

(ACTIVE) PR1070

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PR1070 configures the bq24160 battery charger to provide a system rail of at least 3.7V while charging a single Lilon battery from either a USB supply (4.2V to 6V) or a wall adapter (4.2V-10V). Using I2C communication, the charge voltage can be set up to 4.44V, the charge current can be set up to 2.5A and the input current limit for each can be set up to 1.5A for the USB input or 2.5A for the adapter input. During adapter detection, the bq24160 uses its D+/D- inputs to determine if the port is SDP (with 100mA current limit) or CDP/DCP (with 1.5A current limit).



i Fully assembled board (shown above) developed for testing and performance validation only, not available for sale.

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Texas Instruments and Accelerated Designs Inc. have collaborated together to provide TI customers with schematic symbols and PCB layout footprints for TI products.

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Power Tip 58: Power supply grounding; which camp are you in?

In this power tip video senior applications engineer, Robert Kollman, discusses different methods for grounding power supply.

Posted: 27-Oct-2013
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★★★★☆

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