This circuit is proprietary to Linear Technology and supplied for use with Linear Technology parts.

Customer Notice:Linear Technology has made a best effort to design a circuit that meets customer-supplied specifications; however, it remains the customer's responsibility to verify proper and reliable operation in the actual application, Component substitution and size of size it beautiful to the control of REVISION HISTORY ECO REV APPROVED DESCRIPTION DATE 2 PROD 05/24/16 substitution and printed circuit board layout may significantly affect circuit performance or reliability. Contact Linear Applications Engineering for assistance. 5.0<u>VO</u>UT +5.0V E1 RS1 0.010 Q1 IRF7413 +5.0V, 5A 5.0VINPUT OUTPUT 1% 1/2W C1 5.0<u>VO</u>UT E4 DDZ9705-7 SEQUENCE SMAJ10A ON 604 1% D2 LED (GREEN) 5V IN D1 LED (GREEN) 5V OUT OFF JP3 R3 10 D7 BAT54 C3 0.1uF VCC1 LTC1645CS8 4.42K GNE R10 7.15K 1% R8 10K R9 26.7K C7 1uF SENSE2 C4 0.1uF BOTH OFF YES R5 10 JP5 604 1% Z4 DDZ9705-7 E5 RS2 0.007 +3.3V +3.3V, 7A INPUT 3.3VINPUT OUTPUT 1% 1/2W Q2 IRF7413 C5 E7 R13 GND Z2 SMAJ10A GND D5 LED (GREEN) 3.3V OUT D6 LED (GREEN) 3.3V IN CONTRACT NO. LINEAR 1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 Fax: (408)434-0507 APPROVALS DATE DRAWN MI TITLE SCH, LTC1645CS8, DUAL HOT SWAP CONTROLLER CHECKED APPROVED % 05/24/16 ENGINEER SIZE CAGE CODE DWG NO REV DESIGNER DC1356A 2 Tuesday, May 24, 2016 SCALE NONE FILENAME: 1356A-2.DSN SHEET OF