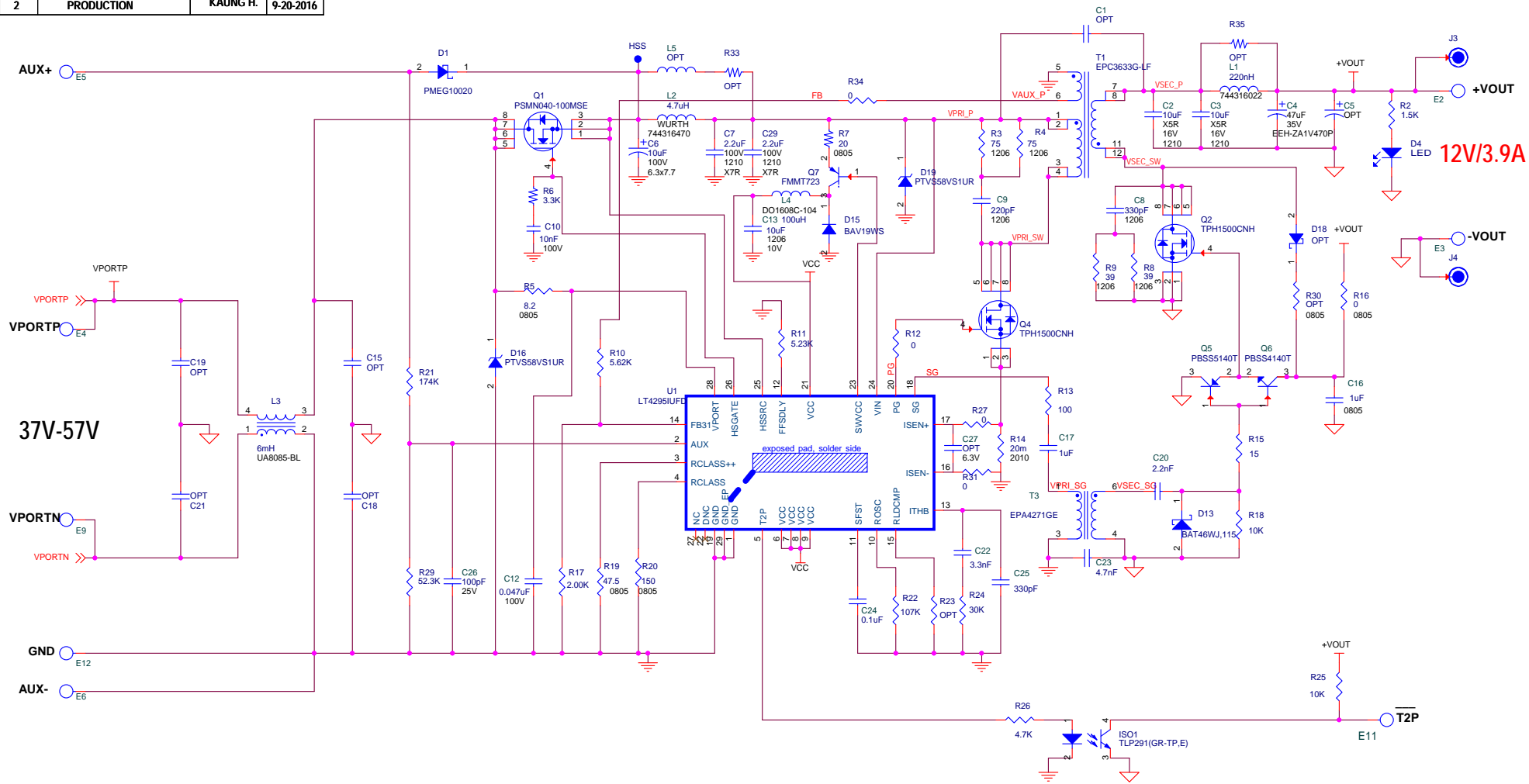


REVISION HISTORY

ECO	REV	DESCRIPTION	APPROVED	DATE
1	2	PRODUCTION	KAUNG H.	9-20-2016



12V/3.9A

37V-57V

OPTIONAL COMPONENTS



D17  
PMEG1020EA\*  
\*BAT54WS Recommended  
for designs with high  
ambient temperatures

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.	K. HTOO
APP ENG.	K. HTOO

SCALE = NONE



1630 McCarthy Blvd.  
Milpitas, CA 95035  
Phone: (408)432-1900  
Fax: (408)434-0507  
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TITLE: SCHEMATIC  
HIGH EFFICIENCY IEEE 802.3bt (PoE++, Type 3, 51W) PD WITH  
FLYBACK DC-DC CONVERTER AND AUXILIARY POWER INPUT

SIZE N/A IC NO. LT4295IUF, LT4321IUF  
DEMO CIRCUIT 2539A-A

DATE: Friday, March 29, 2019

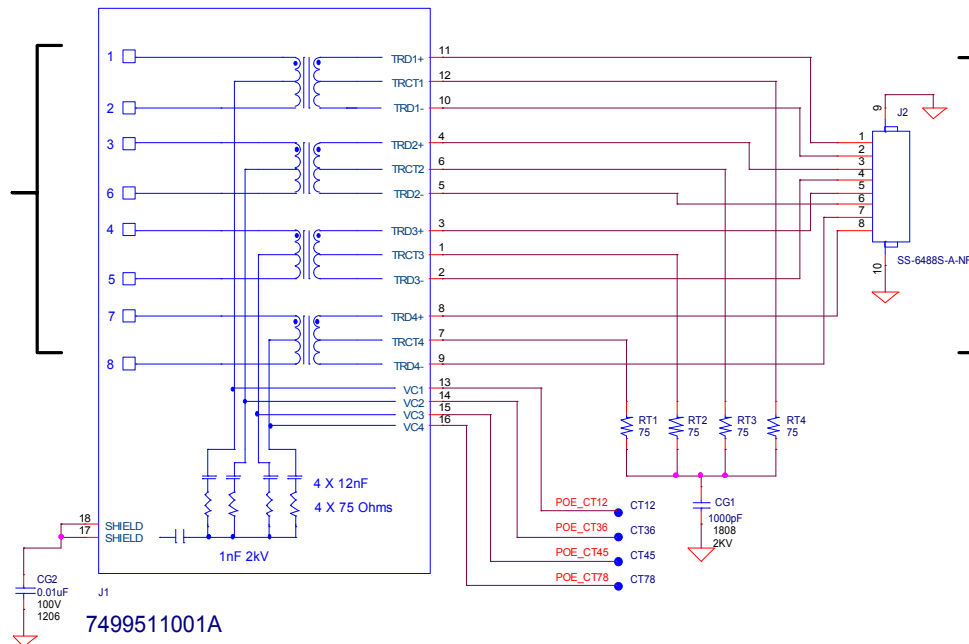
REV. 2

SHEET 1 OF 2

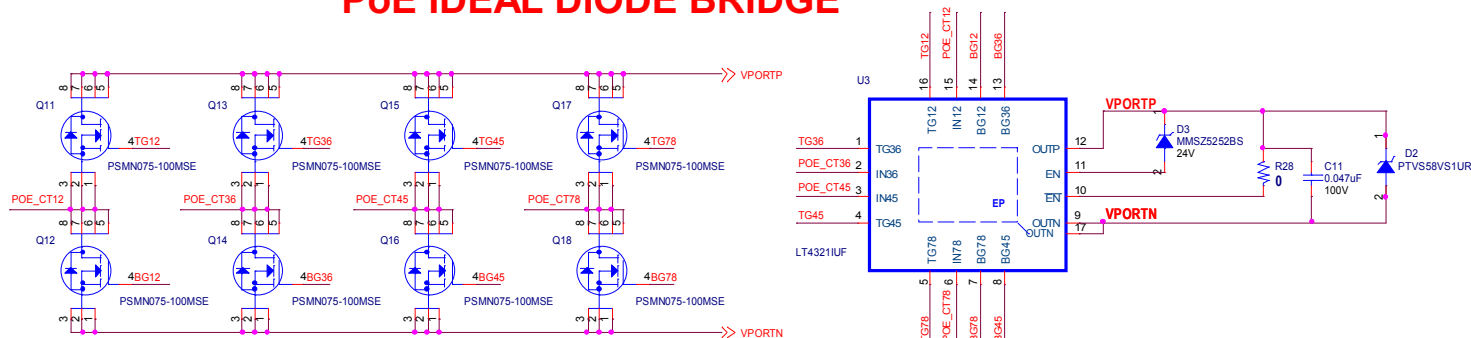
IN FROM  
PoE+  
PSE

OUT  
TO  
PHY

REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
1	2	PROTOTYPE	KAUNG H.	3-3-2016



## PoE IDEAL DIODE BRIDGE



### CUSTOMER NOTICE

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THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.

### APPROVALS

PCB DES. K. HT00

APP ENG. K. HT00

SCALE = NONE



TITLE: SCHEMATIC

HIGH EFFICIENCY IEEE802.3bt PD WITH PoE IDEAL DIODE BRIDGE

SIZE N/A IC NO. LT4295IUFD, LT4321IUF  
DEMO CIRCUIT 2539A-A

DATE: Thursday, July 28, 2016

REV. 2

SHEET 2 OF 2

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Milpitas, CA 95035  
Phone: (408)432-1900 www.linear.com  
Fax: (408)434-0507  
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