

My products
No Products in your history

My technical documents
No documents in your history

My searches
No Searches in your history

TI Home > Semiconductors > Power Management > BQ2002 Evaluation Module for NiCd/NiMH, Linear with -dV or Peak Voltage Detect

Worldwide (In English)

BQ2002 Evaluation Module for NiCd/NiMH, Linear with -dV or Peak Voltage Detect

(ACTIVE) DV2002L2

[Description & Features](#)

[Technical Documents](#)

[Support & Community](#)

[Order Now](#)

Key Document

[DV2002L2/TL2 Fast Charge Development System Control of LM317 Linear Regulator \(Rev. B\)](#) (PDF 128 KB)
24 Nov 2010 922 views [Read Abstract](#)

[View All Technical Documents \(2\)](#)

Description

[View DV2002L2 Graphic](#)

The DV2002L2 Development System provides a development environment for the bq2002 Fast-Charge ICs. The DV2002L2 incorporates a bq2002 and a linear regulator to provide fast charge control for 4 to 10 NiMH cells.

The fast charge is terminated by any of the following: -delta V/peak voltage, maximum temperature, maximum time, and inhibit command for the bq2002. Jumper settings select the top-off and maximum time limits.

The user provides a power supply and batteries. The user configures the DV2002L2 for the number of cells and maximum charge time (with or without toff).

Please review the bq2002 data sheet before using the DV2002L2 board.

Features

- bq2002 fast-charge control evaluation and development
- Charge current sourced from an on-board linear regulator (up to 1.5A)
- Fast charge of 4, 5, 6, 8, and 10 NiCd or NiMH cells (contact Benchmarq for other cell counts)
- Fast-charge termination by negative delta voltage or peak voltage detect
- Maximum temperature and maximum time safety terminations
- -Delta V/peak voltage detect, hold-off, top-off, maximum time, and number of cells are jumper-configurable
- Inhibit fast charge by a logic-level input


Order Now

Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status	Lead-Free	RoHS	REACH	WEEE	HI-V (>50VRMS/75 VDC)	CE	CE-EMC	CE-RTTE/LVD	FCC	Batteries	Enclosure	Ext Power Supply
DV2002L2: BQ2002 Evaluation Module for NiCd/NiMH, Linear with -dV or Peak Voltage Detect	\$99.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Pricing may vary. Buy from distributor	ACTIVE	Yes	Yes	Yes	NA	NA	NA	NA	NA	NA	No	No	No

Contact a Distributor

Technical Documents

Datasheet (1)

Title	Abstract	Type	Size (KB)	Date	Views
 NiCd/NiMH Fast-Charge Management ICs (Rev. D)		PDF	548	20 Apr 2009	

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views	TI Recommends
 DV2002L2/TL2 Fast Charge Development System Control of LM317 Linear Regulator (Rev. B)	Read Abstract	PDF	128	24 Nov 2010	922	✓

Related Products

TI Devices (1)


Part Number	Name	Product Family
BQ2002	NiCd/NiMH Charge Controller with Negative dV and Peak Voltage Detection Termination	Battery Management Products

Support and Community

Wikis

[Visit the TI Wiki](#)

TI E2E™ community



As a member of [my.TI](#) you can join the [TI E2E™ Community](#) where you can ask questions, share ideas and collaborate with fellow engineers and TI experts

Contents are provided "AS IS" by the respective TI and Community contributors and do not constitute TI specifications. See [Terms of use](#).

Engage in the Community

- [Amplifiers](#)
- [Broadband RF/IF & Digital Radio](#)
- [Clocks & Timers](#)
- [Data Converters](#)
- [DLP® & MEMS](#)
- [Interface](#)
- [Logic](#)
- [Power Management](#)
- [Wireless Connectivity](#)

Training & events

Name	Type	Available During
Georgia Tech MOOC: Control of Mobile Robots Learn how to make mobile robots move in effective, safe, predictable, and collaborative ways using modern control theory.	On-Line Training	On Demand
SimpleLink™ Wi-Fi CC3100 and CC3200 Project 0 Series - 5 Part Series Learn about using Software Tools for SimpleLink™ Wi-Fi CC3100 Boosterpack and CC3200 Launchpad	On-Line Training	On Demand
TI-RTOS Update Learn about the latest TI-RTOS features and more in-depth understanding of this TI software tool.	On-Line Training	On Demand
Designing with Ultra Low Power Segmented Displays Learn about designing Ultra-low Power Segmented Displays and MSP430	On-Line Training	On Demand

[See more training & events](#) 

Customer Tags

No Tags are Available for this Part Number

[Create a Tag](#)

Other Support

- [TI E2E Community](#)
- [Contact Technical Support](#)

Your History

Products You Recently Viewed

There are no items in your history.

[Careers](#) | [Contact us](#) | [Corporate Citizenship](#) | [Investor Relations](#) | [Mobile apps](#) |  [Mobile site](#) | [myTI account](#) | [TI worldwide](#) | [Website feedback](#)



TI is a global semiconductor design and manufacturing company. Innovate with 100,000+ analog ICs and embedded processors, along with software, tools and the industry's largest sales/support staff.

© Copyright 1995-2015 Texas Instruments Incorporated. All rights reserved.
[Trademarks](#) | [Privacy policy](#) | [Terms of use](#) | [Terms of sale](#)