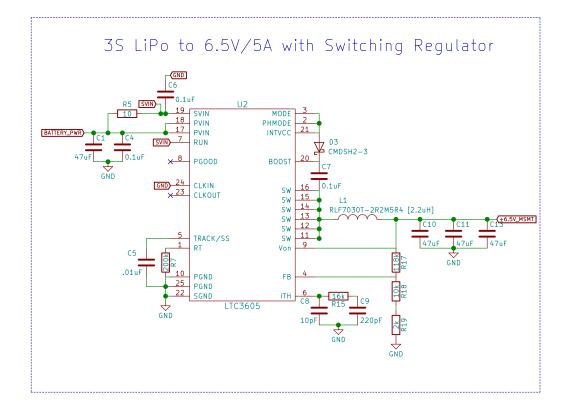
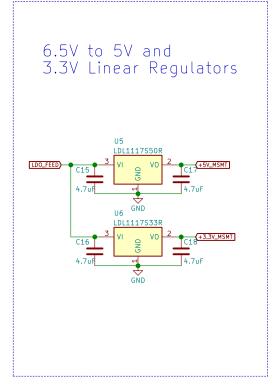
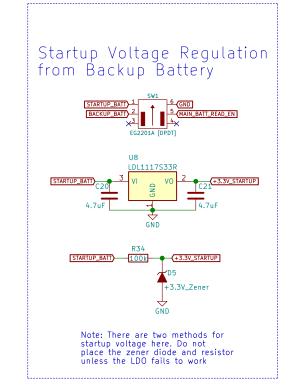


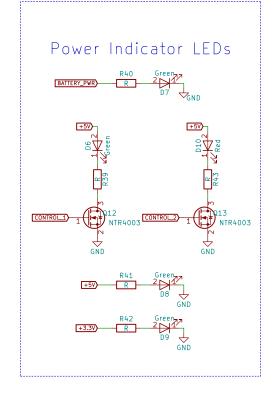
Note: Make sure to use at least half-watt resistors for current sense

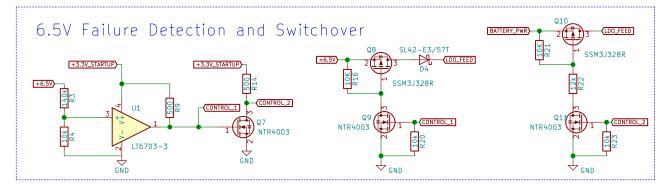




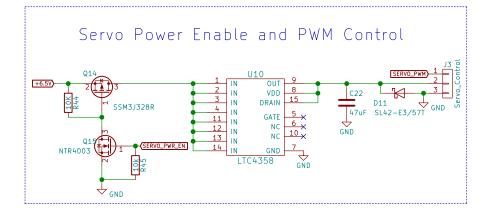


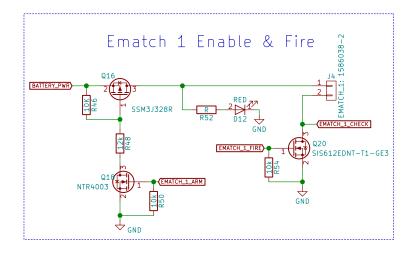


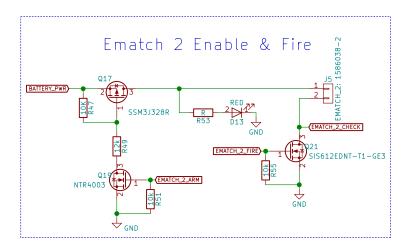




Sheet: /				
File: MainboardRev1.sch				
Title:				
Size: A3	Date:			Rev:
KiCad E.D.A. ki	cad 4.0.4—stable			ld: 1/6
	7			8





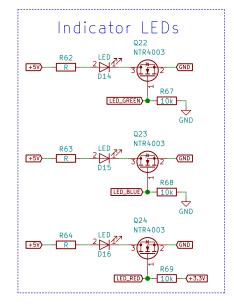


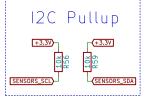
Sheet: /Actuatio File: Actuation.so				
Title:				
Size: A4	Date:		Rev:	
KiCad E.D.A. kic	ad 4.0.4-s	table	ld: 2/6	
4		5		——- _e

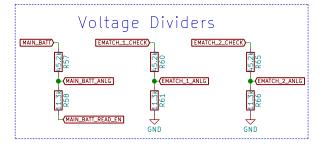
Teensy 3.6 Micocontroller

U11

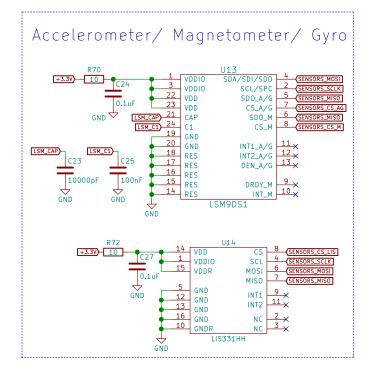
```
GND 1
COMMS_MISO 3
SERVO_PWM 4
SENSORS_SCL 5
SENSORS_SDA 6
LORA_RESET 7
LORA_RESET 7
SENSORS_RY 9
SENSORS_TX 10
COMMS_TX 12
SENSORS_MOS) 13
SENSORS_MOS) 13
SENSORS_MOS) 14
LED_BLUE 16
LED_BLUE 16
LED_BLUE 16
LED_BLUE 16
BACKUP_BAT_EN 19
LED_GREEN 20
SERVO_PWR_EN 21
SERVO_PWR_EN 20
SERVO_PWR_EN 21
SERVO_PWR_EN 20
SERV
                                                         GND 1 GND
    EMATCH_1_ARM) 30 33_A14_CAN1TX_scl0
 AGND
                                                                                                                                                                                                                                        3.3V_max250mA
                                                                                                                                                                                                                               23_A9_PWM_Touch
                                                                                                                                                                                                                              22_A8_PWM_Touch 49 (SWITCH_4)
                                                                                                                                                                                                             21_A7_PWM_CS0_sck1
                                                                                                                                                                                                                                                                                                                                    47 (SWITCH_2
                                                                                                                                                                                              20_A6_PWM_CS0_sck1
     Teensy3.6
```

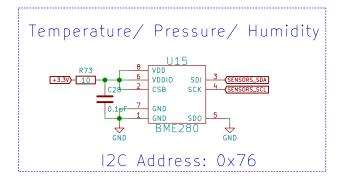


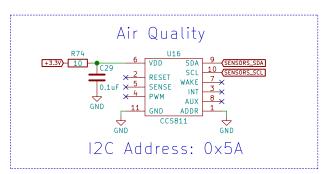


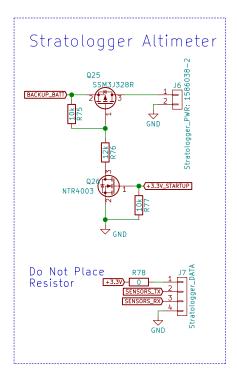


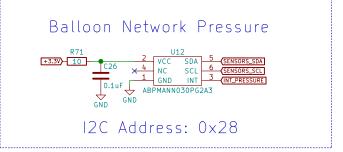
Sheet: /Controller/				
File: Controller.sch				
Title:				
Size: A4	Date:	Rev:		
KiCad E.D.A. kicad 4.0.4—stable		ld: 3/6		



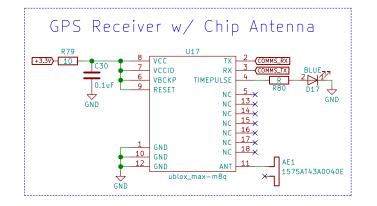


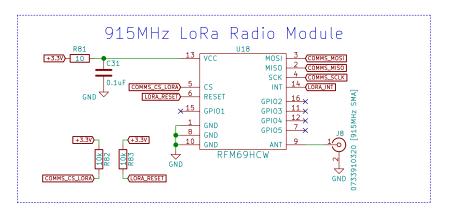






Sheet: /Sensors, File: Sensors.sch					
Title:					
Size: A4	Date:			Rev:	
KiCad E.D.A. kid	ad 4.0.4-s	table		ld: 4/6	
1.					





Sheet: /Communications/
File: Communications.sch

Title:
Size: A4 Date: Rev:

 Size: A4
 Date:
 Rev:

 KiCad E.D.A. kicad 4.0.4-stable
 Id: 5/6

