EVKT-8869W Product Brief

MP8869W Evaluation Kit

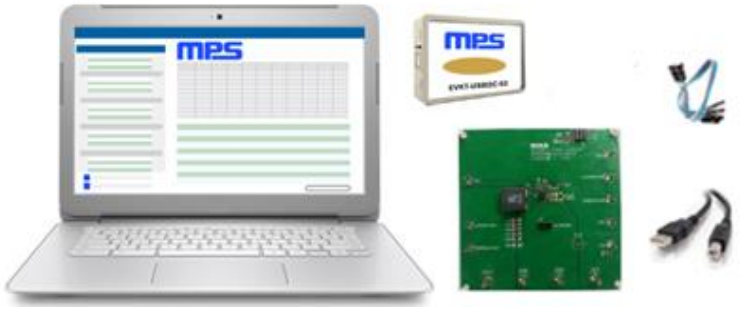
3V-18V, 12A, High-Efficiency, Wide-Input, Synchronous, Step-Down Converter

NOT RECOMMENDED FOR NEW DESIGNS, REFER TO EVKT-8869S PRODUCT BRIEF

The MP8869W is a high-frequency, synchronous, rectified, step-down, switch-mode converter with an I²C control interface. The MP8869W offers a fully integrated solution that achieves 12A of continuous and 15A of peak output current with excellent load and line regulation over a wide input supply range.

Highly customizable, the MP8869W is capable of supporting a diverse array of 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 EVKT8869W is a valuable evaluation tool suited for all experience levels, from beginner to expert, and can help users quickly determine if the MP8869W is right for their target application.



*Laptop not included

Feature	Specification
Supply for Board	3V to 18V
Operating Input Voltage	3V 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

- EV8869W evaluation board (EV8869W-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 3V 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.*