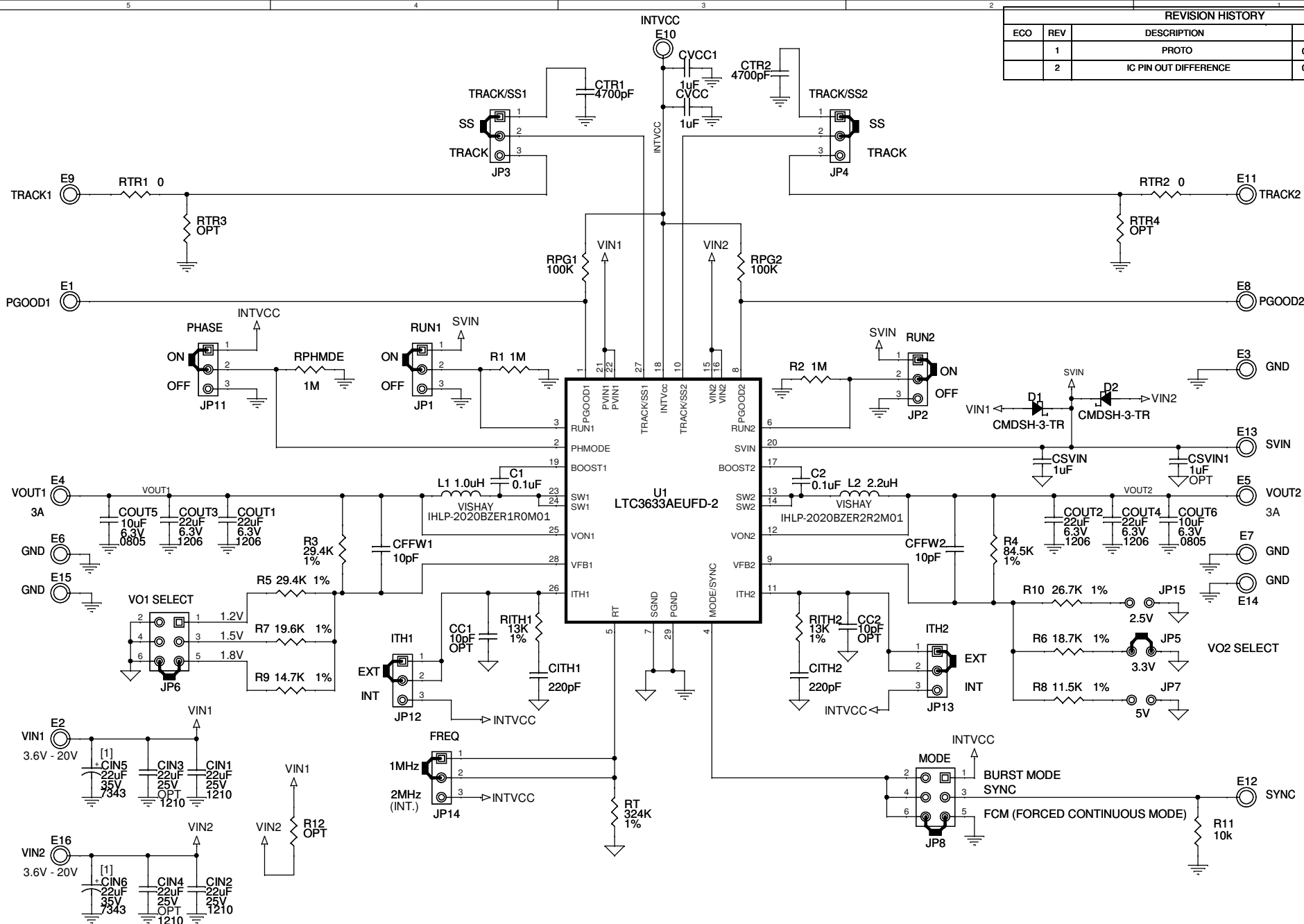


REVISION HISTORY				
ECO	REV	DESCRIPTION	DATE	APPROVED
	1	PROTO	02/13/12	TOM G.
	2	IC PIN OUT DIFFERENCE	09/13/12	TOM G.



NOTES: UNLESS OTHERWISE SPECIFIED,

[1] CIN5 AND CIN6 ARE INSERTED ON DC1958A TO DAMPEN THE (POSSIBLE) RINGING VOLTAGE DUE TO THE USE OF LONG INPUT LEADS. ON A NORMAL, TYPICAL PCB, WITH SHORT TRACES, CIN5 AND CIN6 ARE NOT NEEDED.

2. ALL RESISTOR AND CAPACITOR CASE SIZE ARE 0402.

## 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. MI  
APP ENG. TOM G.

SCALE = NONE



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TITLE: SCHEMATIC  
DUAL SYNCHRONOUS STEP-DOWN  
REGULATOR

SIZE IC NO. LTC3633AEUFD-2  
N/A DEMO CIRCUIT 1958A

DATE: 10/17/12 10:36:59 SHEET 1 OF 1