EVKT-8847 Product Brief

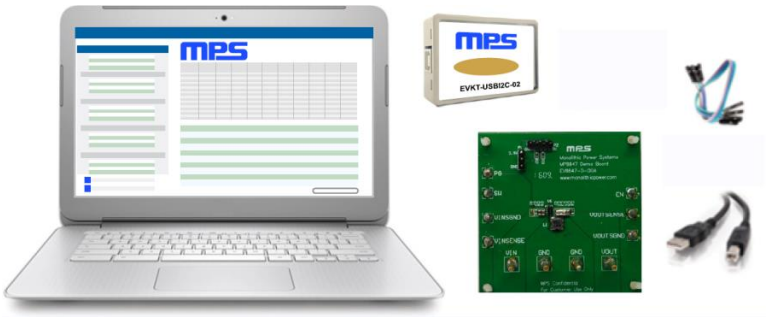
MP8847 Evaluation Kit

6A, 2.7V-6V, High-Efficiency, Synchronous, Step-Down Converter

The MP8847 is a highly integrated, high-frequency, synchronous, step-down switcher with an I2C control interface. The MP8847 can support up to 6A of load current over an input supply range from 2.7V to 6V with excellent load and line regulation.

Highly customizable, the MP8847 is capable of supporting a diverse array of low-voltage applications. Users can program it via an MPS I2C GUI; however, changes made in I2C mode will not be retained once the EVB is powered down.

The EVKT8847 is a valuable evaluation tool well-suited for all types of experience levels, from beginner to expert, and can help users quickly determine if the MP8847 is right for their target application.



*Laptop not included

Kit Contents

- EV8847 Evaluation Board (EV8847-D-00A)
- Communication interface with accessories (EVKT-USBI2C-02)
  - USB-to-I2C communication interface
  - Ribbon cable and USB cable

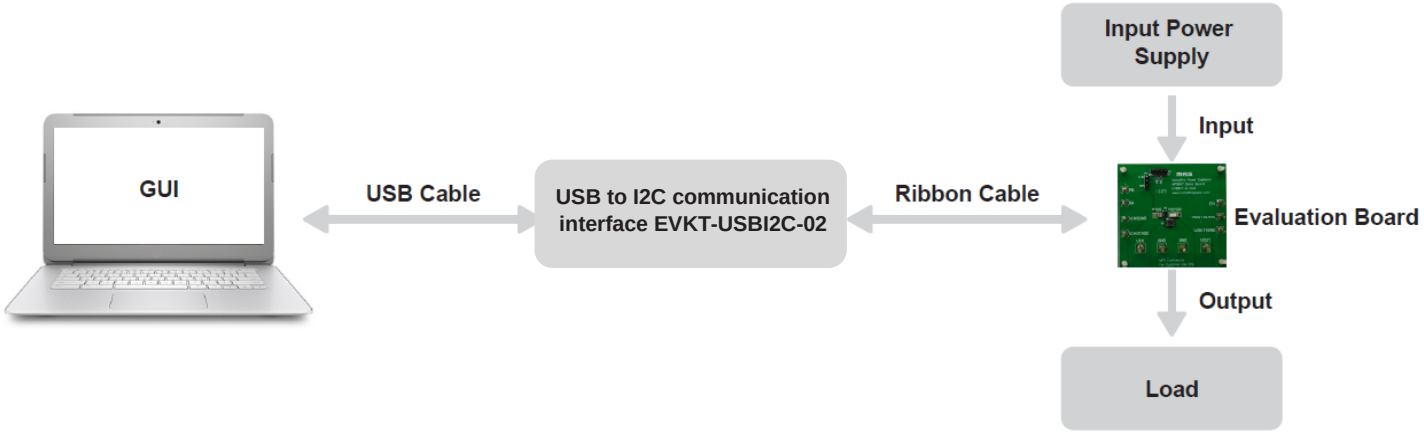
**GUI installation file and supplemental documents can be downloaded from the MPS website*

Feature	Specification
Supply for Board	2.7V - 6V
Operating Input Voltage	2.7V - 6V
Operating Systems Supported	Windows XP, 7, and later
System Requirements	Minimum 22.2 MB free
GUI Software	3 Register Controls: VSEL, System 1, System 2
EVB Size (L x W)	6.3 cm x 6.3 cm

Quick Start (Refer to user guide for more details.)

1. Install the GUI software.
2. Use the provided ribbon cable to connect the EVB and the USB to I2C communication interface.
3. Preset the power supply output to between 2.7V and 6V and connect the EVB.
4. Connect the dongle to the PC and turn the power supply on and make EN voltage more than threshold.
5. Open the GUI software and program as needed.

**Kit offers rapid application assessment and requires minimal external components*



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