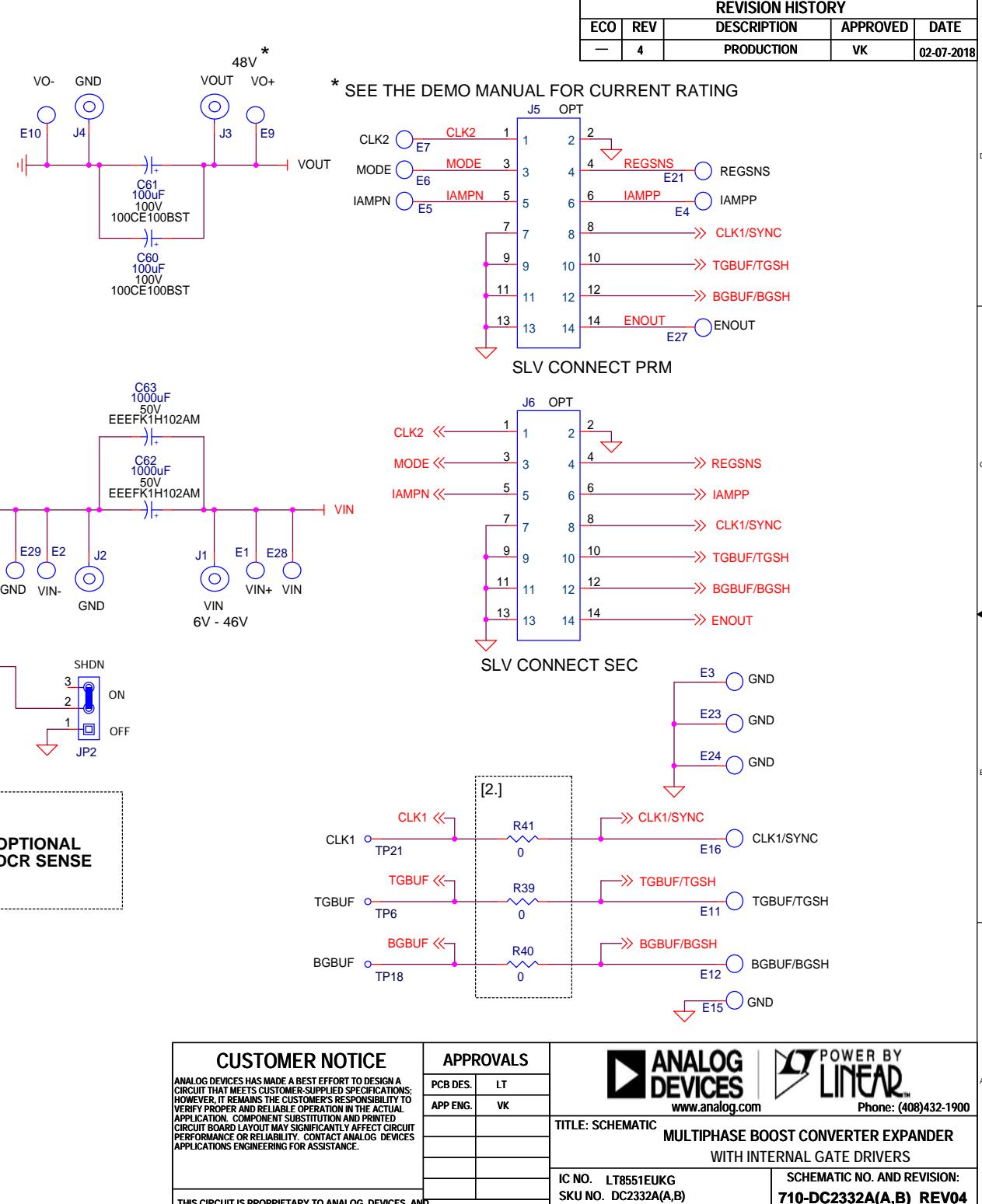
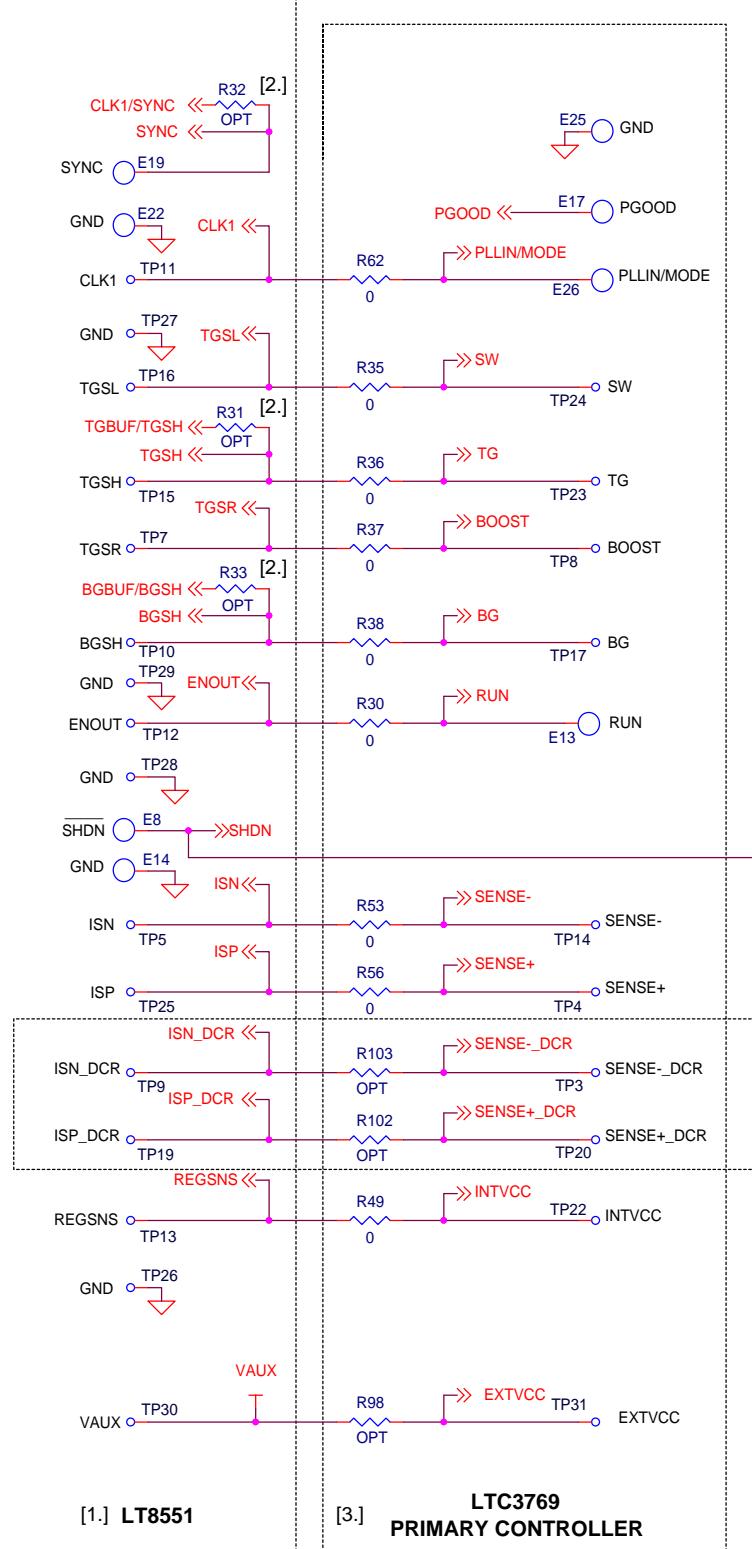
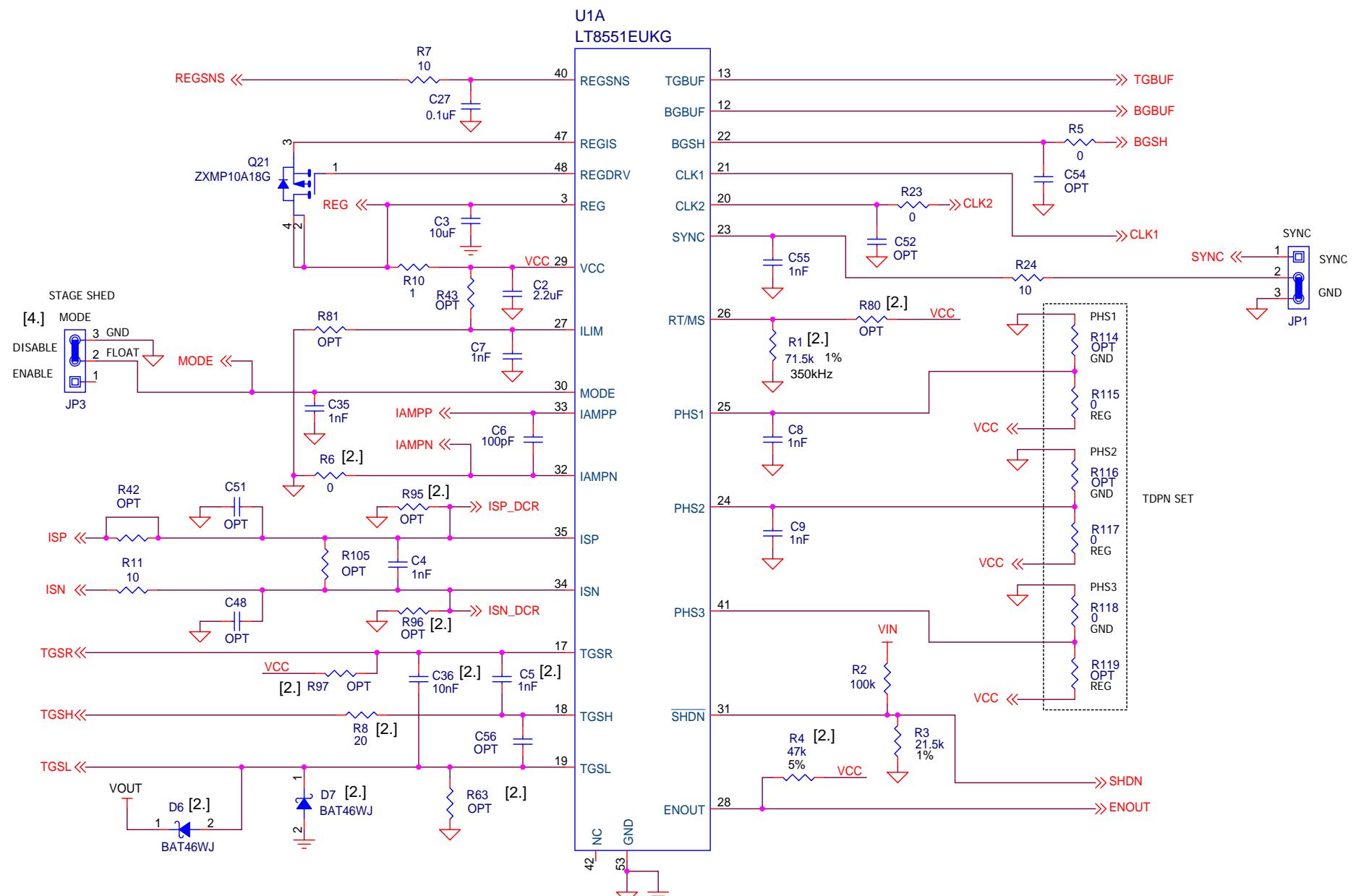


| ECO | REV | DESCRIPTION | APPROVED | DATE |
|-----|-----|-------------|----------|------------|
| — | 4 | PRODUCTION | VK | 02-07-2018 |





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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 |
| | |
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| | |



Phone: (408)432-1900

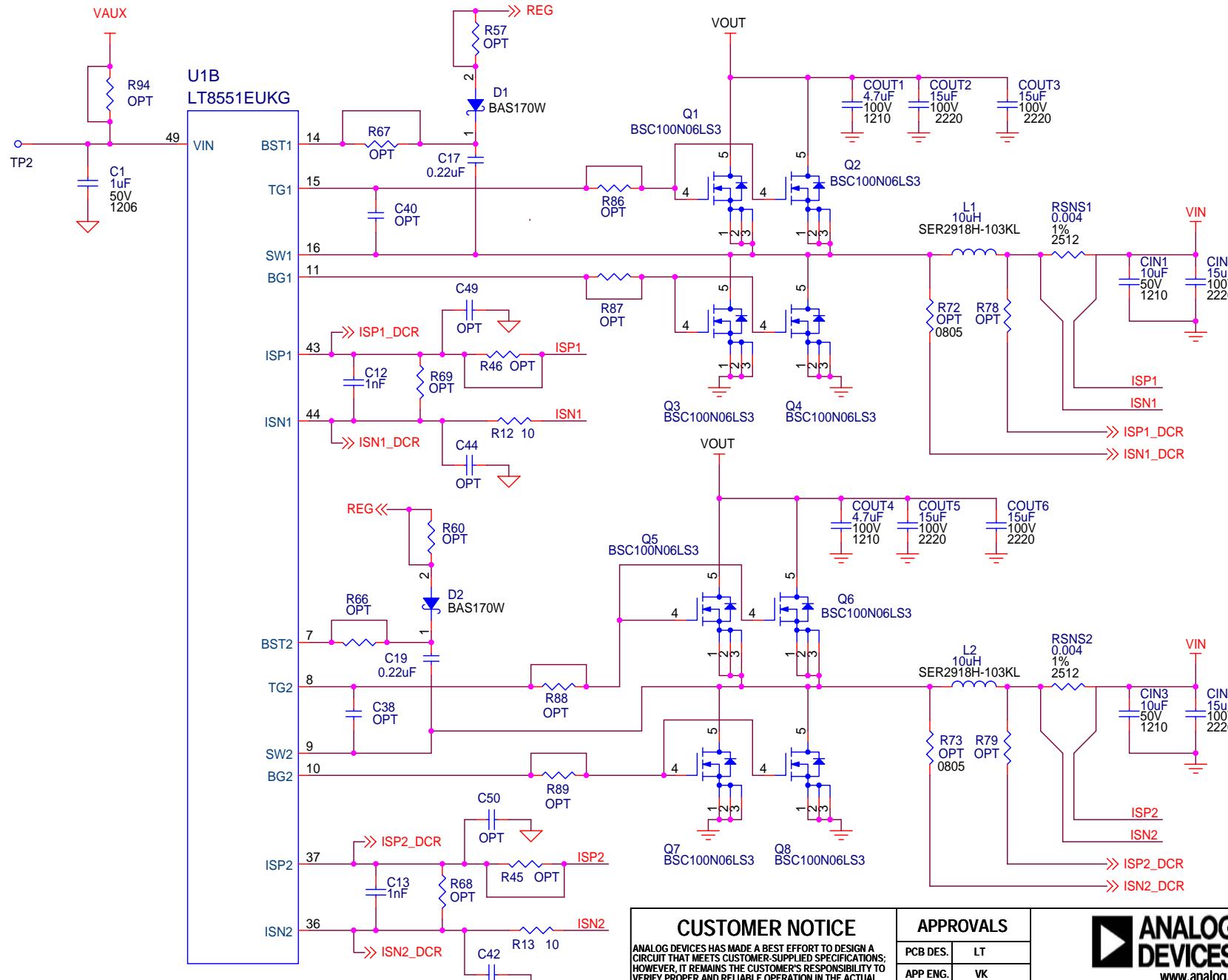
TITLE: SCHEMATIC
MULTIPHASE BOOST CONVERTER EXPANDER
WITH INTERNAL GATE DRIVERS

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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| PCB DES. | LT |
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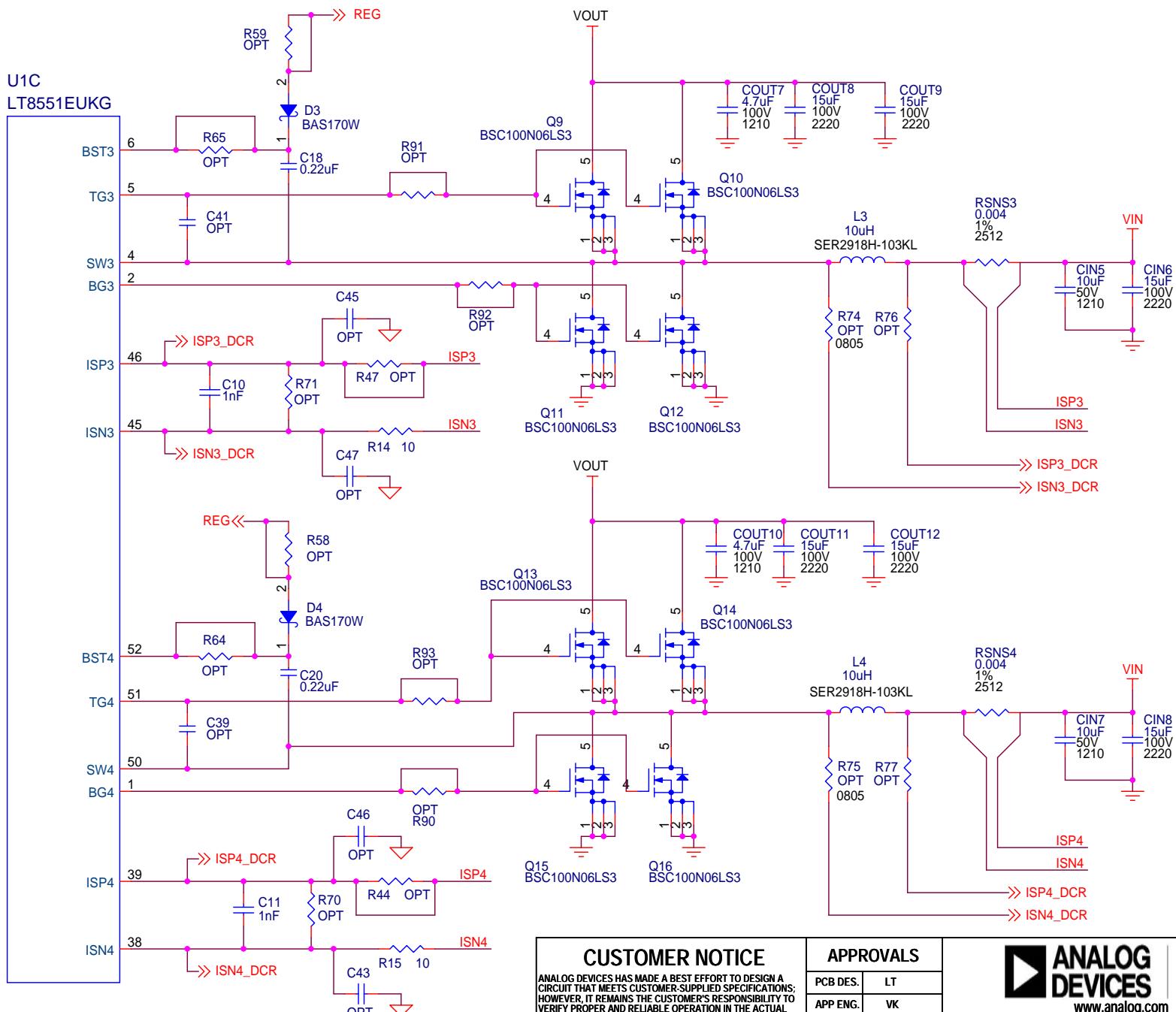
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SHEET 3 OF 6



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| APPROVAL | |
|----------|----|
| PCB DES. | LT |
| APP ENG. | VK |
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LINEAD

Phone: (408)432-1900

CHEMATIC MULTIVACUUM BOOST CONVENTER EXPANDER

MULTIPHASE BOOST CONVERTER EXPANDER

WITH INTERNAL GATE DRIVERS

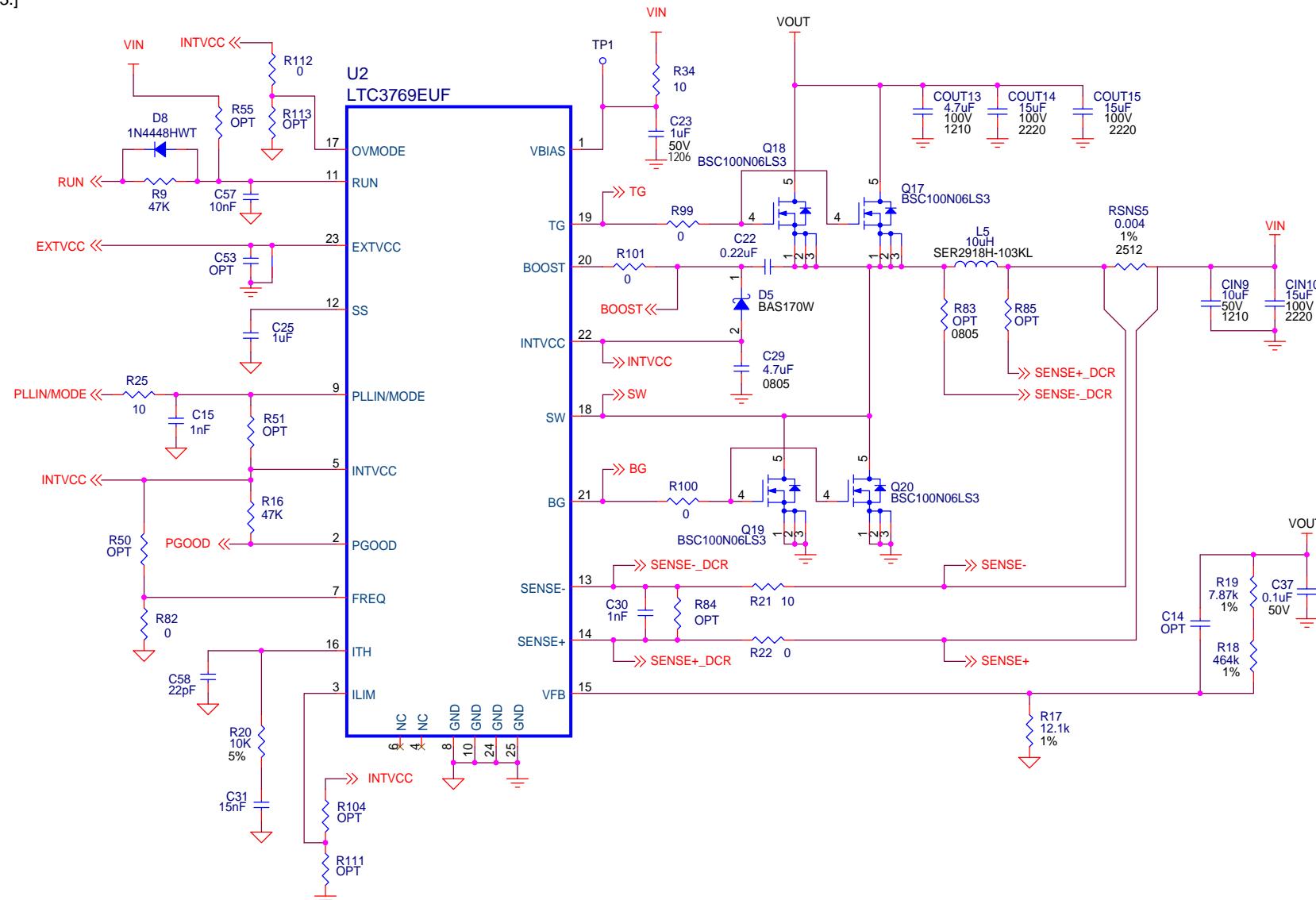
LT8551EUKG **SCHEMATIC NO. AND REVISION:**

D. DC2332A(A,B) | 710-DC2332A(A,B)_REV04

N/A DATE: 02-07-2018 SHEET 4 OF 6

1

[3.]



CUSTOMER NOTICE

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APPROVA

| | |
|----------|-----|
| PCB DES. | LTT |
| APP ENG. | VKT |
| | |
| | |

 ANALOG
DEVICES

The logo consists of a stylized 'L' shape followed by the text "POWER BY LINEAR™".

CHEMATIC MULTIPHASE BOOST CONVERTER EXPANDER WITH INTERNAL GATE DRIVERS

THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND
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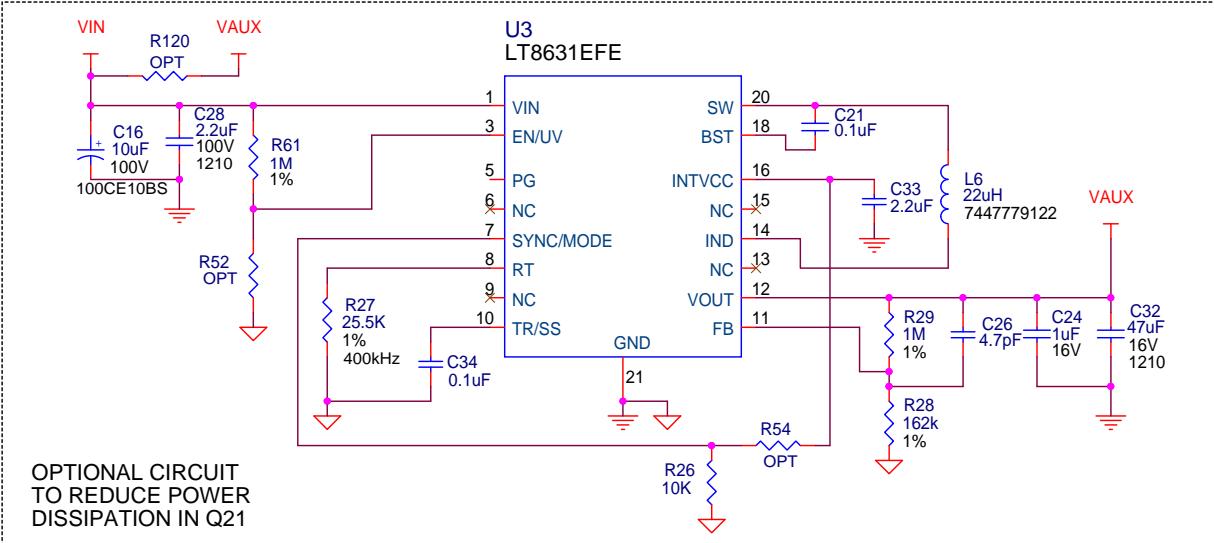
LT8551EUKG
D. DC2332A(A,B) SCHEMATIC NO. AND REVISION:
710-DC2332A(A,B)_REV04

N/A DATE: 02-07-2018 SHEET 5 OF 6

1

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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APPROVALS

| | |
|----------|----|
| PCB DES. | LT |
| APP ENG. | VK |
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| | |

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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