

@100mA PVIN RANGE	VLED
3V-16V	18V
4V-21V	24V
5V-25V	29V

SEE NOTE #1  
100mA  
36Vovp

SEE NOTE #1  
100mA  
36Vovp


SEE NOTE #2

SEE NOTE #2

SEE NOTE #3

SEE NOTE #3

- NOTES:**
1. OVERVOLTAGE PROTECTION. (ovp)
  2. CHANGE R2,R5 FOR DIFFERENT LED CURRENT SETTING.
  3. R11, R12 = 10k and C7, C8 = 1uF for 1.8V 1kHz(PWM) CTRL1,CTRL2 SIGNAL.

CUSTOMER NOTICE		CONTRACT NO.	 1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 Fax: (408)434-0507 LTC Confidential-For Customer Use Only
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.		APPROVALS	
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		DRAWN: Rudy B	
		CHECKED:	
		APPROVED:	
		ENGINEER:	
		DESIGNER:	
		Keith S./Dave KIM	
		TITLE: SCHEMATIC	
		DUAL 1.3A WHITE LED STEP-UP CONVERTERS WITH WIDE DIMMING RANGE	
SIZE A	DWG NO. DEMO CIRCUIT 876A	REV 2	
DATE: Thursday, October 13, 2005		SHEET 1 OF 1	