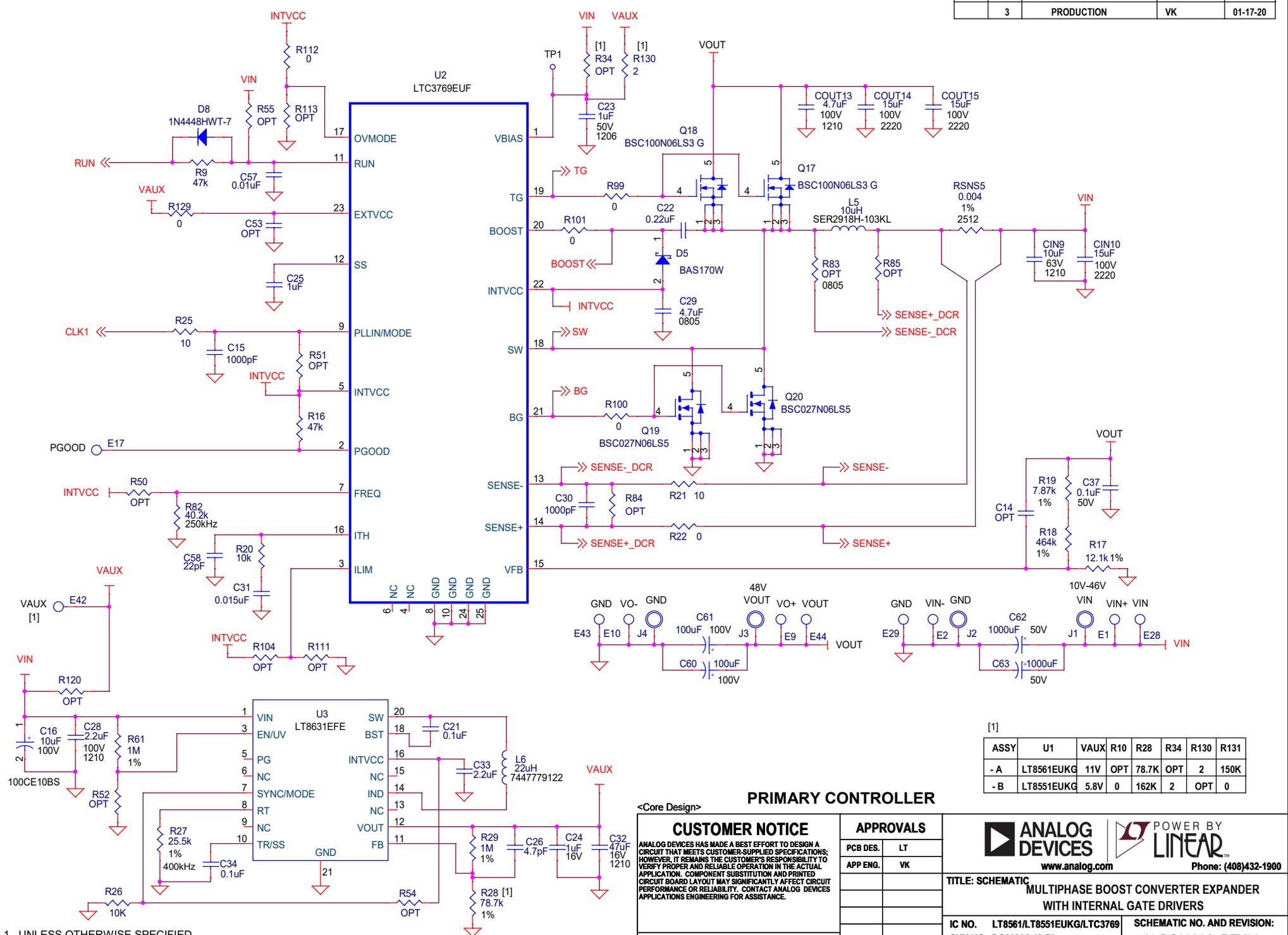


REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	3	PRODUCTION	VK	01-17-20



[1]

ASSY	U1	VAUX	R10	R28	R34	R130	R131
- A	LT8561EUKG	11V	OPT	78.7K	OPT	2	150K
- B	LT8551EUKG	5.8V	0	162K	2	OPT	0

**PRIMARY CONTROLLER**

**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.

**APPROVALS**

PCB DES.	LT
APP ENG.	VK

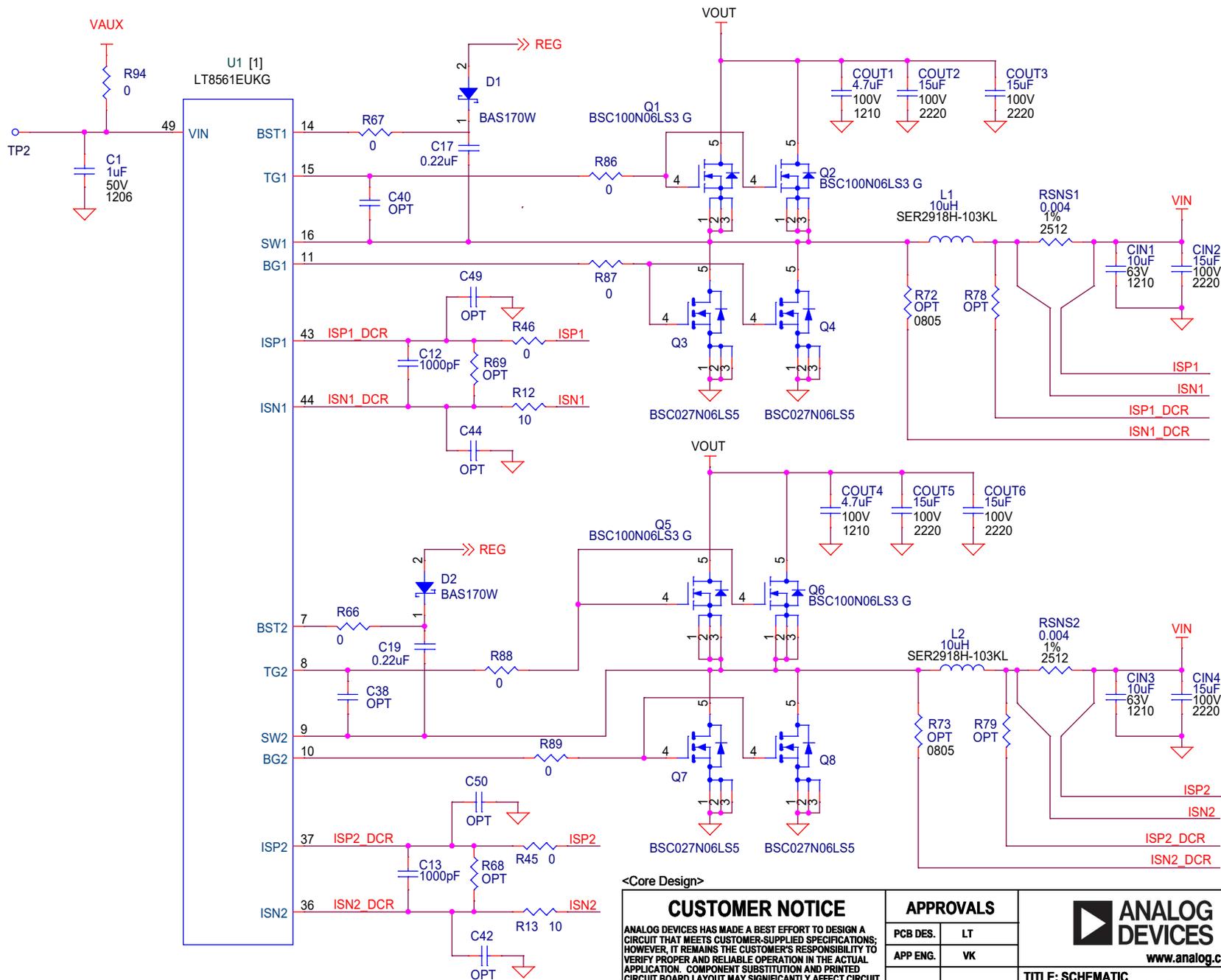
**TITLE: SCHEMATIC**  
**MULTIPHASE BOOST CONVERTER EXPANDER WITH INTERNAL GATE DRIVERS**

IC NO.	LT8561/LT8551EUKG/LTC3769	SCHMATIC NO. AND REVISION:
SKU NO.	DC2896A-(A,B)	<b>710-DC2896A_REV03</b>
SIZE:	N/A	DATE: 01-17-20
		SHEET 1 OF 4

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

1. UNLESS OTHERWISE SPECIFIED, ALL RESISTORS AND CAPACITORS ARE 0603





Multiphase DC/DC converter expander Phase 1 and 2

<Core Design>

**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



www.analog.com

Phone: (408)432-1900

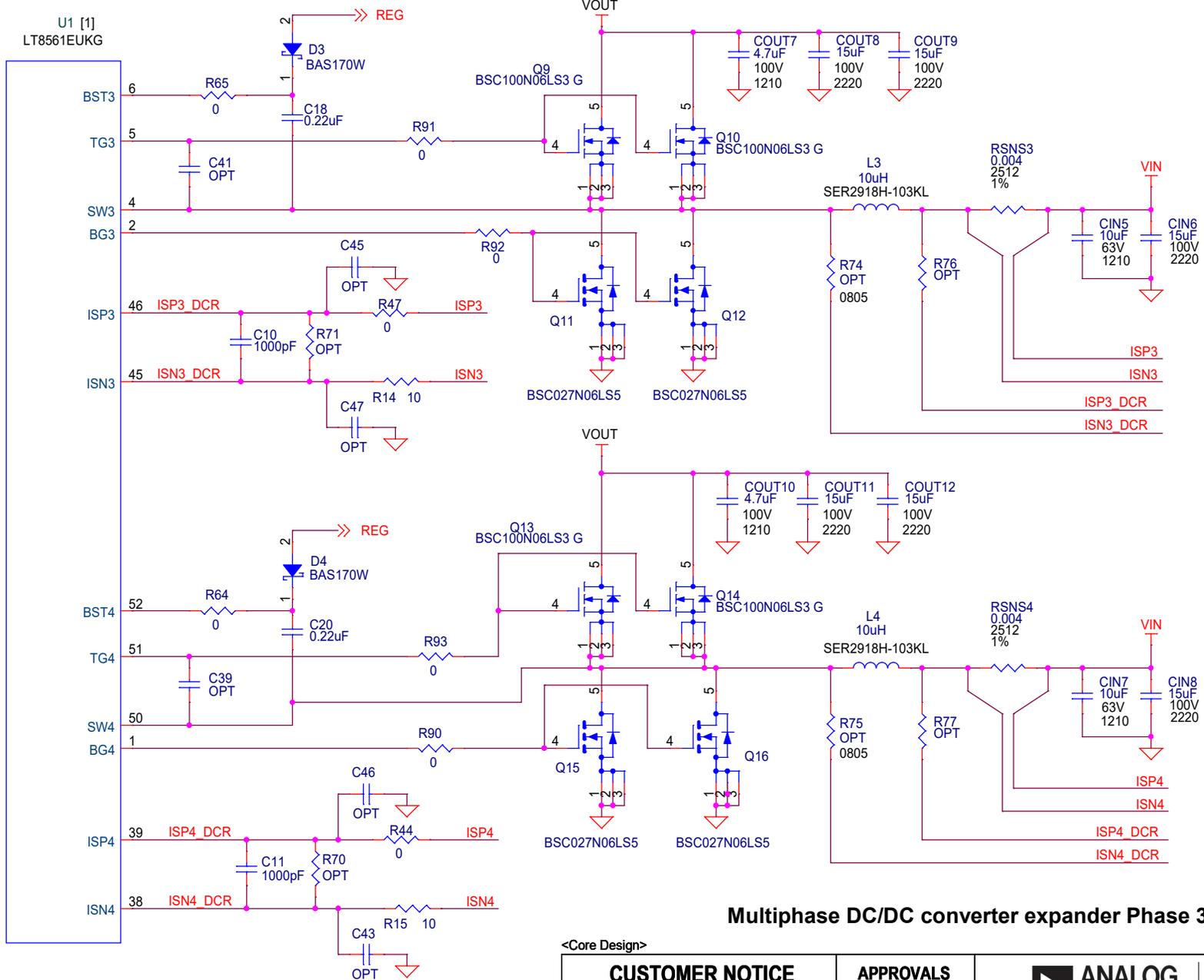
TITLE: SCHEMATIC  
MULTIPHASE BOOST CONVERTER EXPANDER  
WITH INTERNAL GATE DRIVERS

IC NO. LT8561/LT8551EUKG/LTC3769  
SKU NO. DC2896A

SCHEMATIC NO. AND REVISION:  
710-DC2896A\_REV03

SIZE: N/A DATE: 01-17-20

SHEET 3 OF 4



Multiphase DC/DC converter expander Phase 3 and 4

<Core Design>

**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.

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**APPROVALS**

PCB DES.	LT
APP ENG.	VK



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TITLE: SCHEMATIC  
MULTIPHASE BOOST CONVERTER EXPANDER  
WITH INTERNAL GATE DRIVERS

IC NO. LT8561/LT8561EUKG/LTC3769  
SKU NO. DC2896A  
SCHEMATIC NO. AND REVISION:  
710-DC2896A\_REV03

SIZE: N/A DATE: 01-17-20 SHEET 4 OF 4

**ADDITIONAL PARTS**

MP1	STANDOFF,NYLON,SNAP-ON,0.625 (5/8"),15.9mm
MP2	STANDOFF,NYLON,SNAP-ON,0.625 (5/8"),15.9mm
MP3	STANDOFF,NYLON,SNAP-ON,0.625 (5/8"),15.9mm
MP4	STANDOFF,NYLON,SNAP-ON,0.625 (5/8"),15.9mm
LB1	LABEL
STNCL1	TOOL, STENCIL, 700-DC2896A REV03
PCB1	PCB, DC2896A REV03