

MCP1650 Boost Controller Eval Board

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Part Number: MCP1650EV

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The MCP1650 Boost Controller Evaluation Board demonstrates Microchip Technology's MCP165X Boost Controller product family in two high-power, boost-converter applications. The first application features the MCP1651 (8-pin MSOP) with the low battery detect feature and provides a regulated 5V output with an input voltage range of 2.8V to 4.8V. The second application uses the MCP1653 (10-pin MSOP), with both low battery detect and power good features. The input voltage for this application is 3.3V, with the output boosted to 12V.



Features

Package Contents

- MCP1651 in a boost application configured in Bootstrap mode. This application circuit regulates the output to 5V while delivering 1A of current as the input voltage varies from 2.8V to 4.8V.
- MCP1653 in a boost application configured in non-Bootstrap mode. This application circuit regulates the output voltage to 12V while delivering 400 mA of output current as the input voltage varies from 3.0V to 3.6V.

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Documents	Last Updated	Size	
MCP1650/51/52/53 Data Sheet	2/5/2013 2:34:10 PM	458KB	
MCP1650 Boost Controller Evaluation Board Gerbers	1/6/2006 9:27:43 AM	770KB	
MCP1650 Evaluation Board User's Guide	8/31/2005 1:32:04 PM	343KB	