MCP1601 Buck Regulator Evaluation Board

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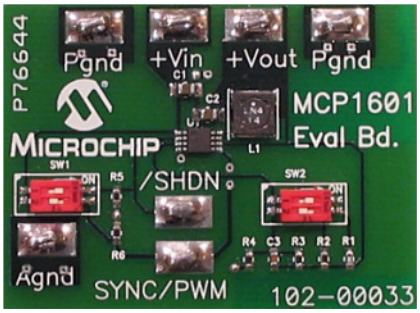
Part Number: MCP1601EV

Devices Supported: MCP1601

Summary Description:

The MCP1601 Buck Regulator Evaluation Board demonstrates Microchip's MCP1601 Synchronous Buck Regulator, developed for battery powered applications as well as distributed power applications. The MCP1601 Evaluation Board is capable of operation over the entire 2.7V to 5.5V input range of the MCP1601 device. Two 2-position DIP switches are used, one to select the output voltage (1.8V, 2.05V, 2.45V or 3.28V) and one that turns the MCP1601 on and off with the other position selecting the mode of operation (PWM-pulse width modulation or PFM-pulse frequency modulation). Surface mount test points are used to apply power and load in addition to probing several points in the test circuit.



Features:

- Operates over a 2.7V to 5.5V input range while delivering 500 mA of output current
- One of four output voltages can be selected using the on-board switch
- Low noise fixed frequency PWM operation and light load PFM mode operation can be selected using the on board switch
- External frequency synchronization can be implemented using a 1 MHz external clock source
- ON/OFF switch for evaluating startup and shutdown operation

Downloads

Title	Date Published	Size	D/L
Analog & Interface Product Selector Guide	10/31/2011 11:27:07 AM	595 KB	
MCP1601 Buck Regulator Evaluation Board Gerbers	1/11/2006 1:57:00 PM	81 KB	
MCP1601 Datasheet	3/19/2003 12:00:00 AM	697 KB	
MCP1601 Evaluation Board (Rev.1) User's Guide	10/1/2004 4:49:00 PM	225 KB	
Quick Guide to Microchip Development Tools	3/4/2011 10:09:50 AM	582 KB	

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