BENCHMARQ

Product Brief **EV2010**

bq2010 Evaluation System

Features

- bq2010 Gas Gauge IC evaluation and development system
- PC interface hardware for easy access to state-of-charge information
- 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 EV2010 Evaluation System provides a development and evaluation environment for the bq2010 Gas Gauge IC. The EV2010 incorporates a bq2010, 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 EV2010 so that easy access to the state-of-charge information can be achieved via the serial port of the bq2010. Direct connection to the serial port of the bq2010 is also made available for check-out of the final hardware/software implementation.
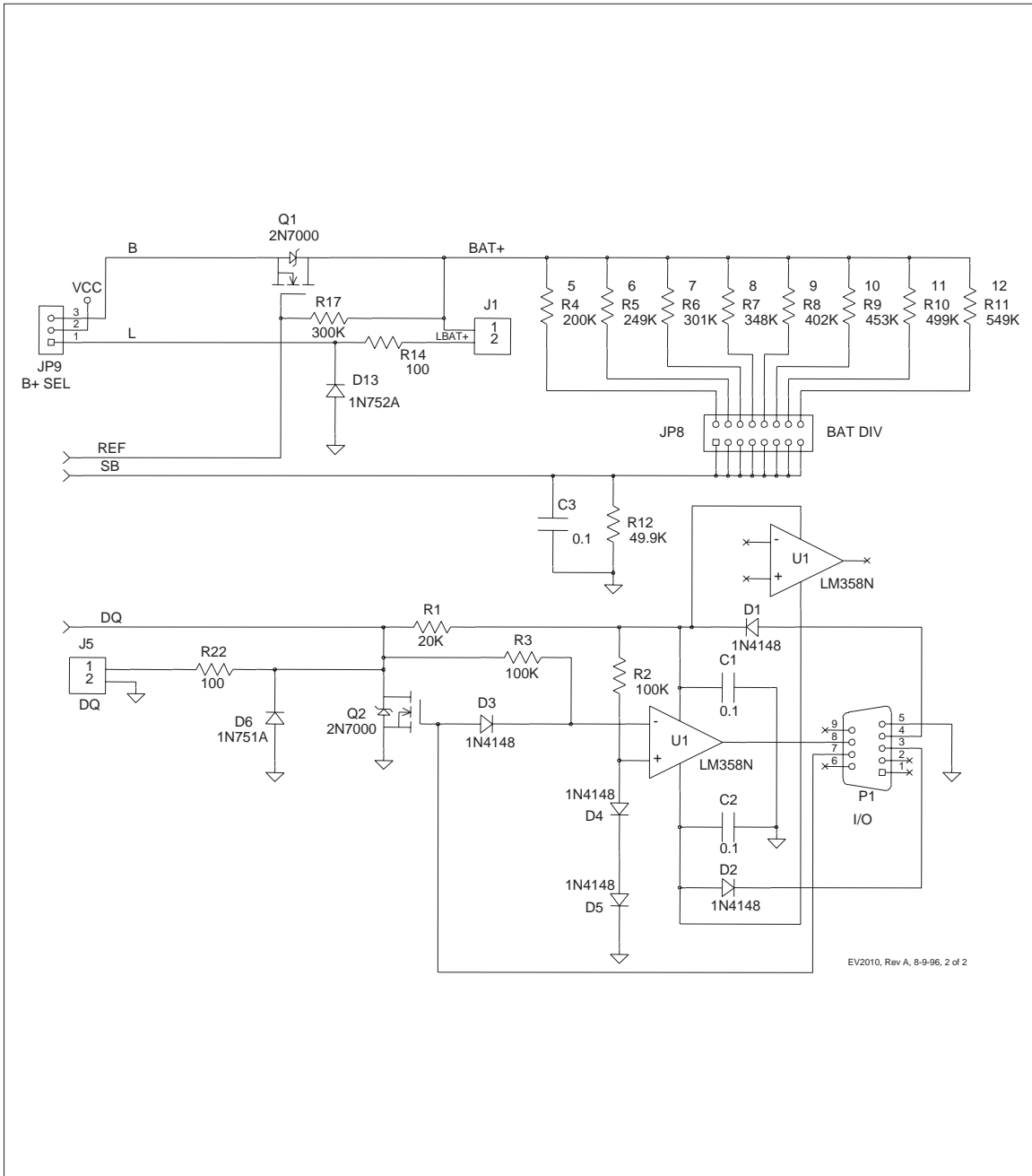

The menu-driven software provided with the EV2010 displays charge/discharge activity and allows user interface to the bq2010 from any standard DOS PC.

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.

EV2010 Board Schematic

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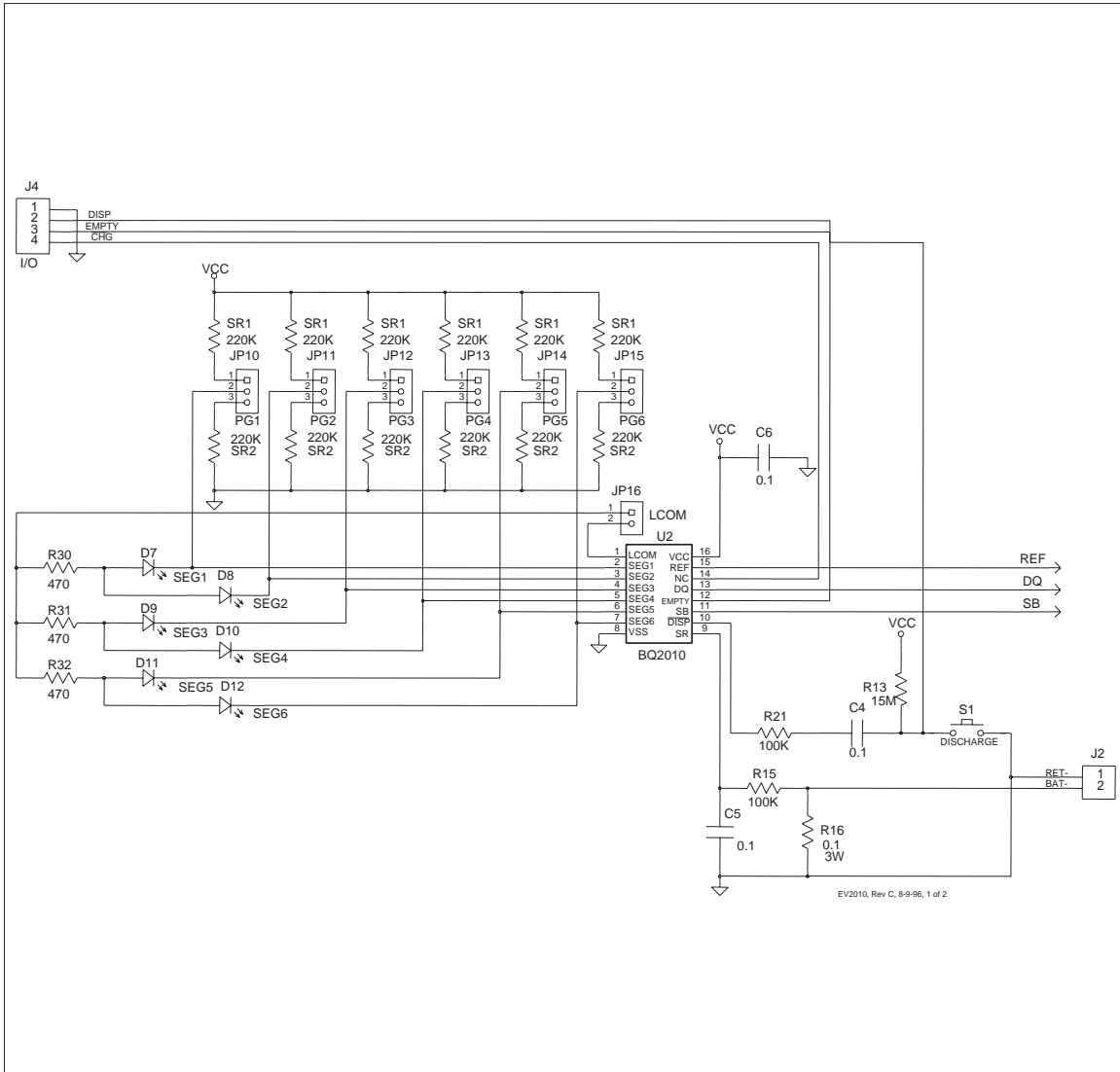
EV2010 Board Schematic (Continued)

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Notes

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