

**bq2014 Evaluation Board****Features**

- bq2014 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 5 LEDs
- Nominal capacity jumper-configurable
- Cell chemistry jumper-configurable

**General Description**

The EV2014 evaluation system provides a development and evaluation environment for the bq2014 Gas Gauge IC. The EV2014 incorporates a bq2014, a sense resistor, and all other hardware necessary to provide a capacity monitoring function for 3 to 12 series NiCd or NiMH cells.

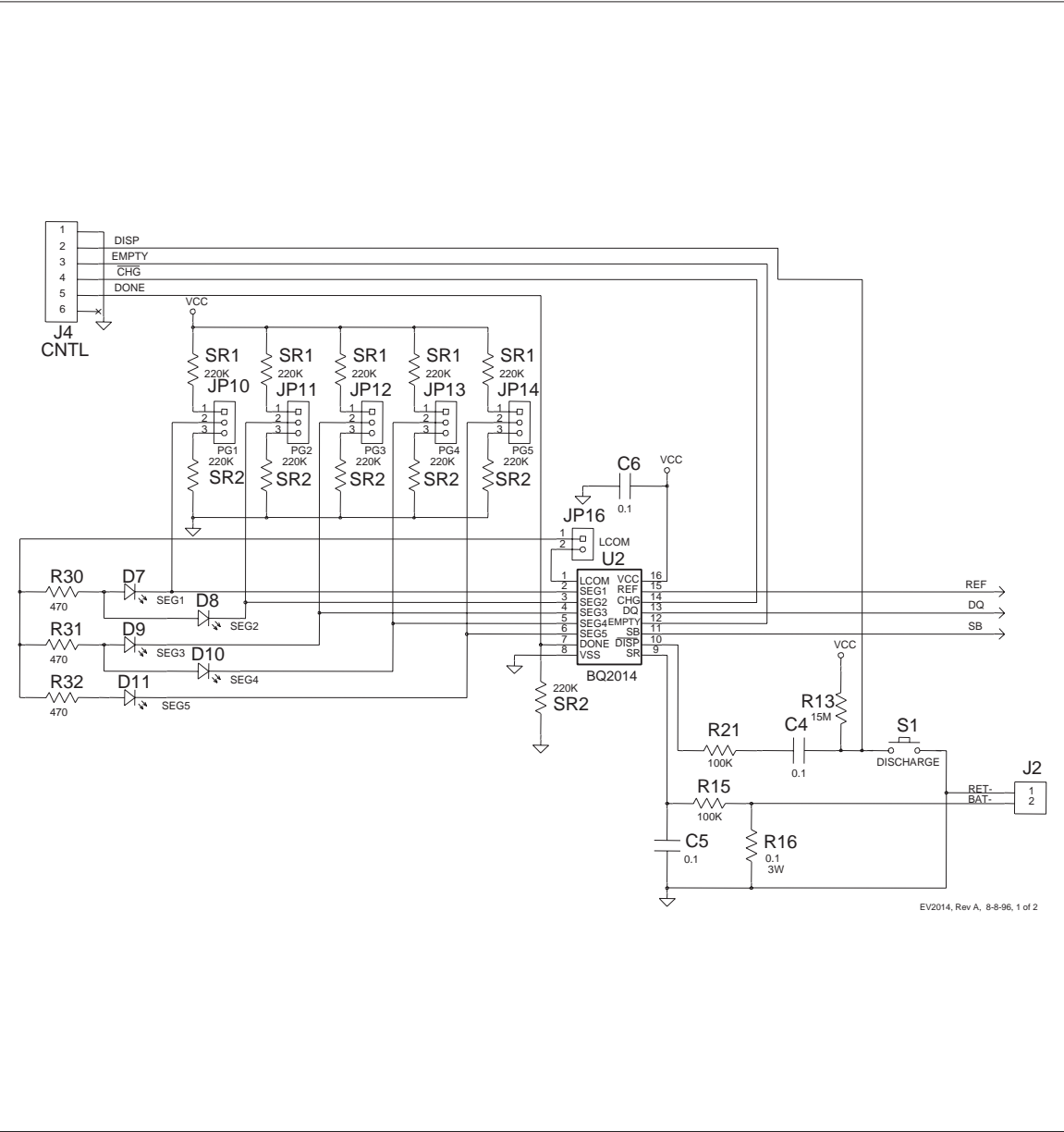
Hardware for an PC interface is included on the EV2014 so that easy access to the battery state-of-charge information can be achieved via the serial port of the bq2014. Direct connection to the serial port of the bq2014 is also made available for check-out of the final hardware/software implementation.



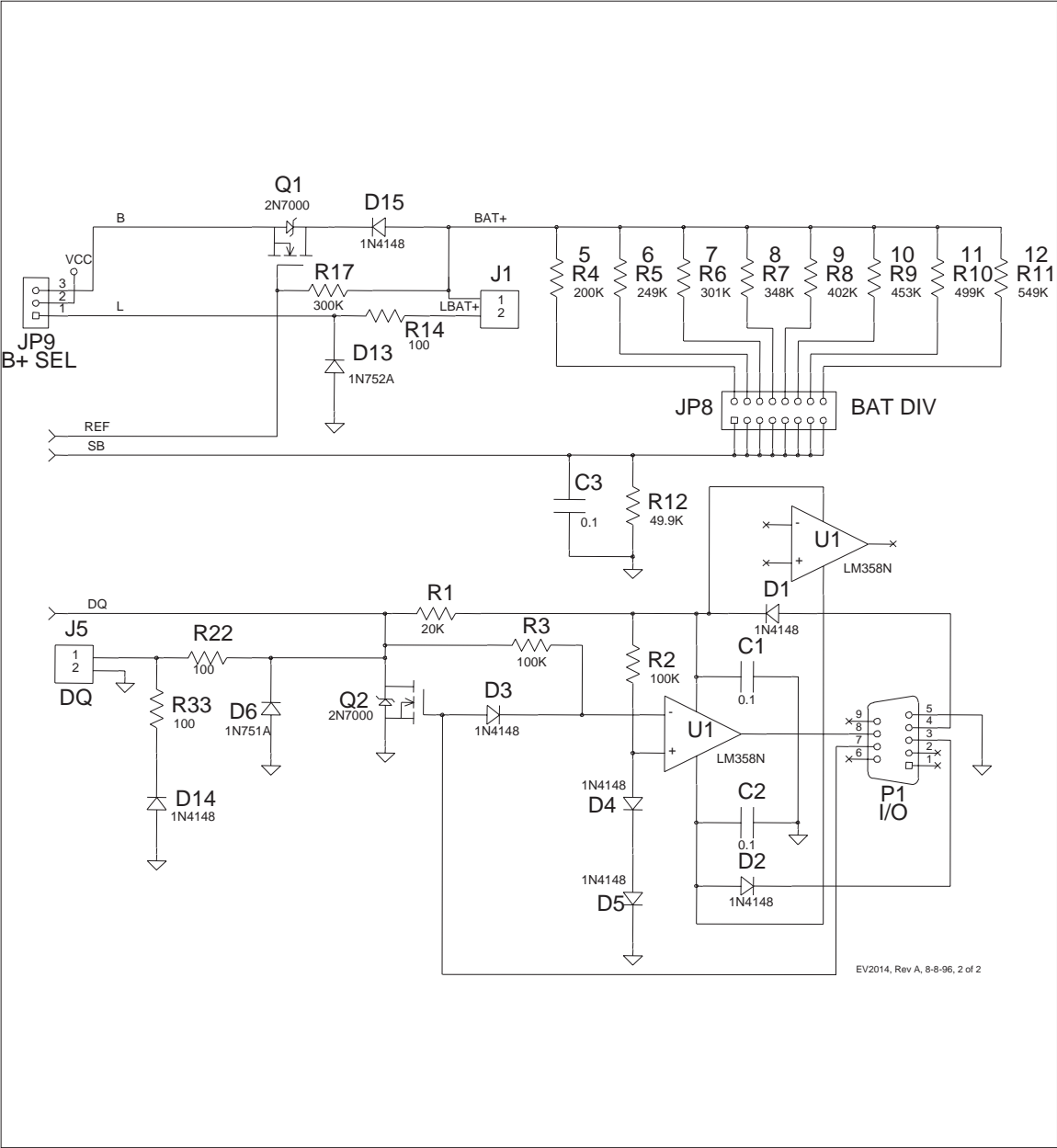
The menu-driven software provided with the EV2014 displays charge/discharge activity and allows user interface to the bq2014 from any standard DOS PC.

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

EV2014 Board Schematic



**EV2014 Board Schematic (Continued)**



EV2014, Rev A, 8-8-96, 2 of 2

## Notes

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