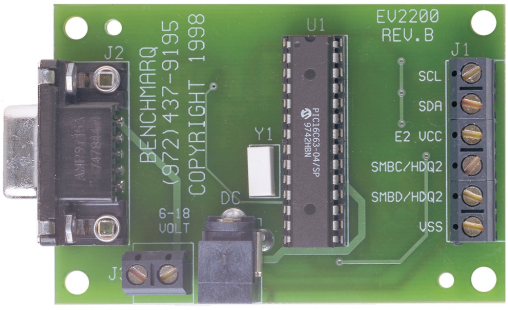
UNITRODE

Product Brief **EV2200**

PC Interface Board for Gas Gauge Evaluation

Features

- Development system for HDQ (bq2013H, bq2018, and bq2050H) and SMBus (bq2040, bq2060, bq2092, bq2945) gas gauge ICs
- Provides interface between intelligent battery and Windows-based PC
- Connects to the serial communications port of a PC
- On screen display and programming of gas gauge register functions
- Programs EEPROM and calibrates current, temperature and voltage in bq2040, bq2092, and bq2945 based packs



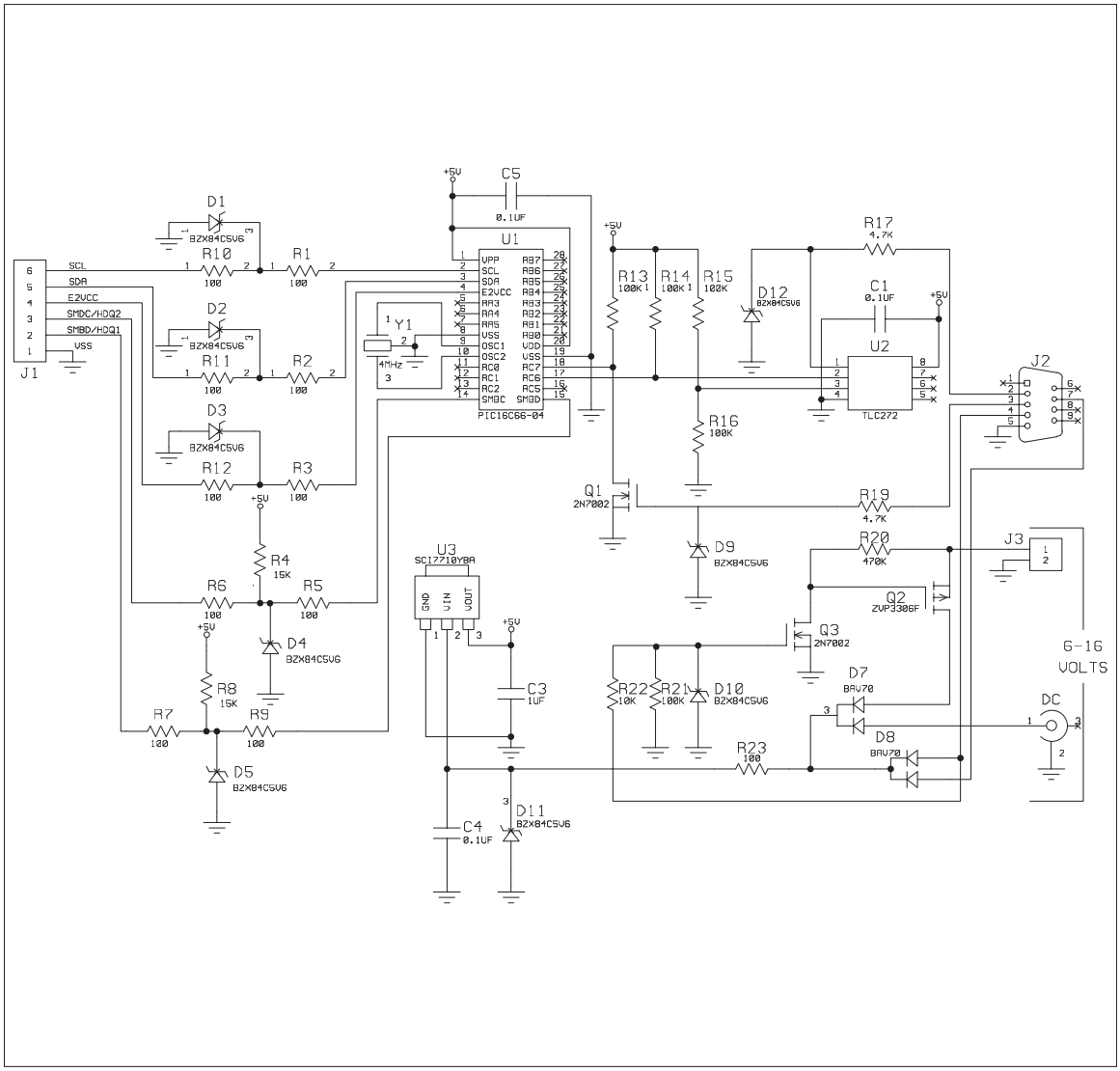
General Description

The EV2200 provides a development and evaluation environment for HDQ based and SMBus based gas gauge ICs. The EV2200 provides connections for the communication lines of an intelligent battery and a serial interface port of a Windows-based PC. With the EV2200, the user can read/write the gas gauge registers of each IC and monitor the battery's status. In the SBS SMBus environment, the interface board and software allow the battery pack designer to evaluate the function of the ICs, calibrate the intelligent battery circuit for current, temperature, and voltage measurements, and program the external EEPROM. The evaluation system includes the interface board, DC power supply, and PC software.

Please specify the desired software to be included with the EV2200 evaluation board as shown below:

Gas Gauge IC	Part Number
bq2013H	EV2200-13H
bq2018	EV2200-18
bq2040	EV2200-40
bq2050H	EV2200-50H
bq2060	EV2200-60
bq2092	EV2200-92
bq2945	EV2200-45

EV2200 Board Schematic



Rev. C Board

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