

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 CIRUIT 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.

APPROVALS


DRAWN:
G. Barbehenn

CHECKED:

APPROVED:

ENGINEER:
G. Barbehenn

DESIGNER:



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LTC Confidential-For Customer Use Only

TITLE: SCHEMATIC

LTC4425EDD: LINEAR SUPERCAP CHARGER WITH
CURRENT-LIMITED IDEAL DIODE AND V/I MONITOR

SIZE
A

DWG NO.
DC1589A

REV
A

DATE: Thursday, October 29, 2009

SHEET 1 OF 1