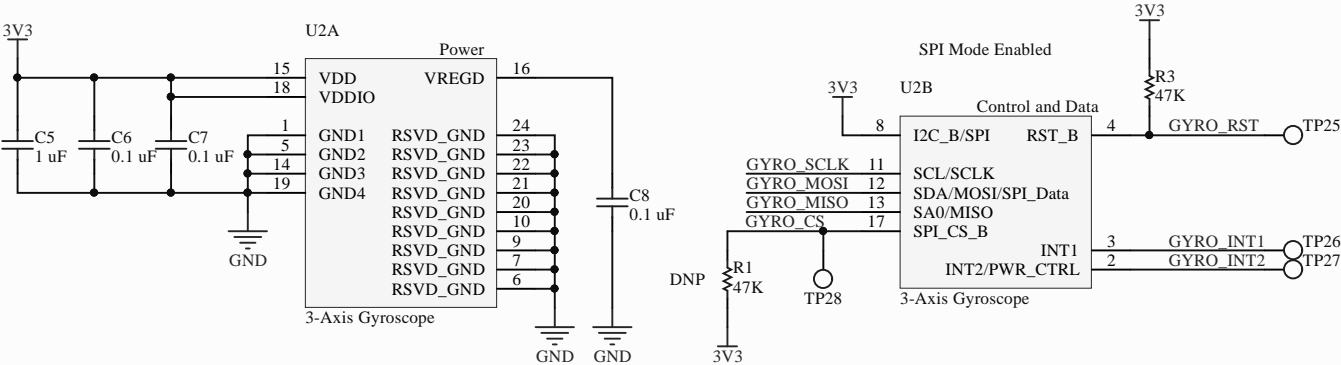




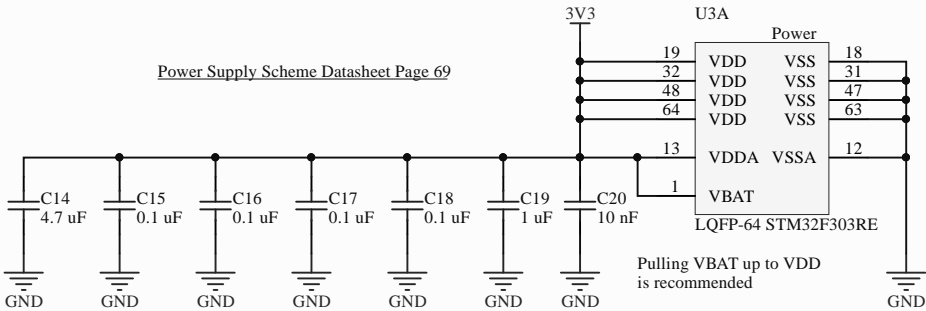
Drawn By: Vaughn Kottler



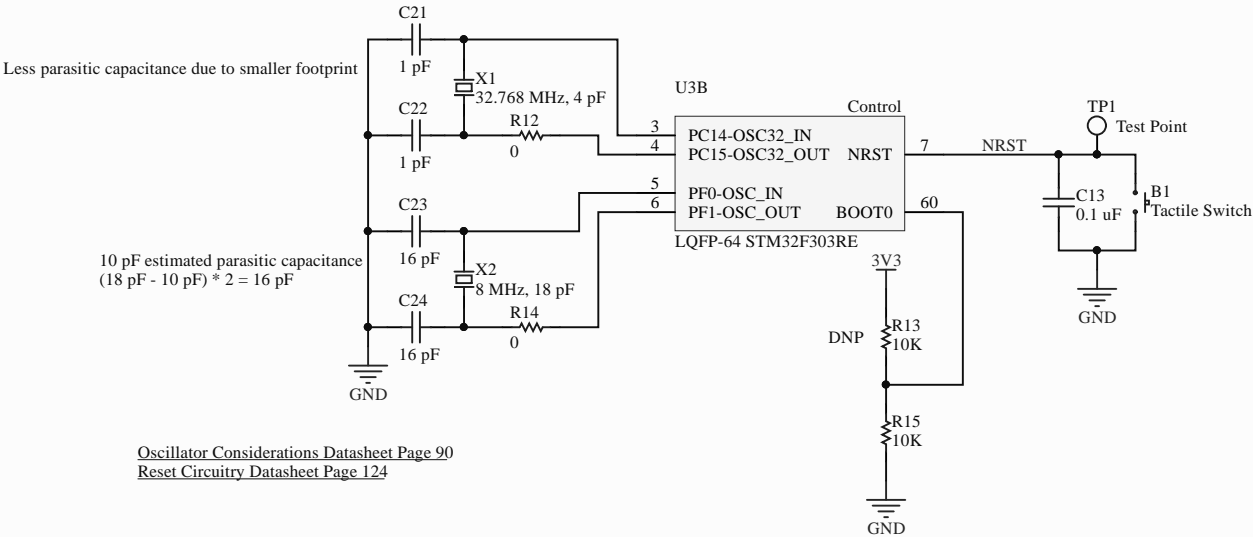
Reference Design Page 7 of Datasheet

Title			Fault-Tolerant Quadcopter		
Size	Number		Revision		
A	Flight Computer		A		
Date:	11/18/2018		Sheet M	of N	
File:	C:\Users\...\gyro.SchDoc		Drawn By: Vaughn Kottler		

Power Pin De-Coupling



Oscillators, Reset and Boot Pins



Title			
Fault-Tolerant Quadcopter			
Size	Number	Revision	
A		A	
Date:	11/18/2018	Sheet M	of N
File:	C:\Users\...\mcu_power.SchDoc	Drawn By: Vaughn Kottler	

A

B

C

D

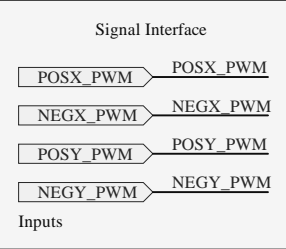
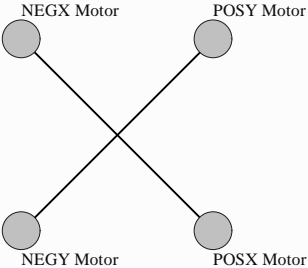
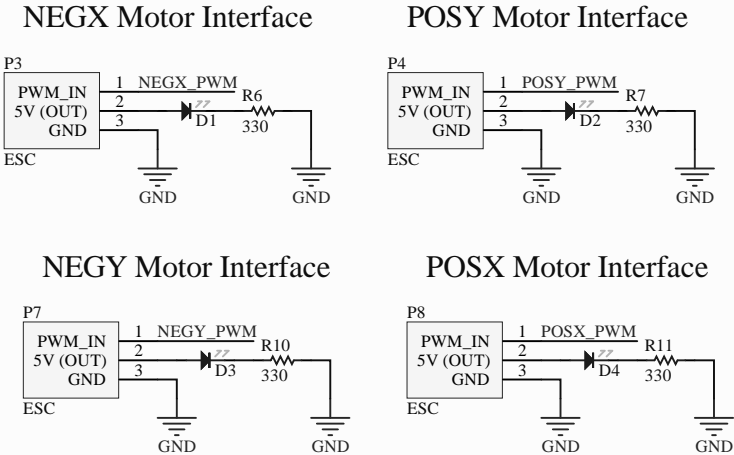
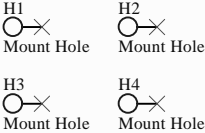
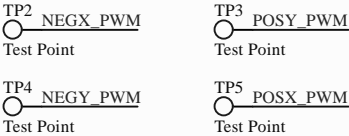
A

B

C

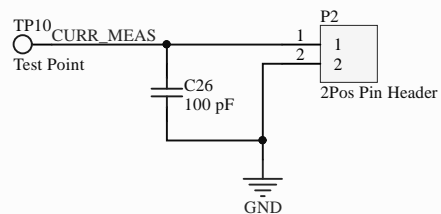
D

Design Intent:
Drive LED with ESC's BEC (5V output) to ensure it's on

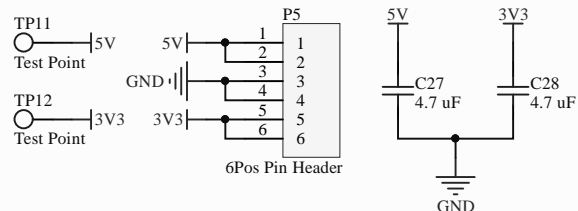


Title			
Fault-Tolerant Quadcopter			
Size	Number	Revision	
A		A	
Date:	11/18/2018	Sheet M	of N
File:	C:\Users\...\motor_control.SchDoc	Drawn By: Vaughn Kottler	

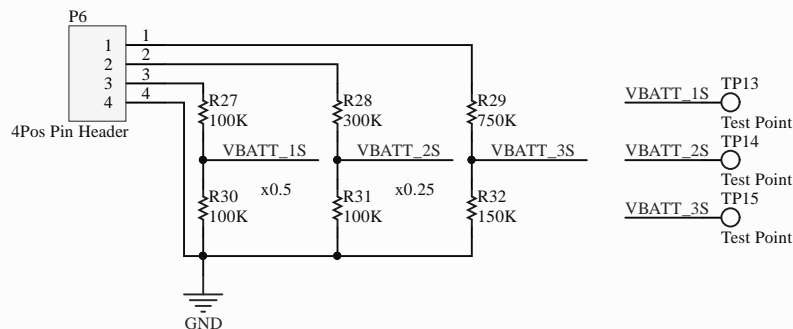
Current Measurements



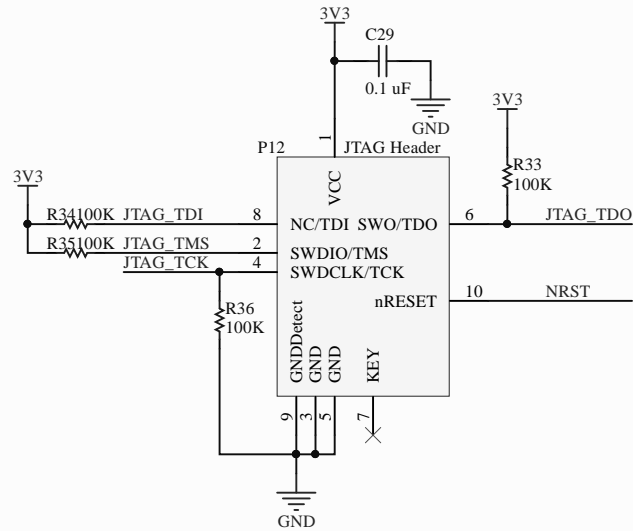
Low Voltage Power (from Power Dist. Board)



Balance Leads

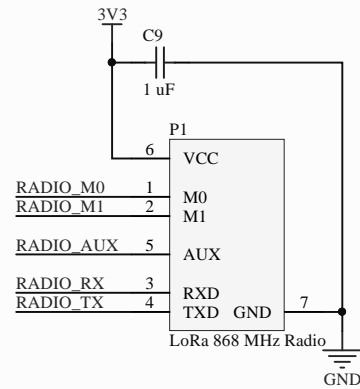
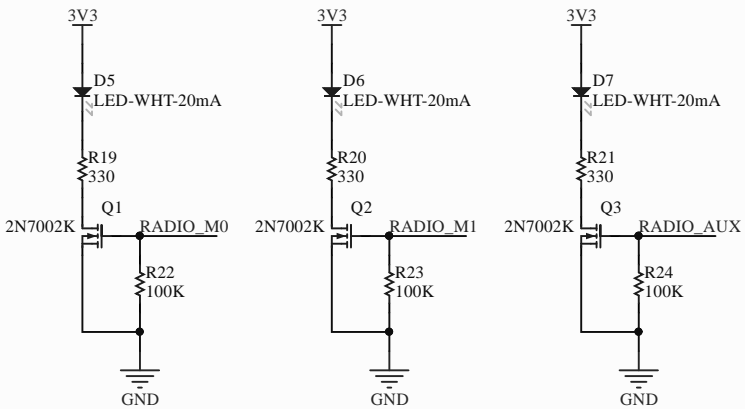


Title		
Fault-Tolerant Quadcopter		
Size	Number	Revision
A	Flight Computer	A
Date:	11/18/2018	Sheet M of N
File:	C:\Users\...\power.SchDoc	Drawn By: Vaughn Kottler

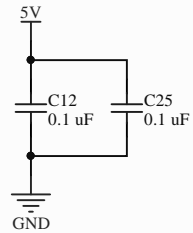
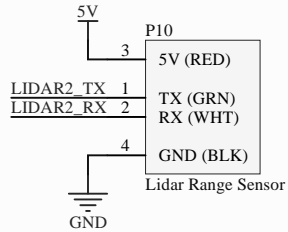
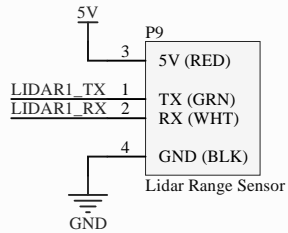
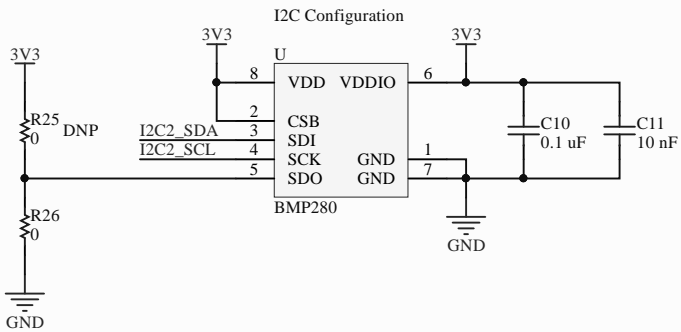


Pull-up vs. Pull-down Configuration Reference

Title			
Fault-Tolerant Quadcopter			
Size	Number	Revision	
A		A	
Date:	11/18/2018	Sheet M	of N
File:	C:\Users\...\programming.SchDoc	Drawn By: Vaughn Kottler	

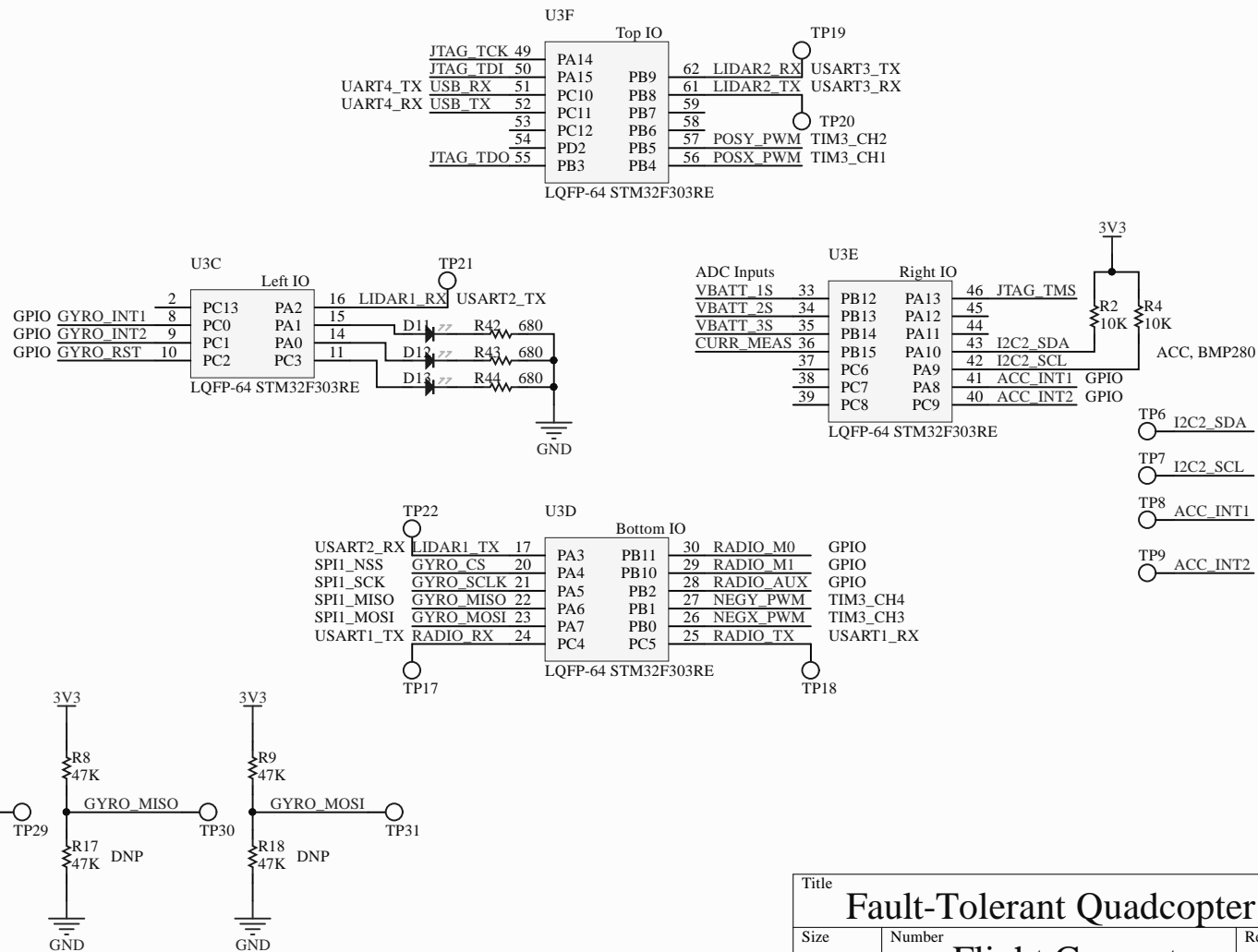


Title			Fault-Tolerant Quadcopter	
Size	A	Number	Flight Computer	
Date:	11/18/2018	Sheet M	of N	Revision
File:	C:\Users\...\radio.SchDoc	Drawn By:	Vaughn Kottler	A



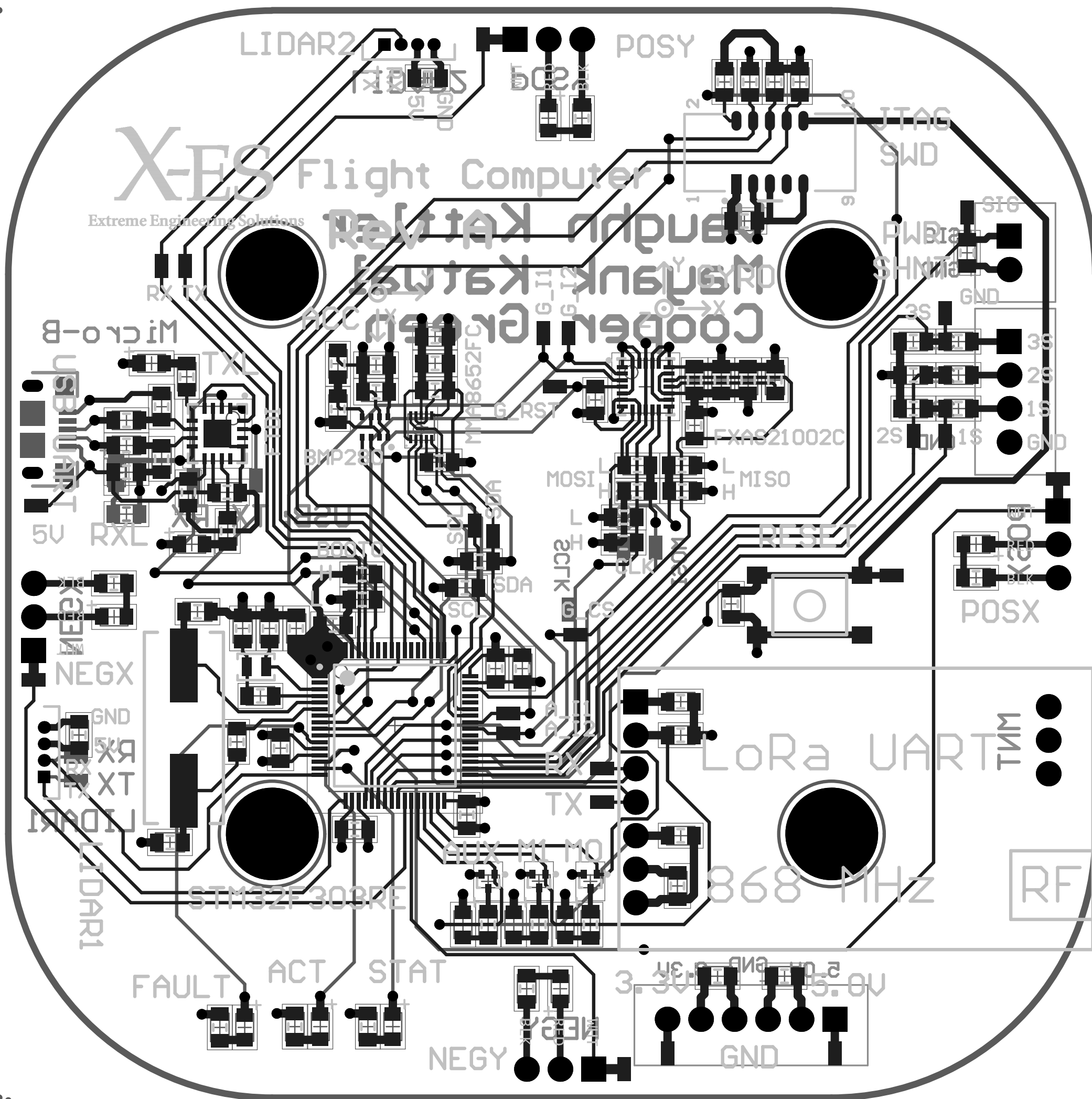
Title			
Fault-Tolerant Quadcopter			
Size	Number		Revision
A	Flight Computer		A
Date:	11/18/2018	Sheet M	of N
File:	C:\Users\...\sensors.SchDoc	Drawn By: Vaughn Kottler	

A



Title		
Fault-Tolerant Quadcopter		
Size	Number	Revision
A	Flight Computer	
Date: 11/18/2018		Sheet M of N
File: C:\Users\...\top_level.SchDoc		Drawn By: Vaughn Kottler

81.95mm (3226.38mil)



81.95mm (3226.38mil)