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MCP1630 1A Bias Supply Demo Board [Buy it Now](#)

Part Number: MCP1630DM-DDBK1

Devices Supported: MCP1630

Summary Description:

The MCP1630 1A Bias Supply Demo Board is used to evaluate Microchip's MCP1630 used in a SEPIC power converter application. The MCP1630 1A Bias Supply Demo Board is capable of providing a regulated output from an input voltage of 9V. The regulated output voltage is selectable at 3.3V or 5V. The regulated output remains constant for an output load range of 0A to 1A. An LED indicates the presence of output voltage.



Features:

- Selectable Regulated Output Voltage: 3.3V or 5.0V
- Maximum Output Current: 1A
- Fold-back Current Limiting
- Cycle-by-cycle Peak Current Limit.
- Output Present Indicator
- Soft-Start capability by holding the reference voltage low during power up.
- The MCP1630 1A Bias Supply Demo Board has the flexibility to modify the regulated output voltage, optimize the soft-start time, or disable the output by modifying the firmware contained in the PIC10F200.
- Proprietary features can be added by modifying the firmware contained in the PIC10F200.
- The factory programmed source code is available.

Downloads

Title	Date Published	Size	D/L
Analog & Interface Product Selector Guide	10/31/2011 11:27:07 AM	595 KB	
MCP1630 1A Bias Supply Demo Board Firmware	1/11/2006 3:45:00 PM	11 KB	
MCP1630 1A Bias Supply Demo Board Gerbers	1/11/2006 3:47:00 PM	35 KB	
MCP1630 1A Bias Supply Demo Board User's Guide	7/1/2005 9:30:00 AM	324 KB	
MCP1630/MCP1630V Data Sheet	6/24/2005 3:58:00 PM	338 KB	
Quick Guide to Microchip Development Tools	3/4/2011 10:09:50 AM	582 KB	