



3D-ROBOTIC MAPPING PLATFORM

CAL STATE LONG BEACH - COMPUTER ENGINEERING

ENGINEER: LIAM GOGLEY

DRAWN BY: LIAM GOGLEY

VERIFIED BY: ROBERT DOMINICK

RELEASED BY:

3D-ROMAP Power Supply

SH1 - COVER

SH2 - DIGITAL POWER RAILS

SH3 - MOTOR POWER RAILS

TEAM MEMBERS:

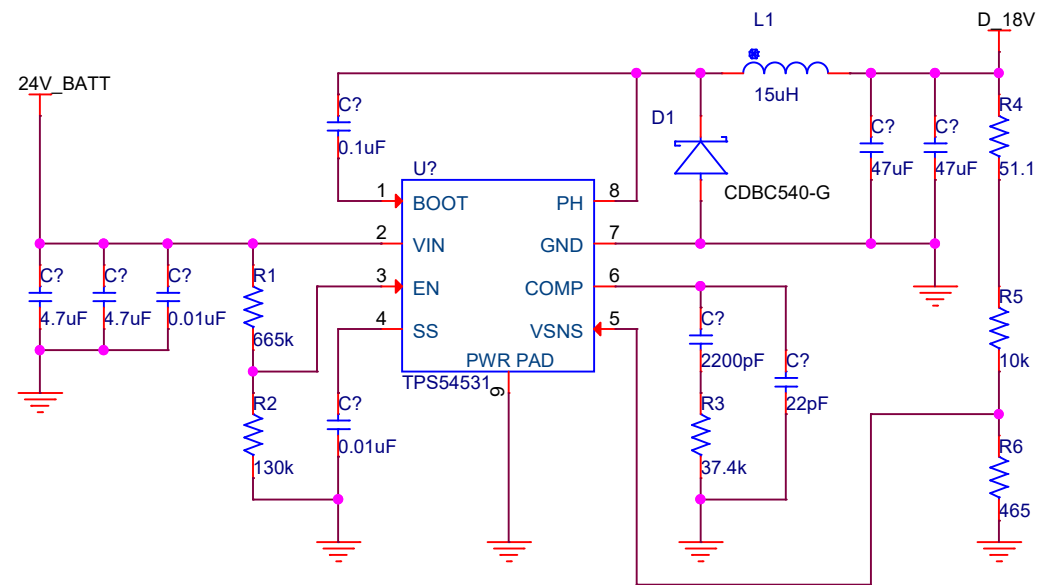
LIAM GOGLEY

ROBERT DOMINICK

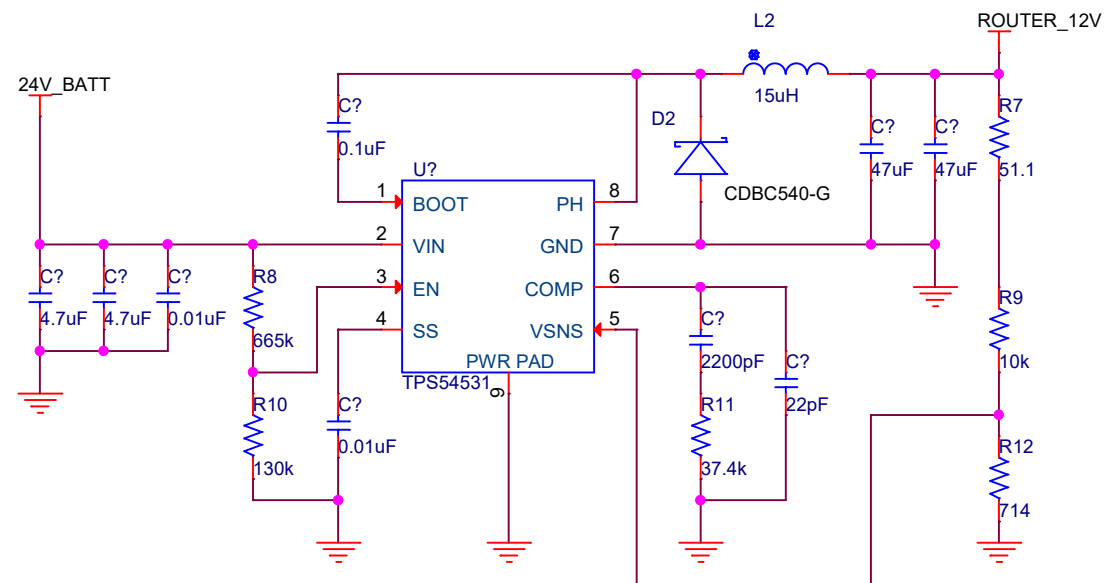
MARK MUNOZ

DANIEL TRAN

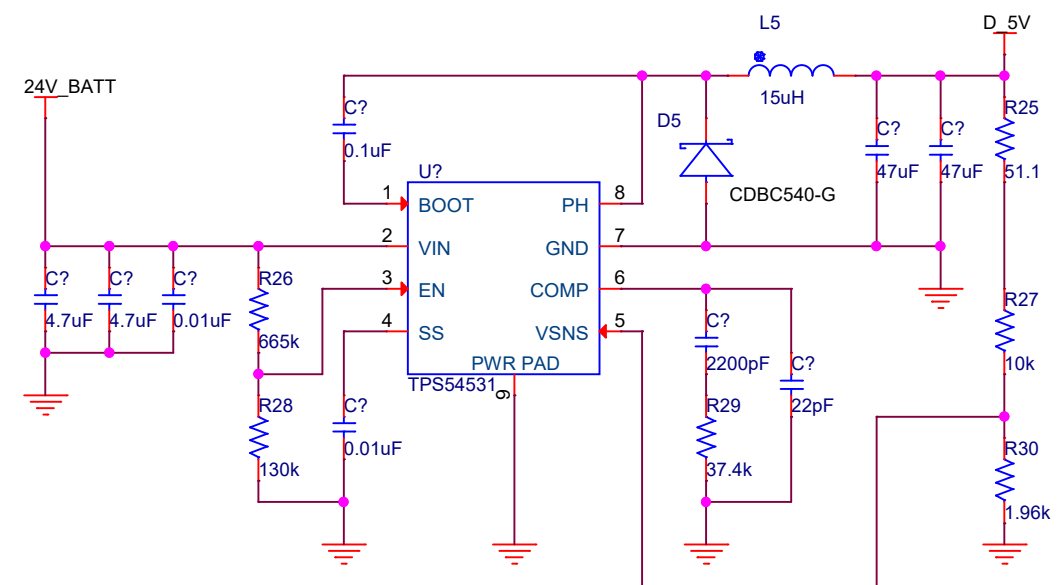
Title		
3D-ROMAP Power Supply		
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18V Power to Jetson TX1
 $465 = (10k * 0v8) / (18v - 0v8)$

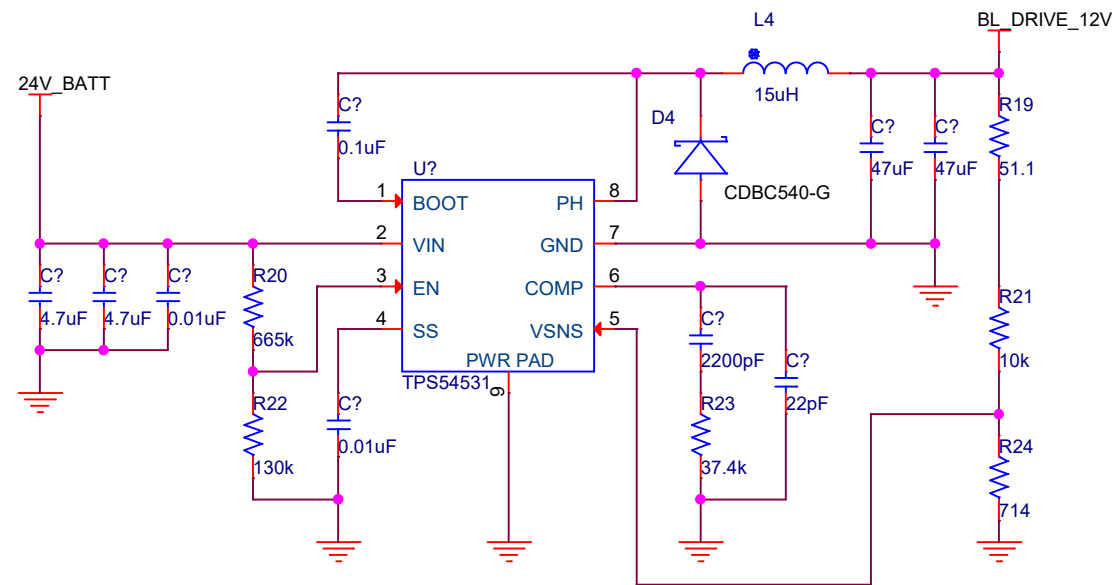


12V Power to WiFi Router
 $714 = (10k * 0v8) / (12v - 0v8)$

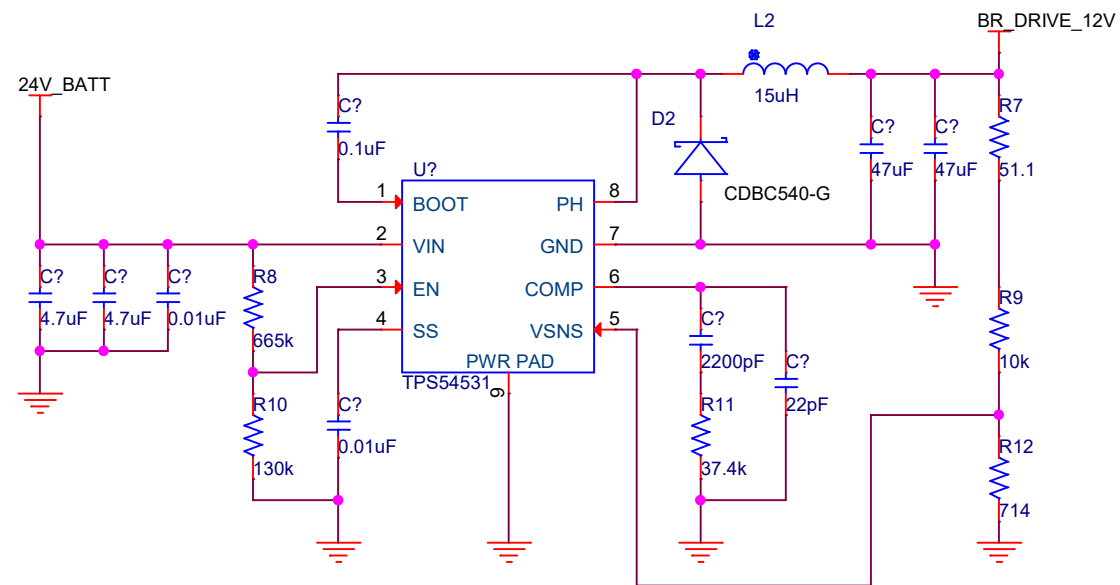


5V Power to Tiva C Launchpad VBUS
 $1k96 = (10k * 0v8) / (12v - 0v8)$

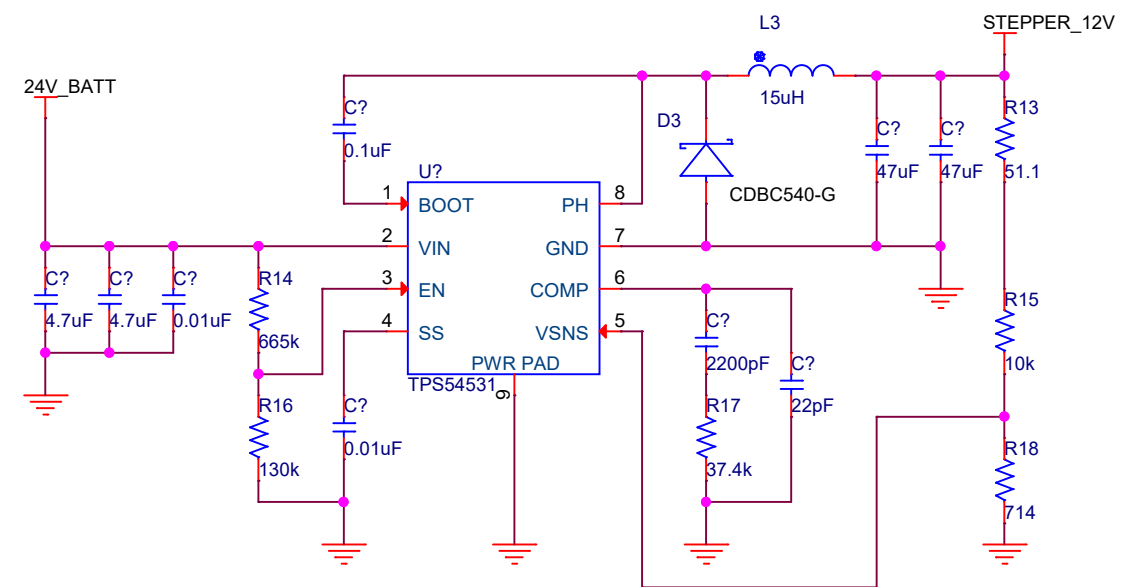
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12V Power to Back Left Drive Motor



12V Power to Back Right Drive Motor



12V Power to LiDAR Stepper Motor

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