EVKT-MP5470 Product Brief

MP5470 Evaluation Kit

4V-16V, 20A, Power Management IC with Four Buck Converters

The MP5470 is a complete power management IC that integrates four high-efficiency, step-down, DC/DC converters and a flexible logic interface.

Highly customizable, the MP5470 is capable of supporting a diverse array of low-voltage applications. Users can program it via the I2C interface and multi-time programmable (MTP) eFuse. Please note that changes made in I2C mode will not be retained once the EVB is powered down.

The EVKT-MP5470 is a valuable evaluation tool well suited for all levels of experience, from beginner to expert, and can help users quickly determine if the MP5470 is right for their target application.

*Laptop not included

Kit Contents

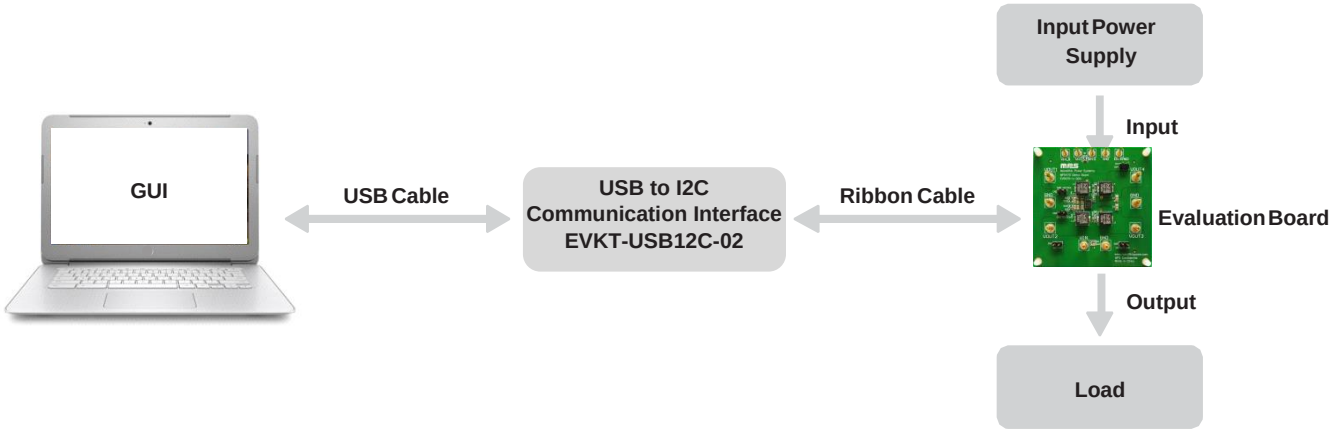
- MP5470 evaluation board (EV5470-L-00A)
- Communication interface with accessories (EVKT-USBI2C-02)
  - USB to I2C communication interface
  - Ribbon cable and USB cable
- Two MTP MP5470 ICs (MP5470GL-0000)
- USB thumb drive that stores GUI installation file and supplemental documents

Feature	Specification
Supply for Board	6.5V - 16V
Operating Input Voltage	4V - 16V
Operating Systems Supported	Windows XP, 7or later
System Requirements	Minimum 14.6 MB free
GUI Software	3 Register Controls: MTP Configure, BUCKCTRL, SYSCTRL
EVB Size (L x W)	6.35 cm x 6.35 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 6.5V and 16V and 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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