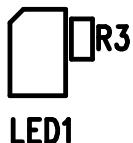
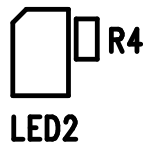


CHARGING



POWER ON

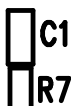
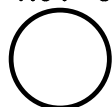


(408)432-1900

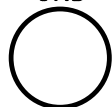
www.linear.com

DEMO CIRCUIT 1068A  
Li-ION CHARGER with  
SYNCHRONOUS BUCK CONVERTER  
LTC3550EDHC

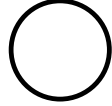
ADAPTER INPUT  
4.3V-8V



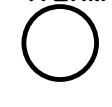
GND



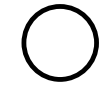
USB INPUT  
4.3V-5.5V



ITEM



IUSB



IDC



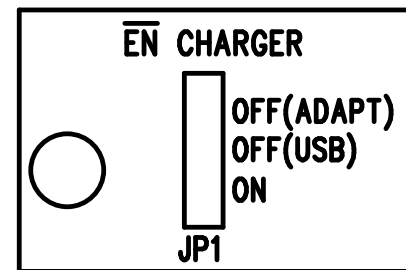
U1



C3



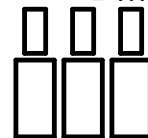
C4



HPWR

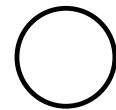


R11 R12 R13



1.2V 1.8V 2.5V

VOUT  
1.2V/1.8V/2.5V  
600mA



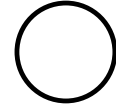
Li-Ion  
4.2V/  
500mA/800mA



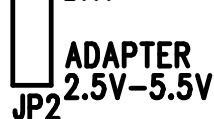
C5

R9

GND

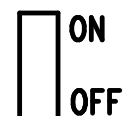


DC/DC POWER  
BAT



ADAPTER  
2.5V-5.5V

RUN



ON  
OFF

RUN



LTC Confidential - For Customer Use Only

LINEAR TECHNOLOGY CORPORATION

DC1068A REV 1

03/10/06

TOP SILKSCREEN