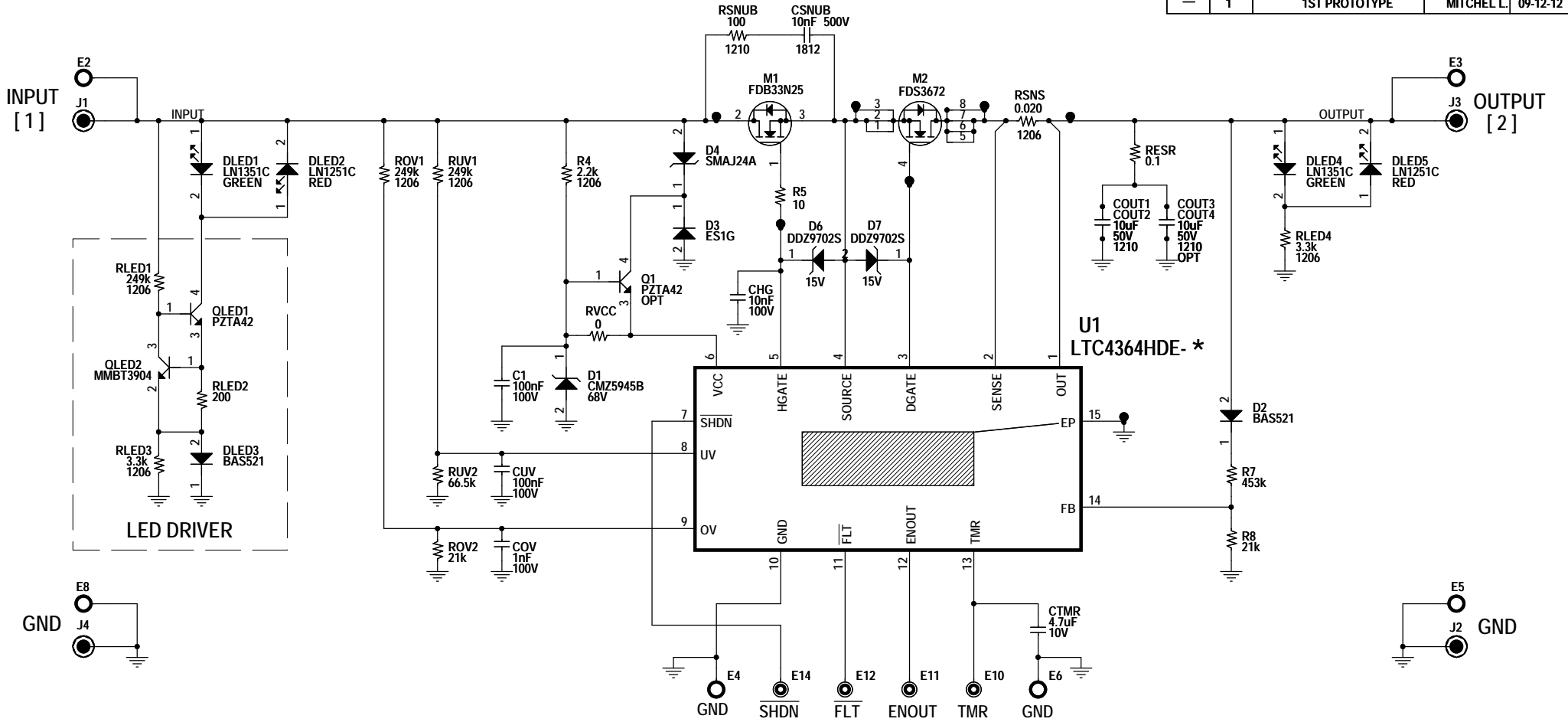


REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
-	1	1ST PROTOTYPE	MITCHEL L.	09-12-12



[1]

INPUT RANGE	
DC OPERATING	6.6V TO 26V
DC SURVIVAL	-24V TO +80V
1ms TRANSIENT	250V
OVERVOLTAGE LOCKOUT	16.8V
SURGE RIDE-THROUGH	ISO-7637-2 WAVEFORM 5A

*

ASSY	U1	TOP MARK	BEHAVIOR
DC2027A-A	LTC4364HDE-1	43641	LATCH OFF
DC2027A-B	LTC4364HDE-2	43642	AUTO RETRY

[2]

OUTPUT RANGE	
REGULATION VOLTAGE	28.7V
DC BACKFEED PROTECTION	-20V TO +30V
OUTPUT CURRENT	
MAXIMUM LOAD	1A
CURRENT LIMIT	2.5A

NOTE: UNLESS OTHERWISE SPECIFIED
1. ALL RESISTORS AND CAPACITORS ARE 0805.

CUSTOMER NOTICE		APPROVALS		LINEAR TECHNOLOGY	
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.		PCB DES.	KIM T.	1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 www.linear.com Fax: (408)434-0507 LTC Confidential-For Customer Use Only	
		APP ENG.	MITCHELL L.	TITLE: SCHEMATIC	
		12V SURGE STOPPER WITH IDEAL DIODE			
		SIZE	IC NO.	LTC4364HDE-1/-2	
		N/A	DEMO CIRCUIT 2027A		REV. 1
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		SCALE = NONE		DATE:	09/12/2012, 10:51 AM
				SHEET 1 OF 1	