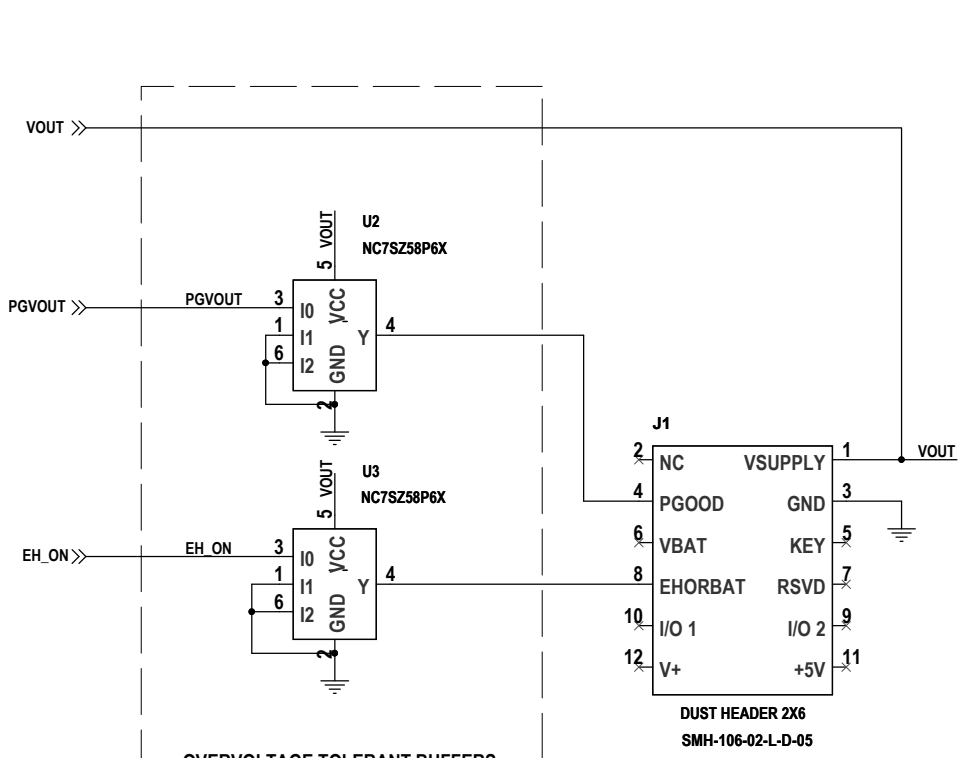

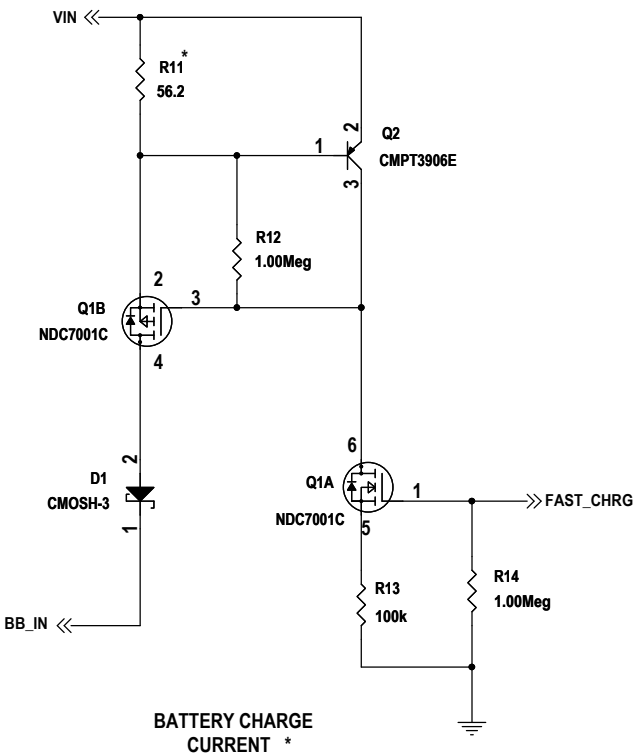

BATTERY CHARGE CURRENT *

R11	I_CHRG
113	5mA
75.0	7.5mA
56.2	10mA

U2, U3, U4 FUNCTION TABLE

I_2	I_1	I_0	Y
L	L	L	L
L	L	H	H

$$Y = (I_0) \cdot \overline{(I_2)} + \overline{(I_1)} \cdot (I_2)$$

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.

APPROVALS

PCB DES.	NC
APP ENG.	JD

SCALE = NONE

LINEAR TECHNOLOGY
1630 McCarthy Blvd.
Milpitas, CA 95035
Phone: (408)432-1900 www.linear.com
Fax: (408)434-0507
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TITLE: SCHEMATIC

NANOPOWER BUCK - BOOST DC / DC
WITH ENERGY HARVESTING BATTERY CHARGER

SIZE	IC NO.	REV.
N/A	LTC3331EUH DEMO CIRCUIT 2151A	2

DATE: 2 - 21 - 14