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 customers responsibility to verify proper 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. U1 LTC3409EDD L1 E2 VIN 1.6V to 5.5V E3 2.2uH CDRH2D18/HP-2R2NC Sumida TUOV (VIN SW CIN VIN 600mA(max) COUT COUT1 4.7uF 6.3V -10uF 6.3V 0.1uF CIN1 22uF 10V (Opt) RUN ● E4 GND E5 GND MODE ■ E6 JP7 RFB6 GND 0 (Opt) SYNC JP3 VOUT ENABLE USER SELECT 븢 GND SGND CFFW 22pF RFB1 OFF RFB2 RSD 294K 1% 309K 1.0M 1% JP4 **O O** JP2 \triangle 1.2V MODE RFB3 154K 1% JP5 BURST | 1.5V RBM RFB4 1.0M 150K 1% JP6 JP1 \triangle 1.8V 2.6 MHz RFB5 1.7MHz 0 Ohm RSYNC 1.0M E1 SYNC 1630 McCarthy Blvd., Milpitas, CA ★ CIN1 IS AN OPTIONAL CAPACITOR. IT IS INSERTED Linear Technology Corp. 95035-7487 Phone: (408)432-1900 Fax (408)434-0507 ON THE DC828A TO DAMPEN THE (POSSIBLE) Title RINGING VOLTAGE DUE TO THE LONG INPUT LEADS. Monolithic Synchronous Buck Regulator ON A NORMAL, TYPICAL PCB, WITH SHORT TRACES, Document Number THE CAPACITOR IS NOT NEEDED. Demo Circuit 828A 1 Wednesday, April 06, 2005