

bq2012 Evaluation System

Features

- bq2012 Gas Gauge IC evaluation and development system
- PC interface hardware for easy access to state-of-charge information via the serial port
- Alternative terminal block for direct connection to the serial port
- Battery state-of-charge monitoring for 5- to 10-cell (series) applications (2 user-selectable options for 3, 4, or greater than 10 cells)
- On-board regulator for greater than 4-cell applications
- State-of-charge information displayed on bank of 6 LEDs
- Nominal capacity jumper-configurable
- Cell chemistry jumper-configurable
- Display mode jumper-configurable

General Description

The EV2012 Evaluation System provides a development and evaluation environment for the bq2012 Gas Gauge IC. The EV2012 incorporates a bq2012, a sense resistor, and all other hardware necessary to provide a capacity monitoring function for 3 to 12 series NiCd or NiMH cells.

Hardware for a PC interface is included on the EV2012 so that easy access to the state-of-charge information can be achieved via the serial port of the bq2012. Direct connection to the serial port of the bq2012 is also made available for check-out of the final hardware/software implementation.

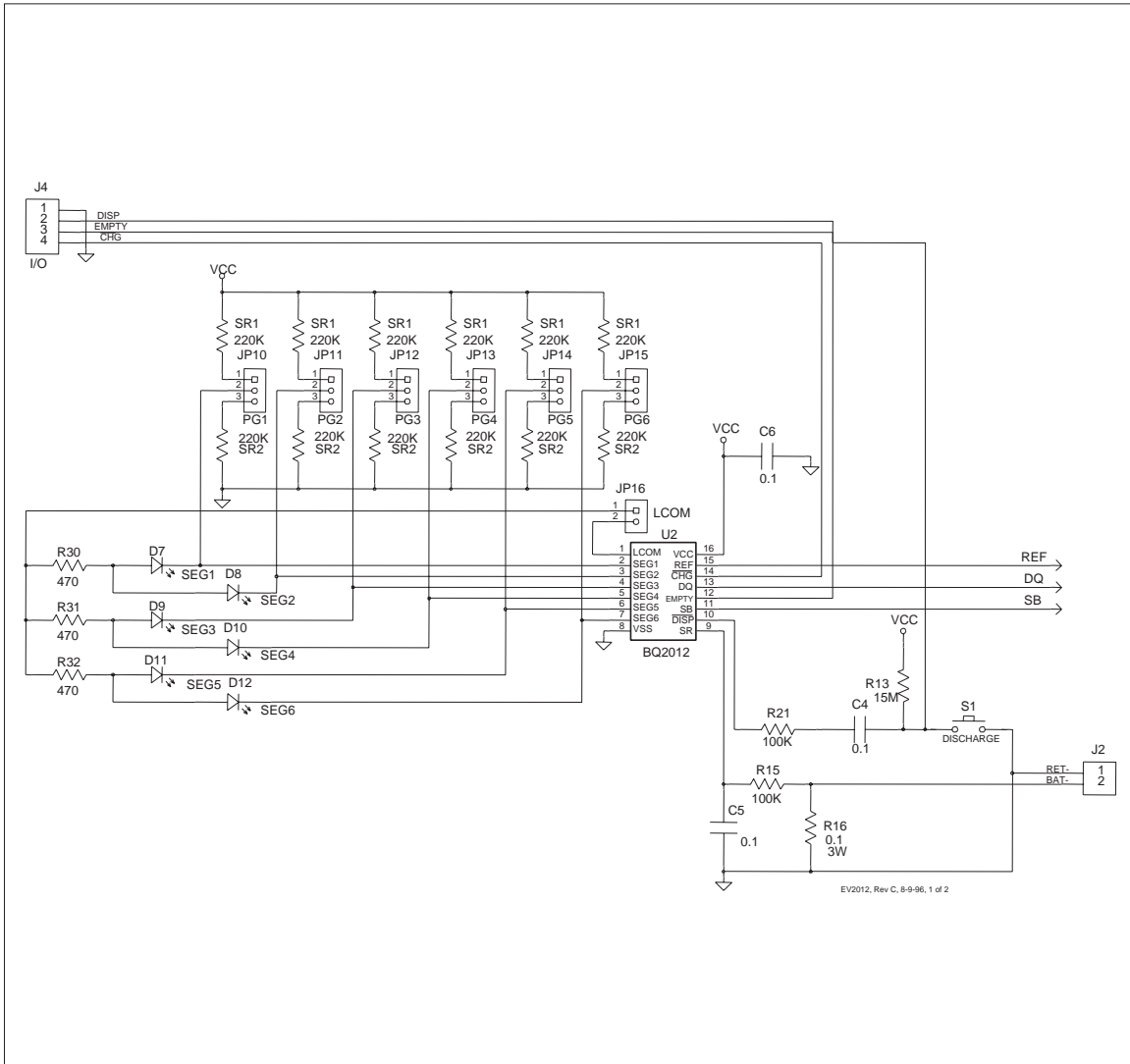


The menu-driven software provided with the EV2012 displays charge/discharge activity and allows user interface to the bq2012 from any standard DOS PC.

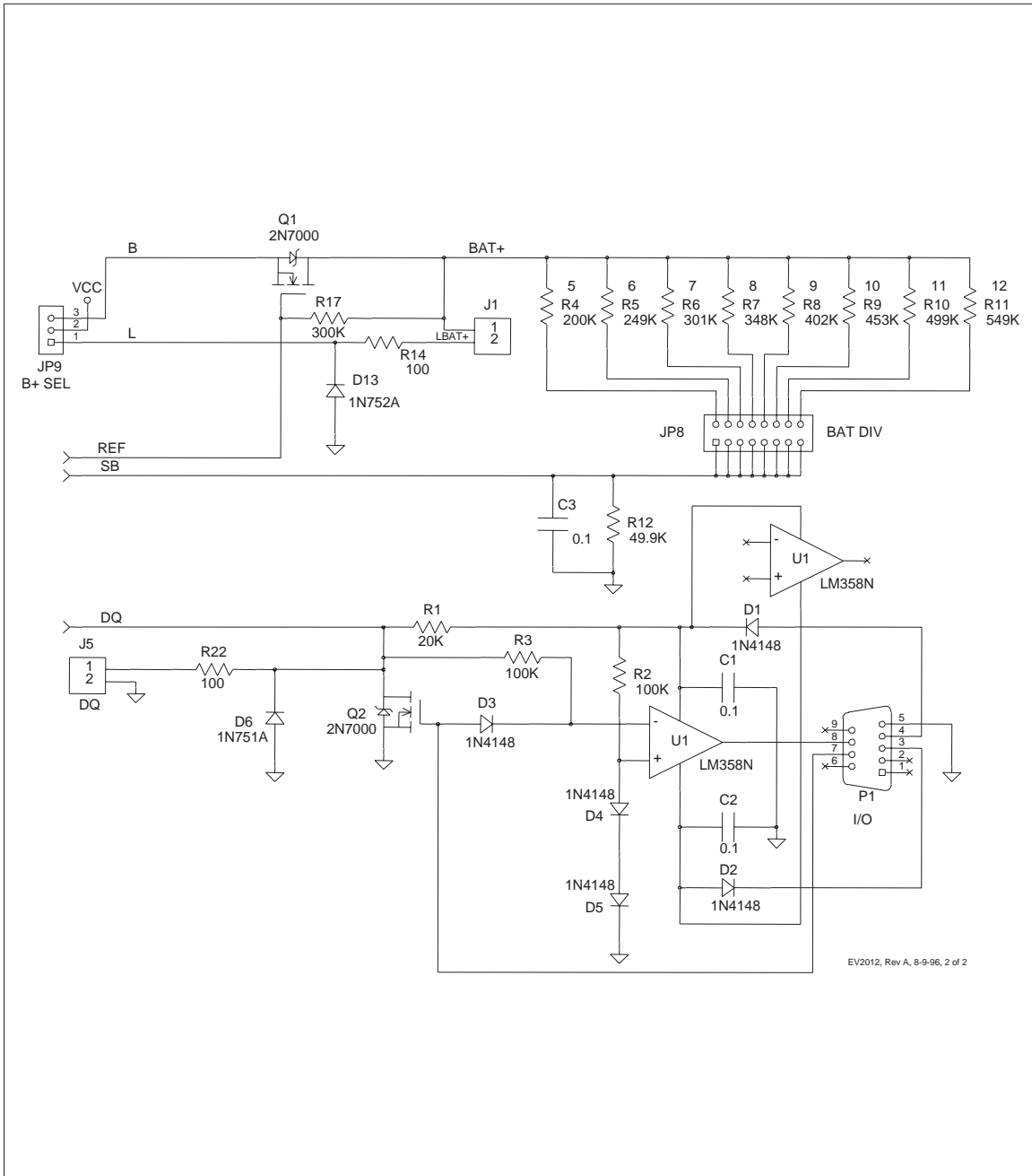
A full data sheet for this product is available on our web site (<http://www.benchmarq.com>), or you may contact the factory for one.

EV2012 Product Brief

EV2012 Board Schematic



EV2012 Board Schematic (Continued)



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Notes

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