EVKT-8867 Product Brief

MP8867 Evaluation Kit

17V, 8A, High-Efficiency, Synchronous, Step-Down Converter

The MP8867 is a high-frequency, synchronous, rectified, step-down, switch-mode converter with an I²C control interface. The MP8867 achieves 8A of output current with excellent load and line regulation over a wide input supply range.

Highly customizable, the MP8867 is capable of supporting a diverse array of low-voltage applications. Users can program it via the MPS I²C GUI; however, changes made in I²C mode will not be retained once the EVB is powered down.

The EVKT8867 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 MP8867 is right for their target application.

*Laptop not included

Kit Contents

- EV8867 evaluation board (EV8867-LE-00A)
- Communication interface with accessories (EVKT-USBI2C-02)
  - USB-to-I2C communication interface
  - Ribbon cable and USB cable

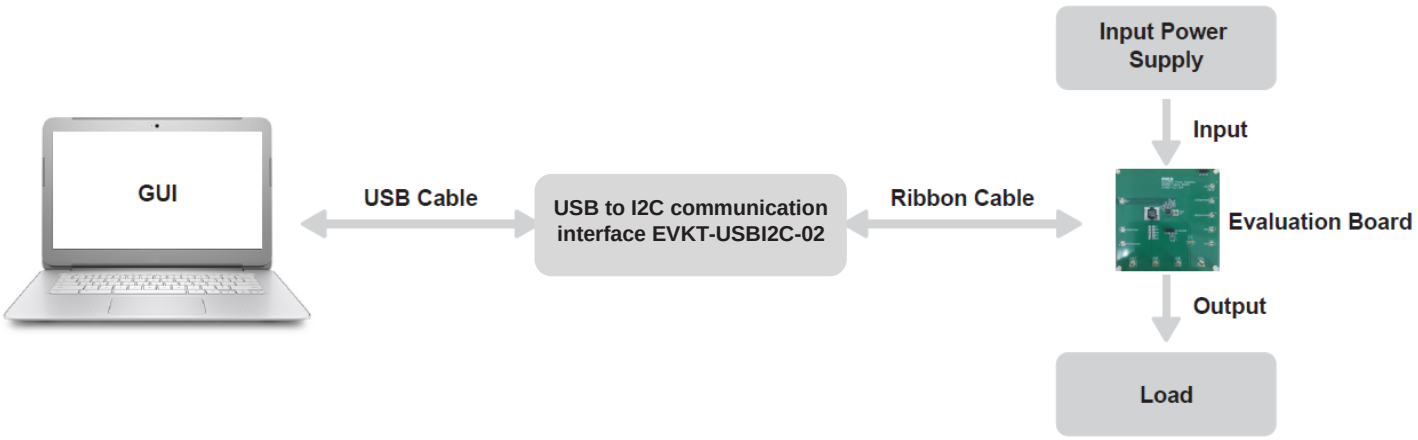
**GUI installation file and supplemental documents can be downloaded from the MPS website*

Feature	Specification
Supply for Board	4.5V to 17V
Operating Input Voltage	4.5V to 17V
Operating Systems Supported	Windows XP, 7, and later
System Requirements	Minimum 22.2 MB free
GUI Software	2 register controls: VSEL, System
EVB Size (LxW)	8.5cmx8.5cm

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 the I²C communication interface.
3. Preset the power supply output between 4.5V and 17V, then connect the EVB.
4. Connect the communication interface to the PC and turn the power supply on.
5. Open the GUI software and program as needed.

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



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