



\* Capacitor CIN1 Is An Optional Capacitor. It Is Inserted On The DC1445A To Dampen The (Possible) Ringing Voltage Due To The Long Input Leads. On A Normal, Typical PCB, With Short Trace, The Capacitor Is Not Needed.

LTC CONFIDENTIAL - FOR CUSTOMER USE ONLY

### 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.

## LINEAR TECHNOLOGY CORPORATION

1630 McCARTHY BLVD.  
MILPITAS, CA. 95035  
408-432-1900  
408-434-0507 FAX

[www.linear.com](http://www.linear.com)

Title			LTC3603EMSE		
Size			Document Number		
Date:			Friday, February 13, 2009		
This Circuit Is Proprietary To Linear Technology And Supplied For Use With Linear Technology Parts.			High Input Voltage 2.5A Monolithic Synchronous Buck Regulator		
This Circuit Is Proprietary To Linear Technology And Supplied For Use With Linear Technology Parts.			Demo Circuit 1445A		
Sheet			1 of 1		
Rev			A		