



Unless Noted: All Resistors are 0402, 1%, 1/16W  
 All Capacitors are 0402, 10%

Charge current = 1000 / R prog

b2	b1	b0	Charge current
0	0	0	100mA*
0	0	1	600mA
0	1	0	500mA
0	1	1	1000mA
1	0	0	1100mA
1	0	1	1600mA
1	1	0	1500mA
1	1	1	2000mA

\* Default

### 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 PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.

THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.

CONTRACT NO.			1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 Fax: (408)434-0507 LTC Confidential-For Customer Use Only	
APPROVALS			TITLE: SCHEMATIC	
DRAWN: G. Barbehenn		LTC4425EDD: LINEAR SUPERCAP CHARGER WITH CURRENT-LIMITED IDEAL DIODE AND V/I MONITOR		REV A
CHECKED:		SIZE A		DWG NO. DC1589A
APPROVED:		DATE: Monday, November 23, 2009		SHEET 1 OF 1
ENGINEER: G. Barbehenn				
DESIGNER:				