EVKT-8869S Product Brief

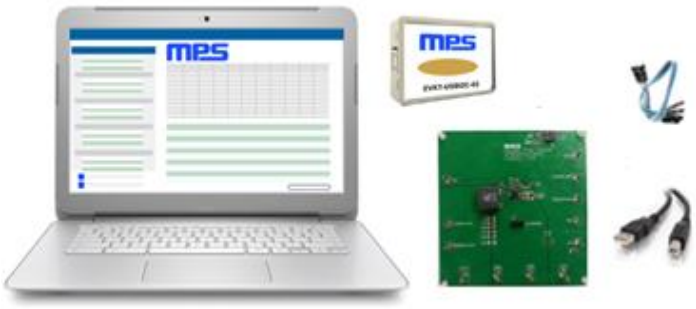
MP8869S Evaluation Kit

18V, 12A, High-Efficiency, Wide-Input, Synchronous, Step-Down Converter

The MP8869S is a high-frequency, synchronous, rectified, step-down, switch-mode converter with an I²C control interface. The MP8869S offers a fully integrated solution that achieves 12A of continuous current and 15A of peak output current with excellent load and line regulation over a wide input supply range.

Highly customizable, the MP8869S 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 EVKT8869S is a valuable evaluation tool well-suited for all experience levels, from beginner to expert, and can help users quickly determine if the MP8869S is right for their target application.



*Laptop not included

Feature	Specification
Supply for Board	2.85V to 18V
Operating Input Voltage	2.85V to 18V
Operating Systems Supported	Windows XP, 7, and later
System Requirements	Minimum 22.2MB free
GUI Software	3 register controls: VSEL, System1, System2
EVB Size (LxW)	8.5cmx8.5cm

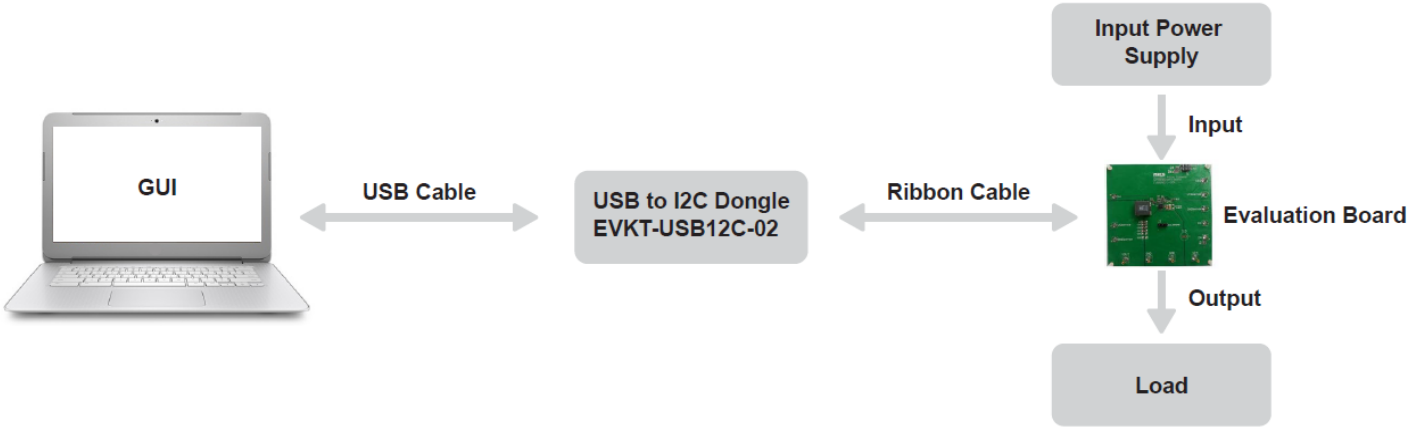
Kit Contents

- EV8869S evaluation board (EV8869S-L-00A)
- Communication interface with accessories (EVKT-USBI2C-02)
  - USB to I²C communication interface
  - Ribbon cable & USB cable

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 2.85V and 18V, 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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