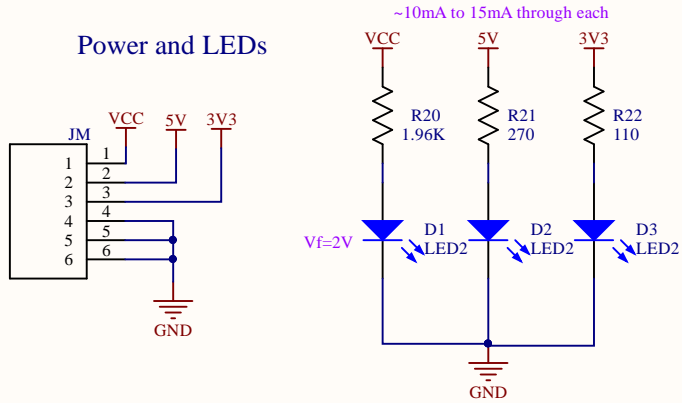
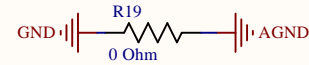


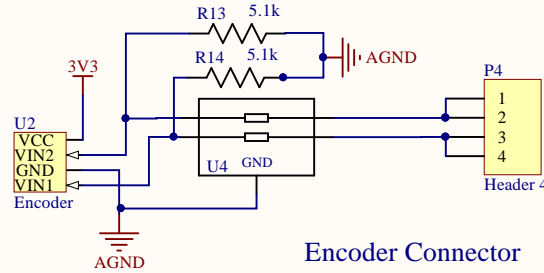
## Power and LEDs



## Ground Separation

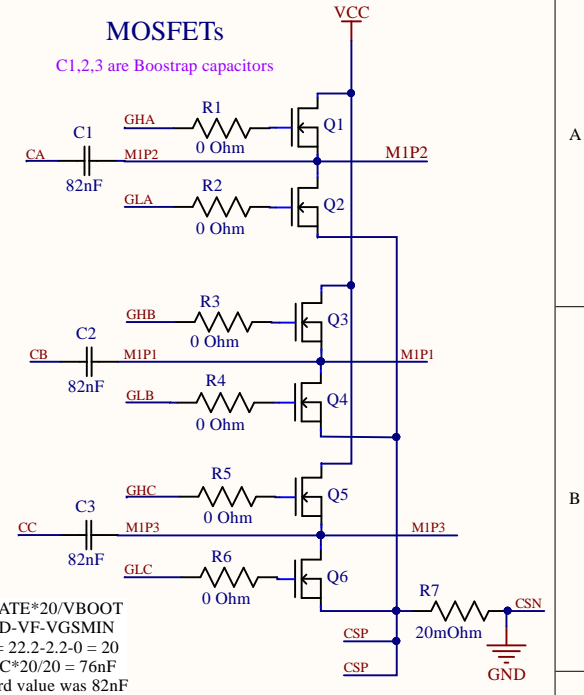


## Encoder Connector



## MOSFETs

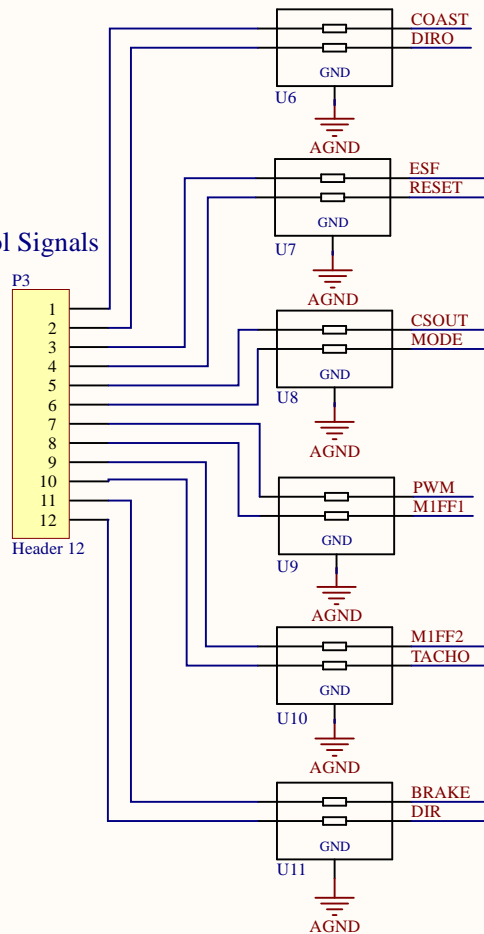
C1,2,3 are Bootstrap capacitors



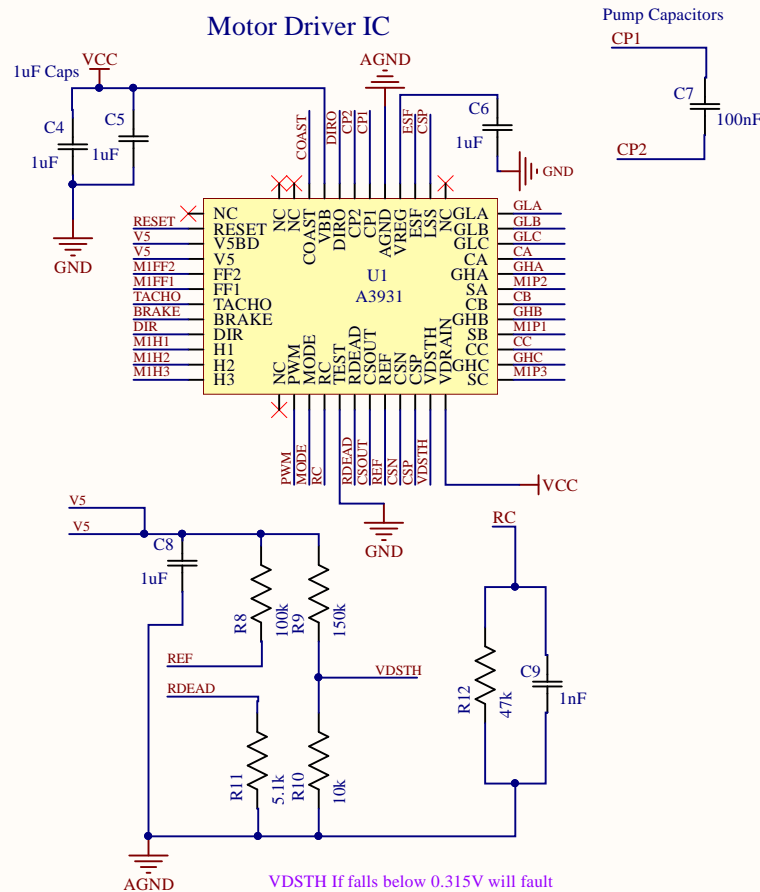
CBOOT = QGATE\*20/VBOOT  
VBOOT = VDD-VF-VGSMIN  
VBOOTMIN = 22.2-2.2-0 = 20  
CBOOT = 76nC\*20/20 = 76nF  
Closest standard value was 82nF

R7=RSense, low tolerance res

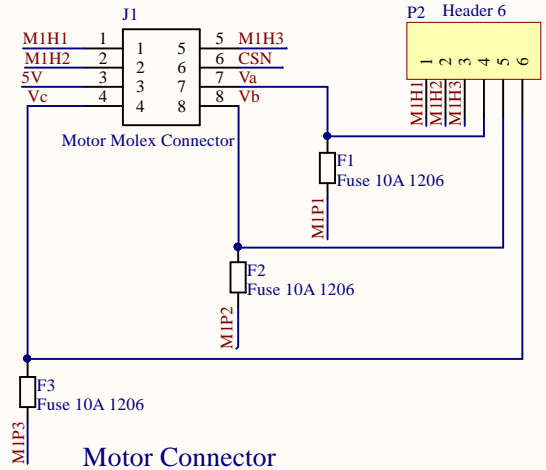
## Control Signals



## Motor Driver IC



VDSTH If falls below 0.315V will fault



## Motor Connector

Title			Revision	
3phasedriver			2	
Size	Number		of	
A4				
Date:	2020-01-10		Sheet	of
File:	C:\Users\...\3phasedriver.SchDoc		Drawn By:	

