



Unless noted:  
 Resistors: Ohms  
 0402  
 1%  
 1/16W  
 Capacitors: uF  
 0402  
 10%  
 25V

| INPUT CURRENT LIMIT SETTINGS |       |                     |
|------------------------------|-------|---------------------|
| ILIM1                        | ILIM0 | CURRENT LIMIT       |
| 0                            | 0     | 100mA (1X)          |
| 0                            | 1     | 1A (10X)            |
| 1                            | 0     | 0.5mA (LO PWR SUSP) |
| 1                            | 1     | 500mA (5X)          |

| SWITCHING REGULATOR MODES, DVCC = 0V |             |            |
|--------------------------------------|-------------|------------|
| MODE0 (SDA)                          | MODE1 (SCL) | BUCKS      |
| 0                                    | X           | Pulse Skip |
| 1                                    | 0           | LDO        |
| 1                                    | 1           | BURST      |

**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.<br>Milpitas, CA 95035<br>Phone: (408)432-1900<br>Fax: (408)434-0507<br>LTC Confidential-For Customer Use Only |                        |                            |
| APPROVALS           |  | TITLE: <b>LTC3576EUFE: Switching Power Manager with USB On-the-Go + Triple Step-Down DC/DCs</b>                                   | REV <b>A</b>           |                            |
| DRAWN: G. Buehler   |  | SIZE <b>C</b>   | DWG NO. <b>DC1334A</b> | SHEET <b>1</b> OF <b>1</b> |
| CHECKED: G. Buehler |  | DATE: Wednesday, October 15, 2008   |                        |                            |