



*** VERSION TABLE**

ASSY TYPE	U1	Q1	Q2, Q3	R4	R5
DC2418A-A	LTC4368CMS-1	—	SiR870ADP	0.005 OHM	—
DC2418A-B	LTC4368CMS-2	Si7942DP	—	—	0.02 OHM

*	VIN	VOUT
	-40 TO 0V	REVERSE PROTECTED
	0V TO 3.5V	UV PROTECTED
	3.5V TO 18V	GATE ON
	18V TO 100V	OV PROTECTED

NOTES: UNLESS OTHERWISE SPECIFIED,

- ALL CAPACITORS AND RESISTORS ARE 1206
- FOR Q2, Q3 OPT MOSFETS CAN USE MOSFETS IN DIFFERENT PACKAGES: POWER SO-8, D2PAK, D2PAK-7L

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.	AK
APP ENG.	VLAD O.
SCALE	NONE



1630 McCarthy Blvd.
Milpitas, CA 95035
Phone: (408)432-1900 www.linear.com
Fax: (408)434-0507
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TITLE: SCHEMATIC 100V UV/OV AND REVERSE PROTECTION CONTROLLER WITH BIDIRECTIONAL CIRCUIT BREAKER		
SIZE N/A	IC NO. LTC4368-1, LTC4368-2 DEMO BOARD 2418A	REV. 2
DATE:	Wednesday, January 11, 2017	SHEET 1 OF 1