


MCP16361 Evaluation Board

Part Number: EV27C97A

Summary:

The MCP16361/2/3 can regulate the output voltage over a wide 2V to 20V range, and typically can deliver over 3A of load current at 3.3V output, when supplied from a 12V input. The maximum input voltage range is 4V to 48V. The regulated voltage (VOUT) should be lower than the input voltage (VIN). [View More](#)



 Documents and Software

 Overview

 Features

 Additional Resources

 Related Tools

Product Features

The MCP16361 Evaluation Board has the following features:

- Input Voltage Range (VIN): 4V – transient up to 48V
- Output Voltage: 3.3V
- Output current: typically, 3A @ 3.3V Output, 12V Input
- Automatic PFM/PWM Operation for MCP16361
- PWM Switching Frequency: 2.2 MHz
- Low Device Shutdown Current: 5 μ A typical
- Low Device Quiescent Current: 20 μ A typical (not switching)
- Integrated N-channel Buck Switch ON state resistance: 100 m Ω
- Internal Compensation
- Internal Soft Start
- Internal bootstrap diode
- Internal Current limit
- Power Good Output
- Overtemperature protection (if the die temperature exceeds 155°C, with 25°C hysteresis)



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