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QPI-8 EVAL1

QuietPower™

Evaluation Board for Active EMI Filters with Hot-Swap

The QPI-8 Evaluation board provides an easy to use evaluation platform for testing the QPI-8 EMI filter with Hot-Swap in existing or prototype systems. The board comes with a mounted QPI-8, RPG (PWRGD=Power Good) pull-up resistor, ROV and RUVEN jumper resistors, and screwterminal blocks for electrical connections.

External resistors can be used in series with the UVEN and OV inputs to the BUS+ terminal to increase the threshold voltages or connected directly for minimum specified thresholds. Values can be determined using figure 6 of the datasheet to trim these parameters up to the desired levels. Optional C2 capacitor is described for hold-up considerations during a power dropout and C3 can be added to filter nuisance over voltage low energy spikes that do not merit a shutdown condition.

Please refer to the QPI-8 datasheet for detailed description and typical operation of the product when applying this evaluation board. Specifically refer to Figures 9a and 9b in the datasheet for detailed application circuits.

Also refer to QPI-AN1 for critical PCB layout and EMI considerations for QPI products in general but refer to the individual product specifications for their PCB layout footprint and pin-out.

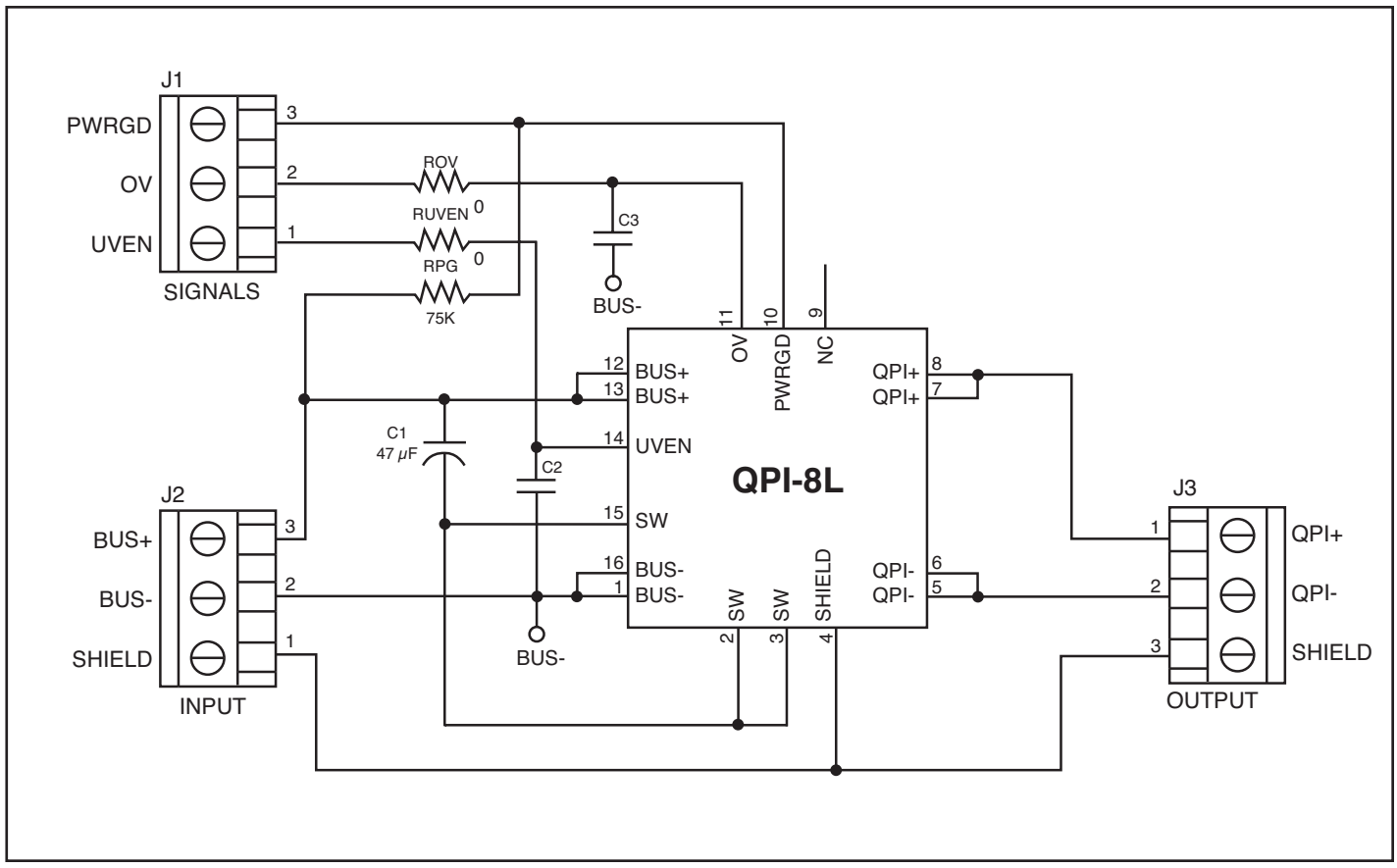


Figure 1 *- Evaluation board schematic*

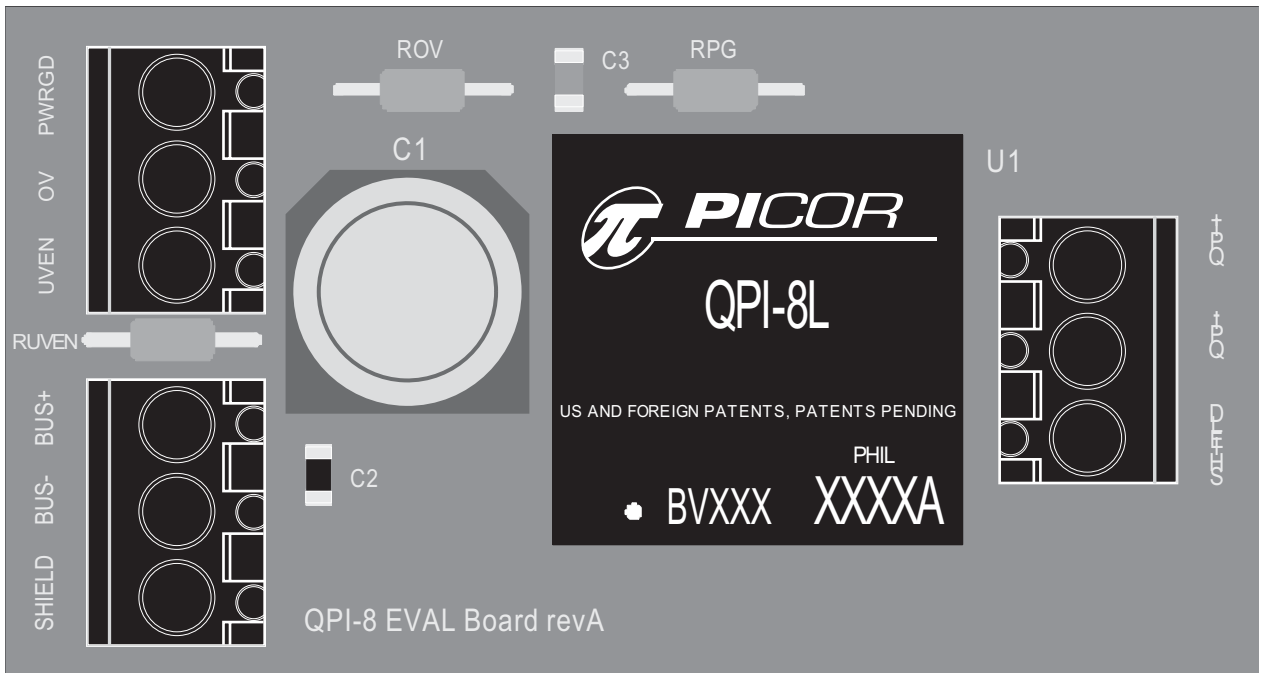


Figure 2 *- Evaluation board layout*

Ordering Information

Part Number	Description
QPI-8 EVAL1	Evaluation board for QP8-1L

Vicor's comprehensive line of power solutions includes high-density AC-DC & DC-DC modules and accessory components, fully configurable AC-DC & DC-DC power supplies, and complete custom power systems.

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Vicor Corporation
25 Frontage Road, Andover, MA, USA 01810
Tel: 800-735-6200 Fax: 978-475-6715

Email
Vicor Express: vicorexp@vicr.com
Technical Support: apps@vicr.com