301B Basic Source Application Example

Part Number: EV56W72A

- UPD301B Standalone PD Controller
- Single USB-C Source-only port (no data)
- Power supply control in GPIO mode using "One Hot" methodology (module included)
- Power Supply control in I2C control mode
- Voltage meter LEDs: 5V, 9V, 15V, 20V
- Test point for System Input Voltage
- Test point USB-C Vbus
- Atmel ICE Programming and I C Headers

Overview

The UPD301B Basic Source Application Example Evaluation Kit is a low-cost evaluation platform for Microchip's UPD301B programmable, standalone, Source-Only USB Power Delivery (PD) Controller. This RoHS compliant evaluation platform comes in a small form factor and adheres to the USB Type-C™ Connector Specification and USB PD 3.0 specification.

Powered by Microchip's versatile USB Power Delivery Software Framework (PSF), this evaluation platform provides a quick and easy way of incorporating a single source-only USB PD port capable of providing up to 100W of power in any application. This application example supports up to seven configurable Power Delivery Objects (PDOs) including Augmented PDOs (APDOs) for Programmable Power Supply (PPS) applications. The platform can also support unique custom PDOs with the additional configuration of the PSF PD stack if required.

The UPD301B Basic Source Application Example reduces the overall time-to-market for a range of consumer and industrial applications by providing full control of the software to the end-user.