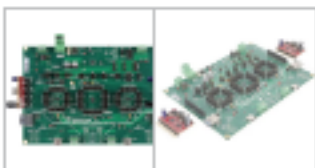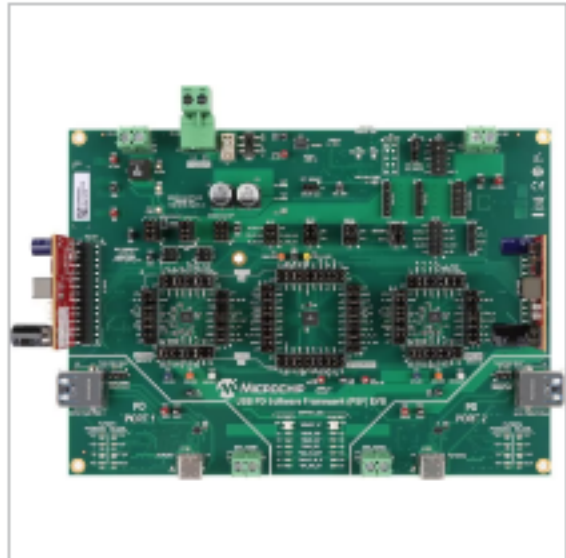MICROCHIP

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Part Number: EV65D44A

USB POWER DELIVERY SOFTWARE FRAMEWORK EVALUATION KIT ☆

- ATSAMD20E16A Micro-controller for running PD software stack
- Two UPD350 Type-C™ PD Transceivers for managing the PD ports
- Two full-featured Type-C™ USB PD ports with data capable of handling up to 100W
- Supports PD Source, PD Sink, and Dual Role operation

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Overview

The USB Power Delivery Software Framework Evaluation Kit is a full-featured hardware development platform for evaluating Microchip's **USB Power Delivery Software Framework (PSF)**. This RoHS-compliant development platform uses Microchip's **SAMD20** series micro-controller and **UPD350** Type-C™ USB Power Delivery (PD) Transceiver. It also supports Microchip's PD3.0 compliant **UPD301B/C** standalone Type-C™ PD controller. Powered by the highly configurable PSF software stack, this kit can enable enable both simple designs for quick time to market and unique designs for a differentiated customer experience.

The PSF software stack is a full featured PD3.0 implementation. Software registers enable customization of virtually all features. Status registers provide a method of reporting to host software applications, which can run co-resident with PSF or on an external system controller. Control registers allow modification of stack operation based on system requirements. This allows designers to create a unique customer experience and differentiates products from other PD implementation. Flexibility in I/O assignment and I2C commands insure compatibility with a large range of power supply architectures.

Package Contents

- One USB Power Delivery Software Framework Evaluation Board (EVB-PSF)
- Two vertical mount One-Hot PM-PDs (PMPD-VM-HOT)

All Application Notes

Documentation

Title ⇅		
EV65D44A PMPD Gerber files	⬇ Download	☆
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Software

Title ⇅	Date	
USB Power Delivery Software Framework (PSF)	01 Jan 1970	🔗 Link

Conformity Documents

Title	
Declaration of Conformity [EV65D44A]	⬇ Download
EU REACH SVHC Listed [EV65D44A]	⬇ Download

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