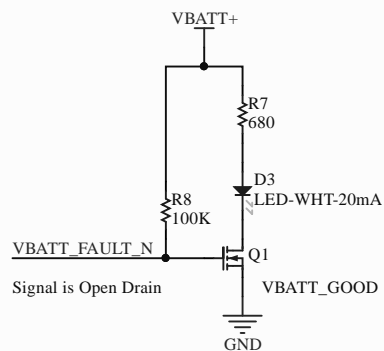
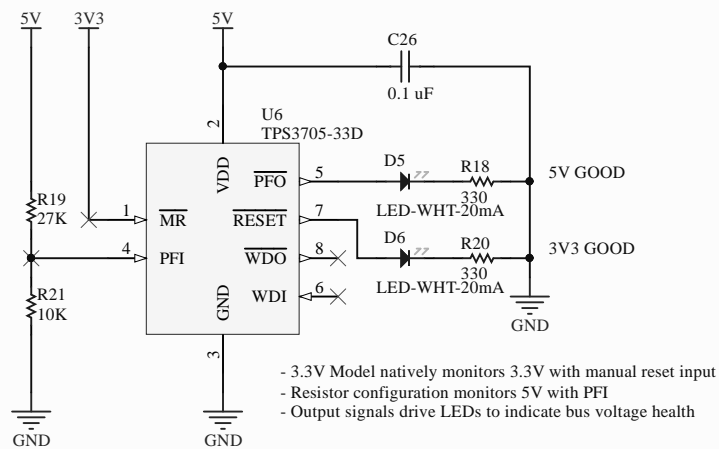




## VBATT Monitoring



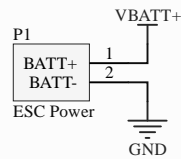
## 5V and 3V3 Monitoring



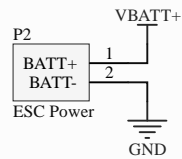
Title		
Fault-Tolerant Quadcopter		
Size	Number	Revision
A		A
Date:	11/11/2018	Sheet M of N
File:	C:\Users\...\monitoring.SchDoc	Drawn By: Vaughn Kottler

ESC Power Distribution

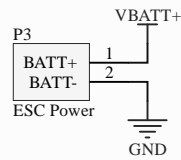
NEGX Motor Interface



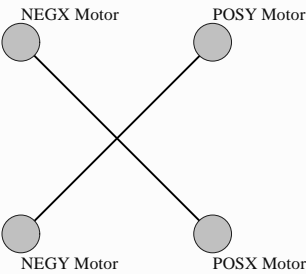
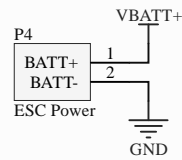
POSY Motor Interface



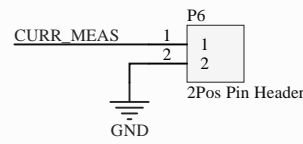
NEGY Motor Interface



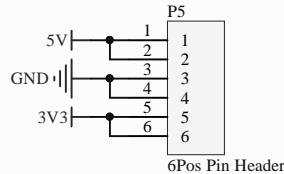
POSX Motor Interface



Current Measurements

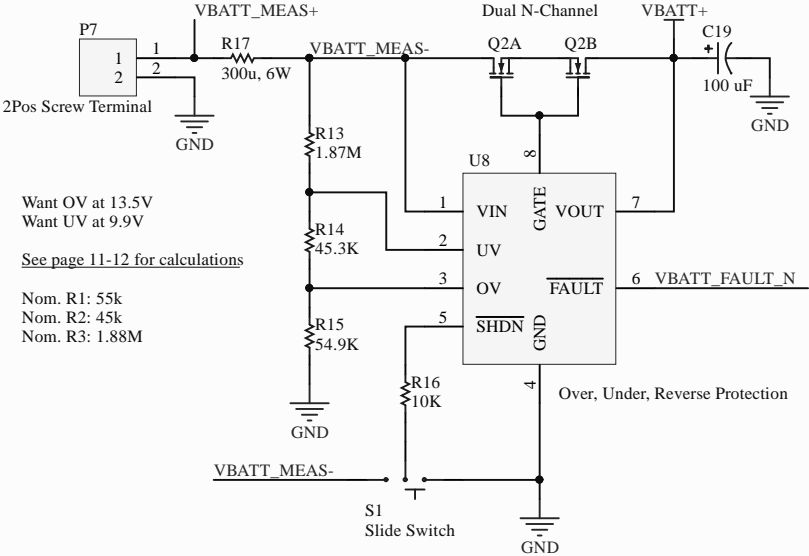


Low Voltage Power (to Flight Controller)

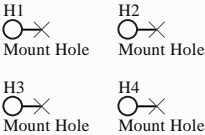


Title			
Fault-Tolerant Quadcopter			
Size	Number	Revision	
A	Power Distribution		A
Date:	11/11/2018	Sheet M	of N
File:	C:\Users\...\outputs.SchDoc	Drawn By: Vaughn Kottler	

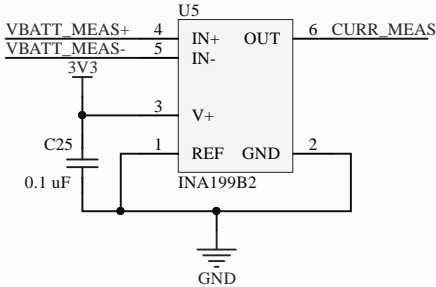
External Power Input (3S LiPo)



Want OV at 13.5V  
Want UV at 9.9V  
[See page 11-12 for calculations](#)  
Nom. R1: 55k  
Nom. R2: 45k  
Nom. R3: 1.88M



Overall Current Measurement



Title		
Fault-Tolerant Quadcopter		
Size	Number	Revision
A	Power Distribution	A
Date:	11/11/2018	Sheet M of N
File:	C:\Users\...\raw_input.SchDoc	Drawn By: Vaughn Kottler