Benchmarq Products from Texas Instruments

# Product Brief EV2050

## Power Gauge<sup>™</sup> Evaluation Board

### **Features**

- ▶ bq2050 Power Gauge<sup>TM</sup> IC evaluation and development system
- ► PC interface hardware for easy access to state-of-charge information via the serial port
- ► Battery state-of-charge monitoring for 1- to 5-cell (series) applications
- > On-board voltage regulator for Power Gauge operation
- ► State-of-charge information displayed on bank of 5 LEDs
- > Nominal capacity jumper-configurable
- Cell anode type (coke or graphite) jumper-configurable

## **General Description**

The EV2050 Evaluation System provides a development and evaluation environment for the bq2050 Power Gauge IC. The EV2050 incorporates a bq2050 sense resistor, and all other hardware necessary to provide a power monitoring function for 1 to 5 series Li-Ion cells.

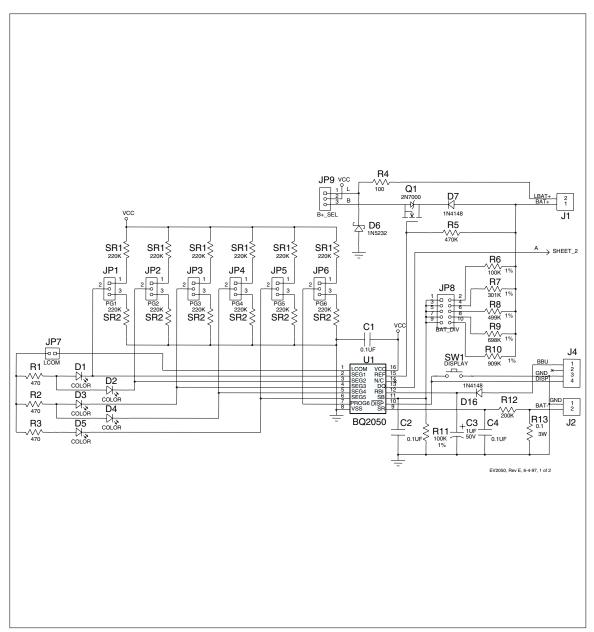
Hardware for an PC interface is included on the EV2050 so that easy access to the state-of-charge information can be achieved via the serial port of the bq2050. Direct connection to the serial port of the bq2050 is also made available for check-out of the final hardware/software implementation.



The menu-driven software provided with the EV2050 displays charge/discharge activity and allows user interface to the bq2050 from any standard DOS PC.

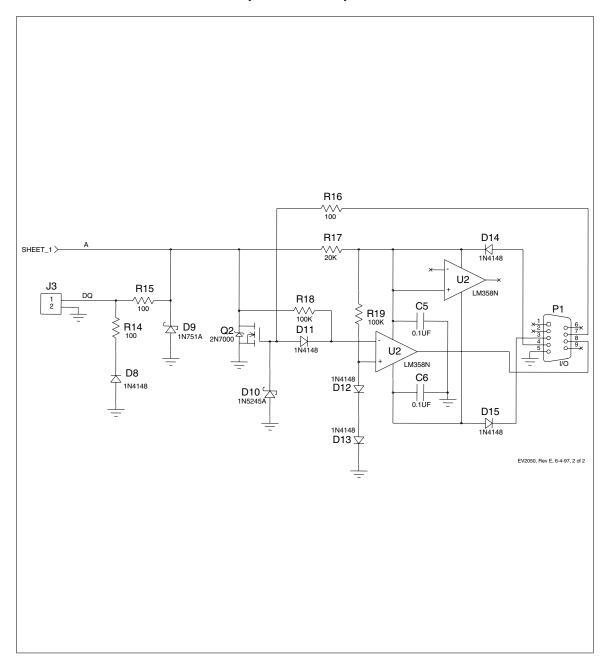
A full data sheet for this product is available from the Unitrode web site, or you may contact the factory for one.

### **EV2050 Board Schematic**



Rev. E Board

## **EV2050 Board Schematic (Continued)**



Rev E Board

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