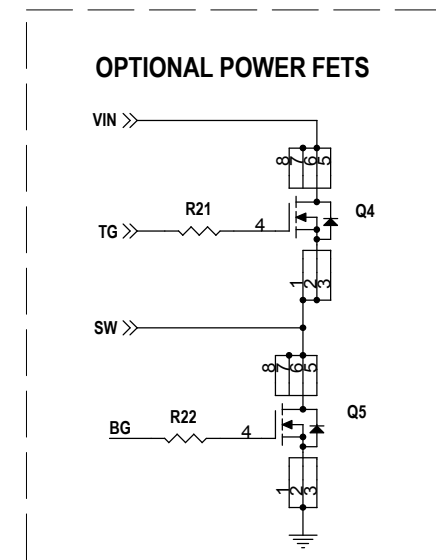


USE OPTIONAL BIAS CIRCUIT TO BACKFEED VCC WHEN VOUT IS BETWEEN 3V AND 9V AND VCC POWER DISSIPATION EXCEEDS 250mW.

REFER TO THE LT3845AEFE DATASHEET FOR MORE DETAILS.



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.

APPROVALS

| | |
|----------|----------|
| PCB DES. | NC |
| APP ENG. | MARTY M. |
| | |
| | |
| | |

SCALE = NONE



1630 McCarthy Blvd.
Milpitas, CA 95035
Phone: (408)432-1900 www.linear.com
Fax: (408)434-0507
LTC Confidential-For Customer Use Only

TITLE: SCHEMATIC
**HIGH VOLTAGE SYNCHRONOUS BUCK
CONTROLLER WITH ADJUSTABLE OPERATING FREQUENCY**

| | | |
|-------------|--|------------------|
| SIZE N/A | IC NO. LT3845AEFE DEMO CIRCUIT 1619A | REV. 2 |
|-------------|--|------------------|

DATE: 11-15-10

SHEET 2 OF 2