

NOTES, UNLESS OTHERWISE SPECIFIED:

1. All components with designators "U", "D", "Y" and "Q" are electrostatic discharge sensitive.
2. The letters DNI near a part mean "do not install".

COMPUTER GENERATED DRAWING. DO NOT REVISE MANUALLY			
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	Initial Release	Aug 2017	
B	Revision B	Dec 2017	
C	Revision C	3/22/2018	

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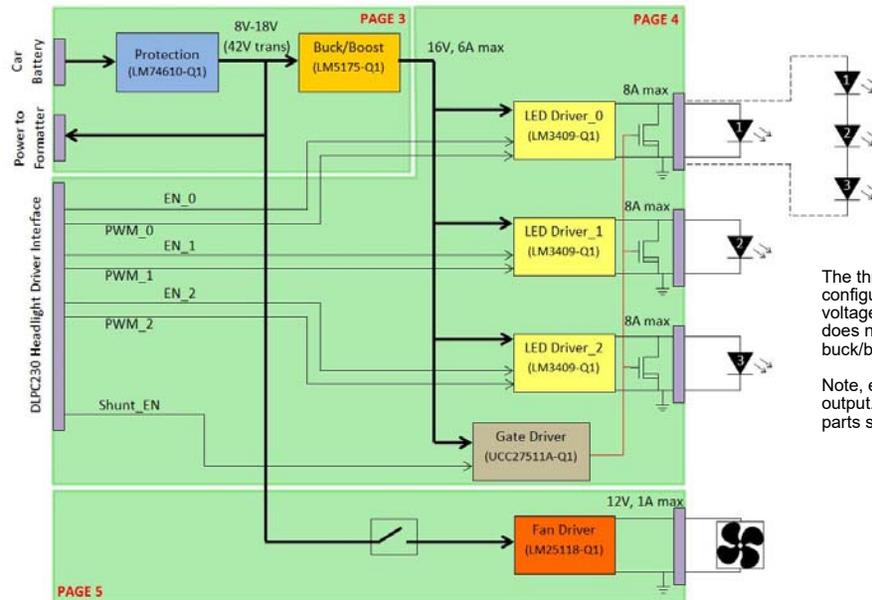
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Z\_PCB1

PCB, DLP553X HL Driver  
DLP006  
2515625



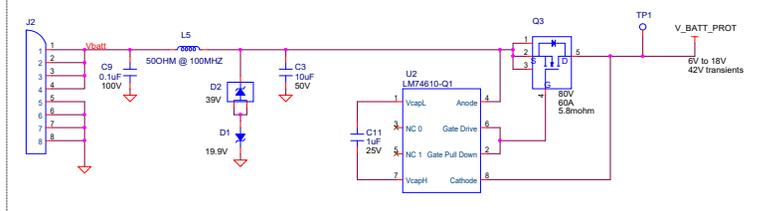
	DWN	Dylan Ashley	DATE	Mar 2018	<b>TEXAS INSTRUMENTS</b> <small>(C) COPYRIGHT 2017 TEXAS INSTRUMENTS            ALL RIGHTS RESERVED</small>	
	ENGR					
	SVST					
	PRJ					
					TITLE	DLP5531-Q1 EVM Headlight Driver - DLP006
NEXT ASSY	USED ON				D	DRAWING NO 2515624
APPLICATION	SW	Cadence Capture 16.6	SCALE		REV	C
						SHEET 1 of 5



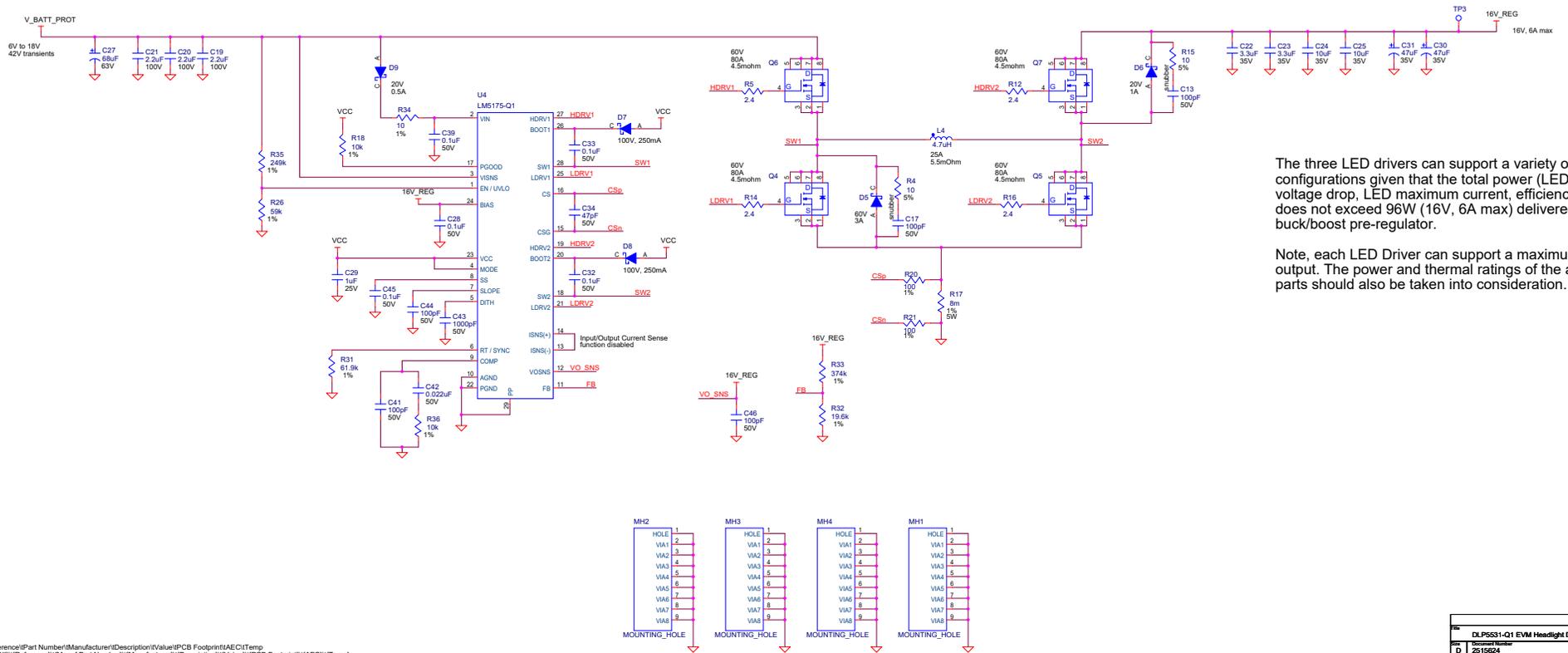
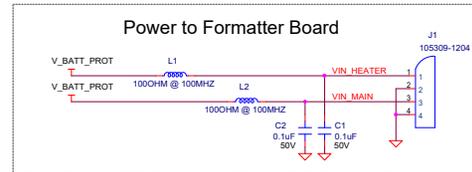
The three LED drivers can support a variety of LED configurations given that the total power (LED forward voltage drop, LED maximum current, efficiency, etc.) does not exceed 96W (16V, 6A max) delivered from the buck/boost pre-regulator.

Note, each LED Driver can support a maximum of 8A output. The power and thermal ratings of the adjacent parts should also be taken into consideration.

### Battery Input Connector and Input Voltage Protection



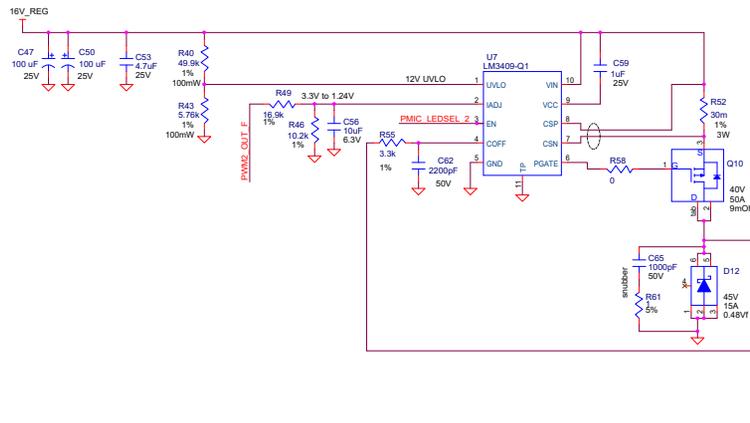
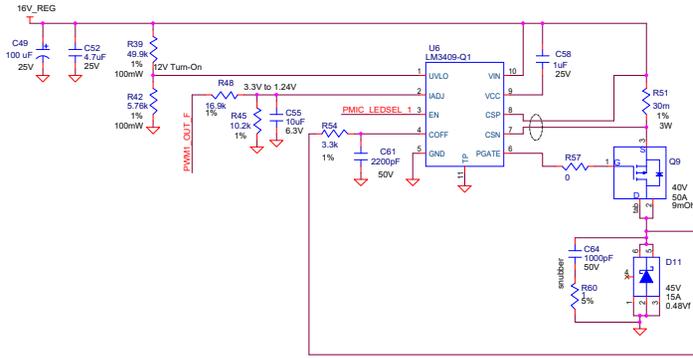
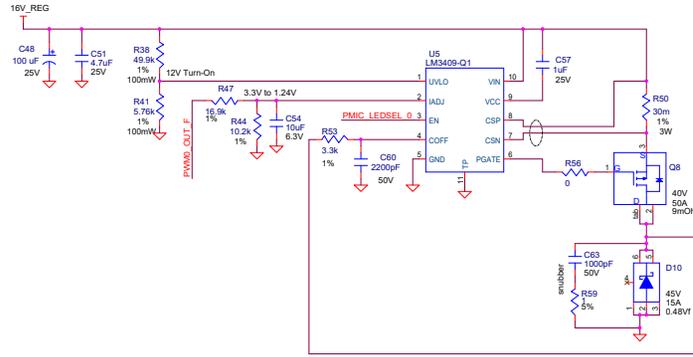
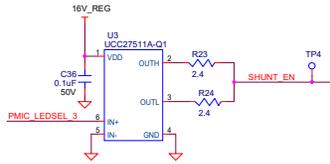
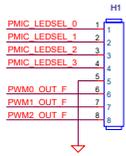
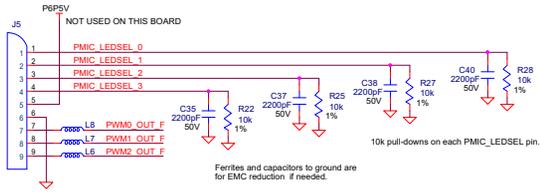
### Power to Formatter Board



The three LED drivers can support a variety of LED configurations given that the total power (LED forward voltage drop, LED maximum current, efficiency, etc.) does not exceed 96W (16V, 6A max) delivered from the buck/boost pre-regulator.

Note, each LED Driver can support a maximum of 8A output. The power and thermal ratings of the adjacent parts should also be taken into consideration.

**HEADLIGHT DRIVER INTERFACE**



The three LED drivers can support a variety of LED configurations given that the total power (LED forward voltage drop, LED maximum current, efficiency, etc.) does not exceed 96W (16V, 6A max) delivered from the buck/boost pre-regulator.

Note, each LED Driver can support a maximum of 8A output. The power and thermal ratings of the adjacent parts should also be taken into consideration.

