This circuit is proprietary to Linear Technology and supplied for use with Linear Technology parts. **REVISION HISTORY** ECO REV DESCRIPTION DATE APPROVED Customer Notice: Linear Technology has made a best effort to design a circuit that meets customer-supplied specifications; however, it remains the customers responsibility to verify proper **PROTO** 11/09/04 and reliable operation in the actual application, Component substitution and printed circuit board layout may significantly affect circuit performance or reliability. Contact Linear Applications Engineering for assistance. TP1 ADAPTER INPUT C1 D1 🗷 USB POWER 4.5V to 6V TP3 1uF GND (**AMB** ÕPT R9 LTC4075EDD TP6 LI-ION+ DCIN **BAT** R1 800mA (500mA USB) R2 CHRG D3 RED OPT USB INPUT \bigcirc **USB POWER** OPT R7 680 C3 4.35V to 5.5V **CHRG** 1uF -O GND USBIN J2 **PWR** D2KKGRN R8 R6 680 **ENABLE** PWR 2345 USB MINI B JP1 C2 USB ON **IUSB** 1uF USB OFF IDC **ITERM** GND R10 TP4 R5 GND \bigcirc R3 R4 2K 2.1K 1.24K 1% TP5 ENABLE O CONTRACT NO. 1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 **APPROVALS** DATE **TECHNOLOGY** Fax: (408)434-0507 DRAWN MEI 11/09/04 TITLE SCH, LTC4075EDD, DUAL INPUT LI-ION CHARGER CHECKED APPROVED ENGINEER CAGE CODE SIZE **DWG NO REV** DESIGNER DC867A 1 Friday, April 08, 2005 FILENAME: 867A-1.DSN SCALE: SHEET OF