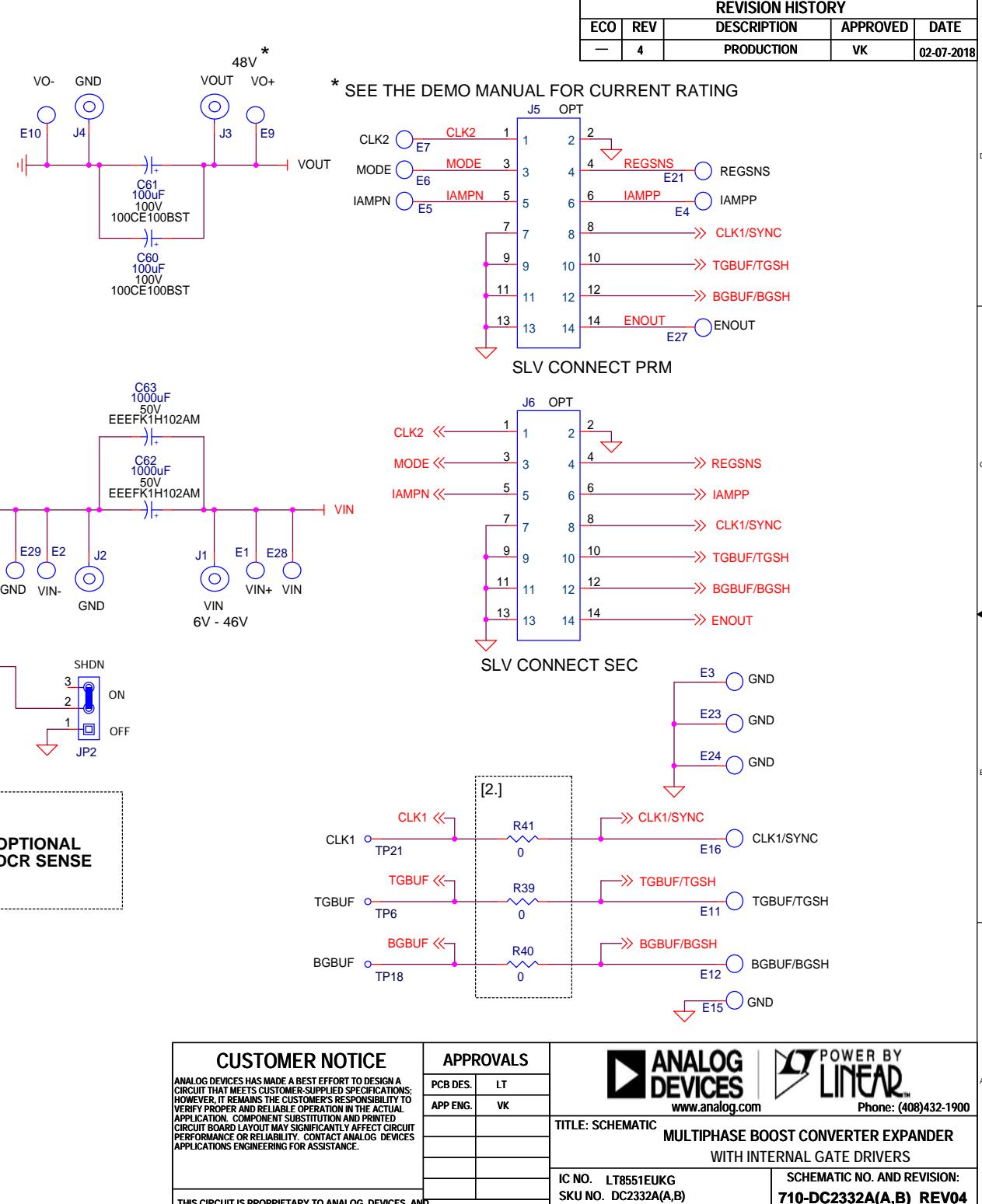
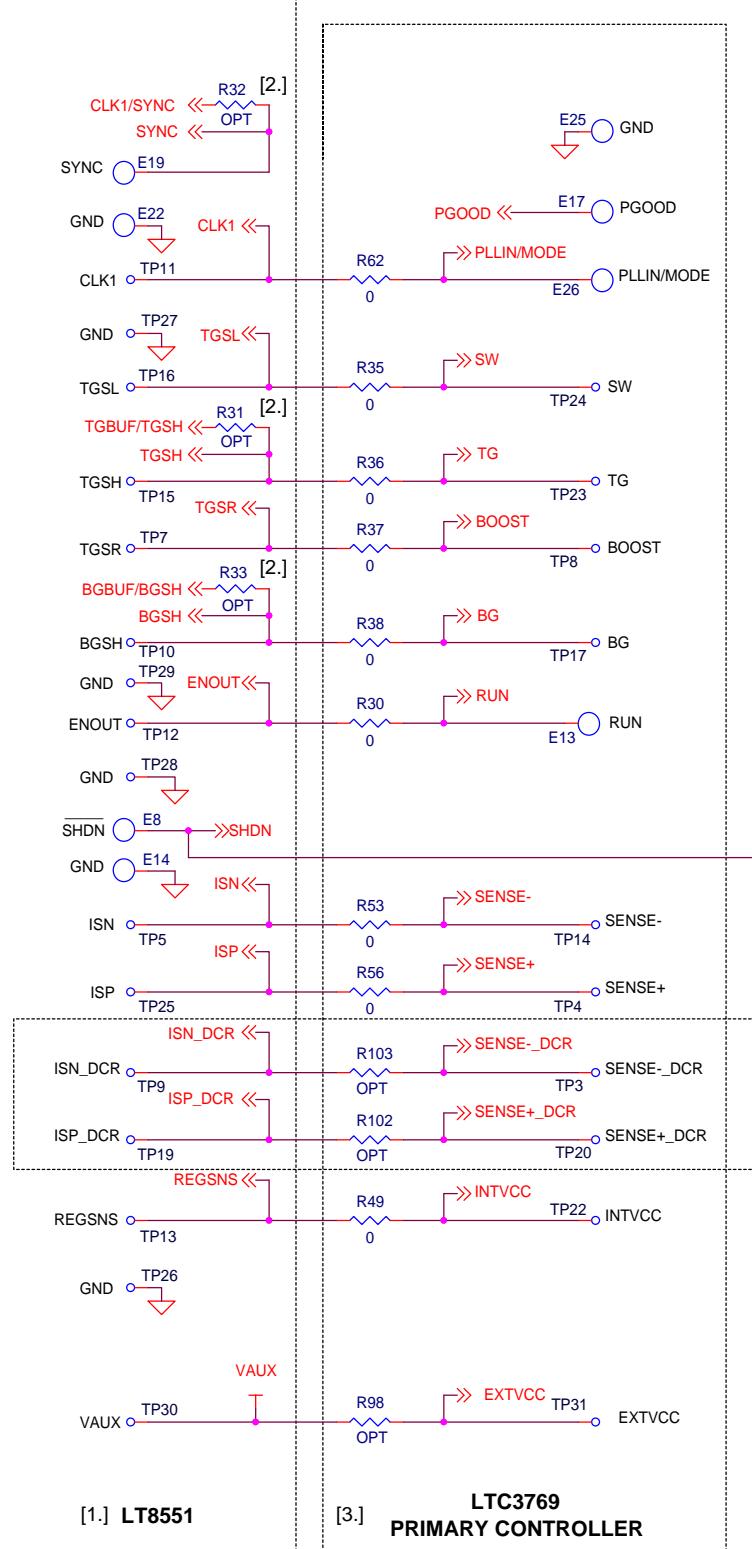
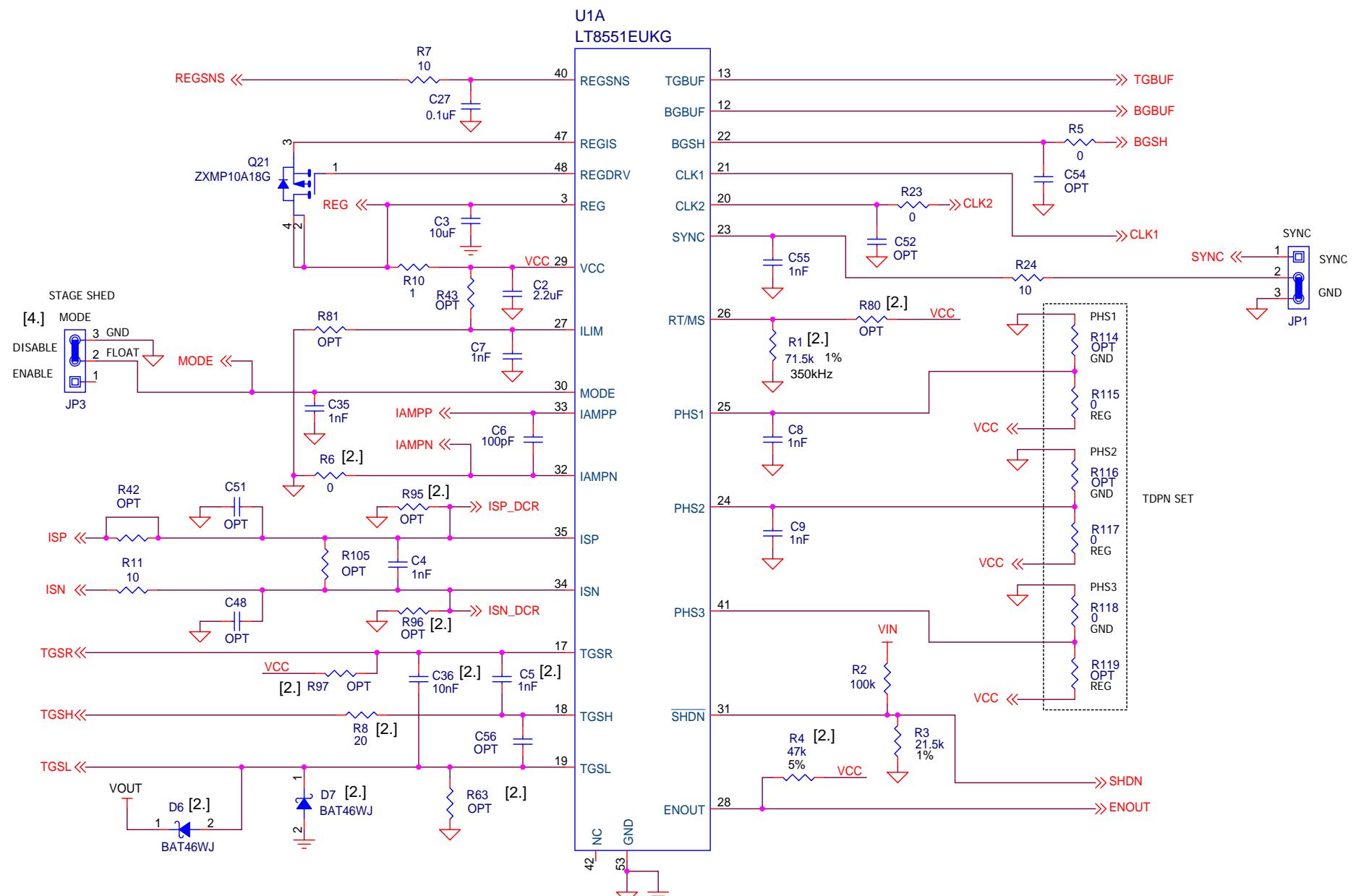


ECO	REV	DESCRIPTION	APPROVED	DATE
—	4	PRODUCTION	VK	02-07-2018





### CUSTOMER NOTICE

ANALOG DEVICES 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 ANALOG DEVICES APPLICATIONS ENGINEERING FOR ASSISTANCE.

THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.

### APPROVALS

PCB DES.	LT
APP ENG.	VK

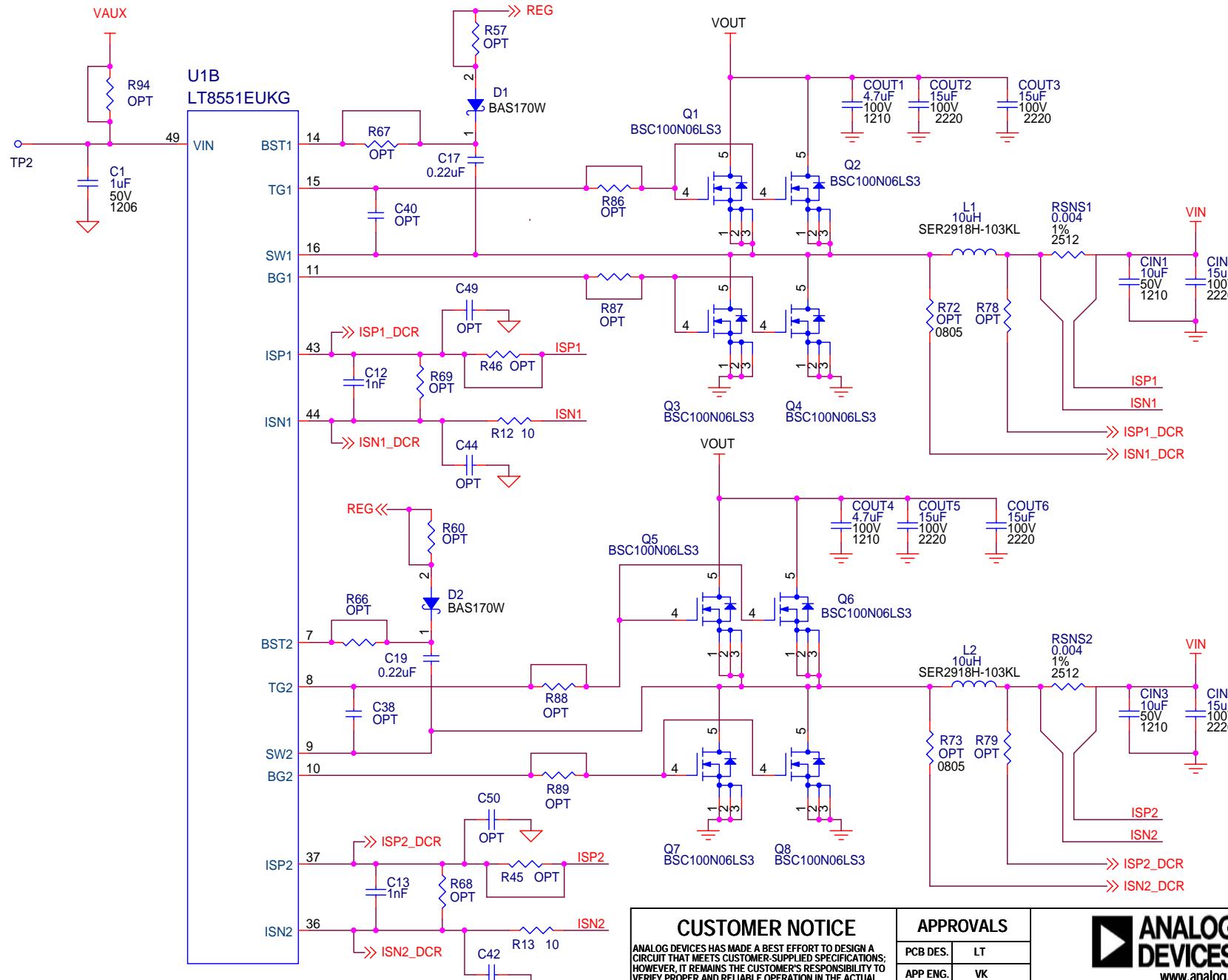


Phone: (408)432-1900

TITLE: SCHEMATIC  
MULTIPHASE BOOST CONVERTER EXPANDER  
WITH INTERNAL GATE DRIVERS

IC NO. LT8551EUKG  
SKU NO. DC2332A(A,B)  
SCHEMATIC NO. AND REVISION:  
710-DC2332A(A,B)\_REV04

SIZE: N/A DATE: 02-07-2018 SHEET 2 OF 6



### CUSTOMER NOTICE

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### APPROVALS

PCB DES. LT

APP ENG. VK



Phone: (408)432-1900

TITLE: SCHEMATIC

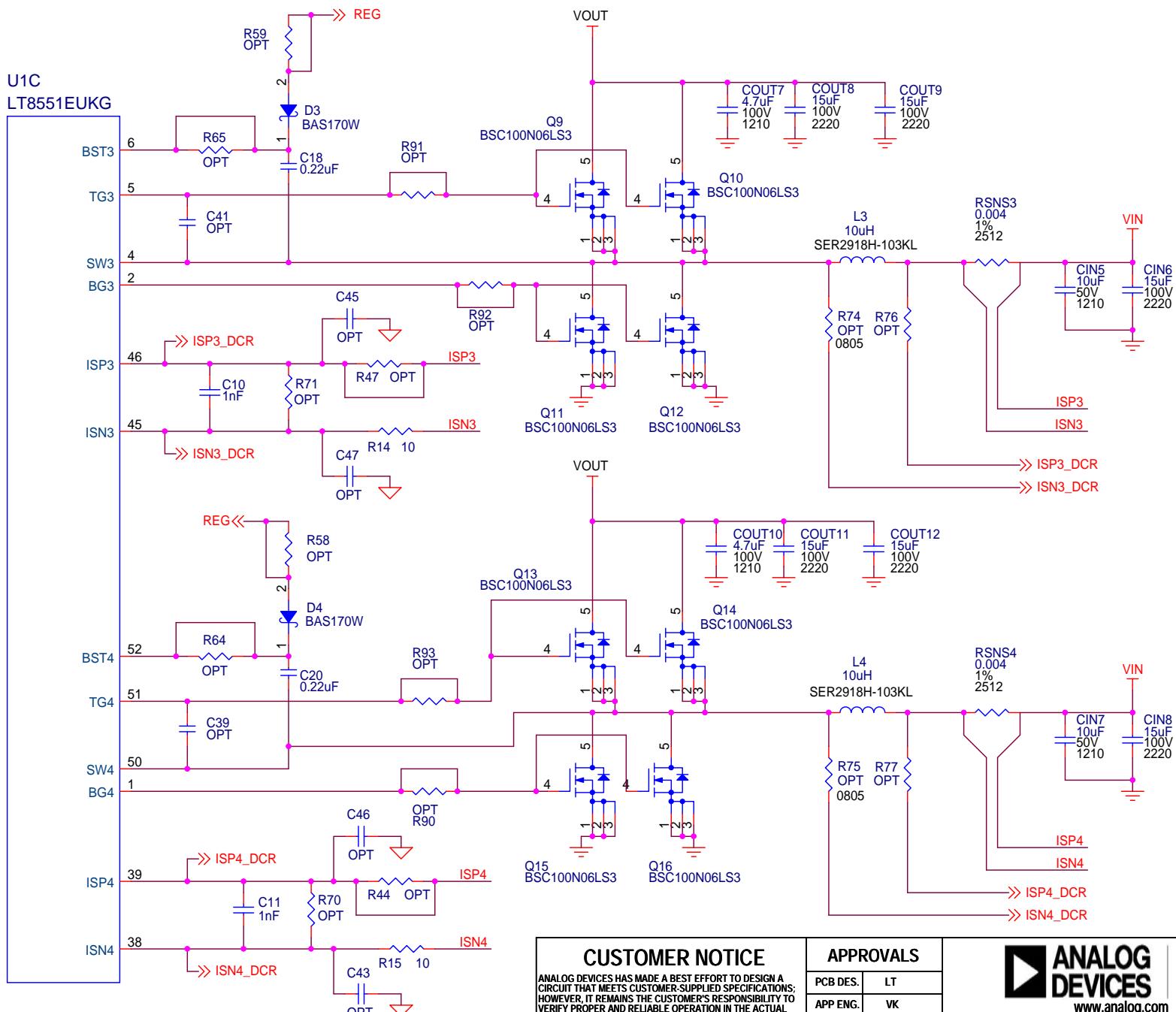
MULTIPHASE BOOST CONVERTER EXPANDER  
WITH INTERNAL GATE DRIVERS

IC NO. LT8551EUKG  
SKU NO. DC2332A(A,B)

SCHEMATIC NO. AND REVISION:  
710-DC2332A(A,B)\_REV04

SIZE: N/A DATE: 02-07-2018

SHEET 3 OF 6



## CUSTOMER NOTICE

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APPROVAL	
PCB DES.	LT
APP ENG.	VK



POWER BY  
**LINEAD**

Phone: (408)432-1900

**LUMINAGE BOOST CONVERTED EXPANDED**

# THREE-PHASE BOOST CONVERTER EXPANDER

WITH INTERNAL GATE DRIVERS

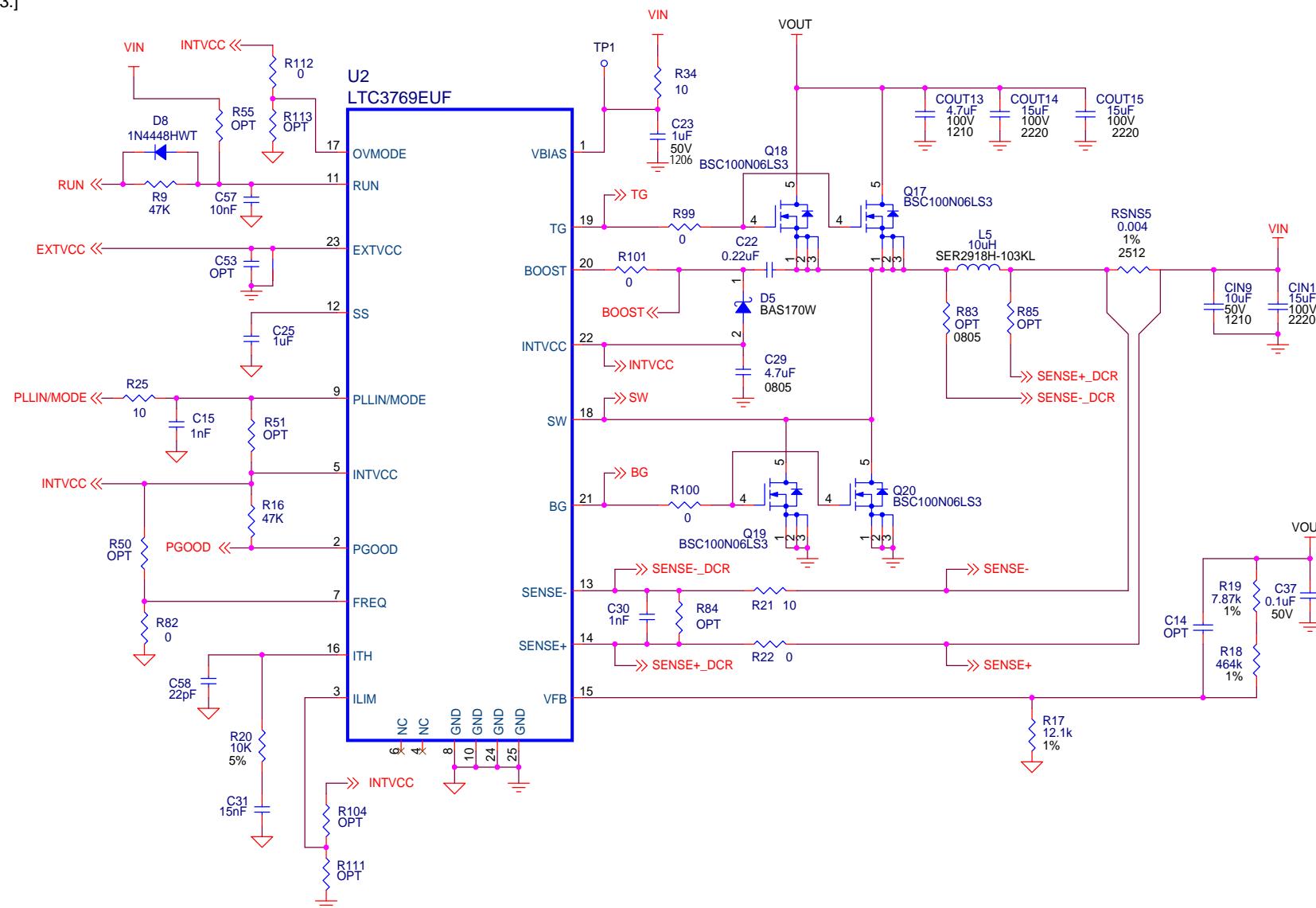
**SCHEMATIC NO. AND REVISION:**

710-DC2332A(A,B)\_REV04

2-07-2018 SHEET 4 OF 6

1

[3.]



#### CUSTOMER NOTICE

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#### APPROVALS

PCB DES.	LT
APP ENG.	VK



Phone: (408)432-1900

TITLE: SCHEMATIC  
MULTIPHASE BOOST CONVERTER EXPANDER  
WITH INTERNAL GATE DRIVERS

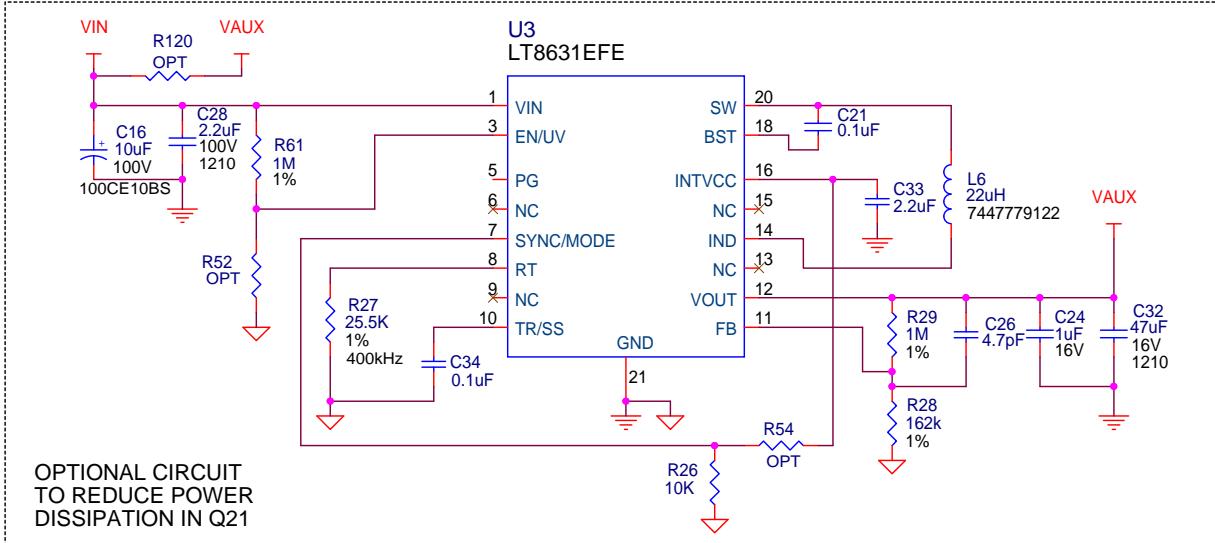
IC NO. LT8551EUKG  
SKU NO. DC2332A(A,B)  
SCHEMATIC NO. AND REVISION:  
710-DC2332A(A,B)\_REV04

SIZE: N/A DATE: 02-07-2018

SHEET 5 OF 6

**NOTES:**

[1.]	ASSY	LT8551 MASTER / SLAVE		
	-A	MASTER		
	-B	SLAVE		



[2.]	ASSY	R1	R4	R6,R39,R40,R41	R8	R31,R32,R33,R63, R80,R95,R96,R97	C5	C36	D6,D7
	-A	71.5K	47K	0 OHM	20	OPT	1nF	10nF	BAT46WJ
	-B	OPT	OPT	OPT	0 OHM	0 OHM	OPT	OPT	OPT

[3.]	ASSY	LTC3769 PRIMARY CONTROLLER COMPONENTS INSTALLED / REMOVED		
	-A	INSTALLED		
	-B	REMOVED		

[4.]	ASSY	JP4 (STAGE SHED)		
	-A	DISABLE		
	-B	ENABLE		

[5.]	ASSY	JP5 (SYNC)		
	-A	GND		
	-B	SYNC		

6. UNLESS OTHERWISE SPECIFIED,  
ALL RESISTORS ARE 0603, 5%  
AND ALL CAPACITORS ARE 0603.

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THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.

**APPROVALS**

PCB DES.	LT
APP ENG.	VK

**POWER BY LINEAR**  
www.analog.com  
Phone: (408)432-1900  
  
TITLE: SCHEMATIC MULTIPHASE BOOST CONVERTER EXPANDER WITH INTERNAL GATE DRIVERS  
IC NO. LT8551EUKG SKU NO. DC2332A(A,B) SCHEMATIC NO. AND REVISION:  
710-DC2332A(A,B)\_REV04  
SIZE: N/A DATE: 02-07-2018 SHEET 6 OF 6