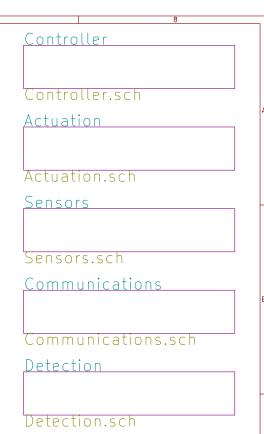
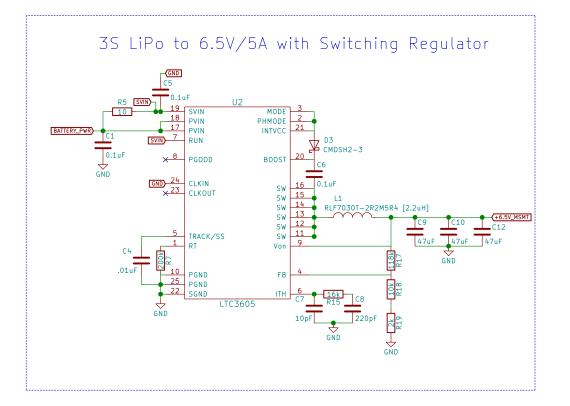
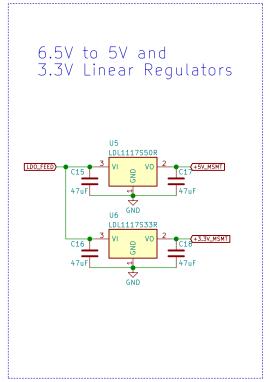
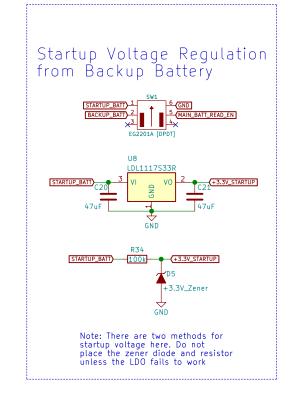


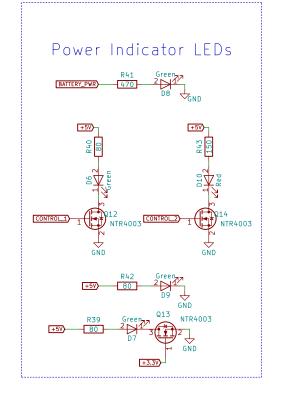
Note: Make sure to use at least half-watt resistors for current sense

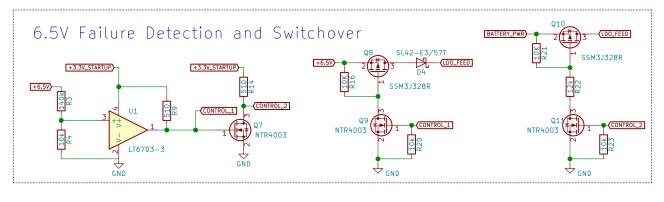


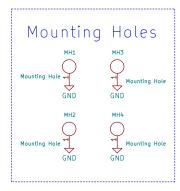


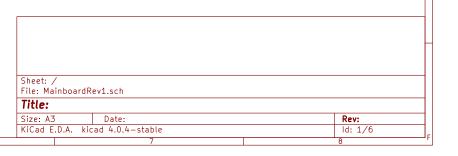


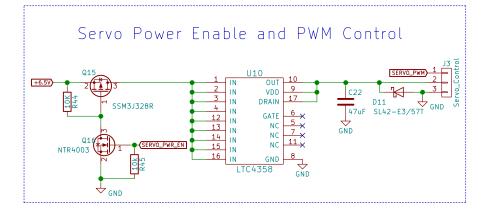


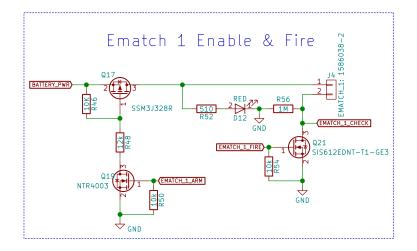


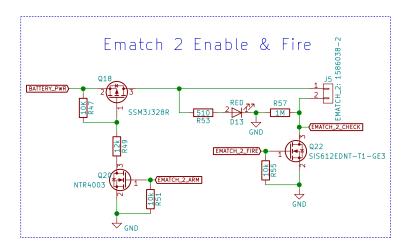










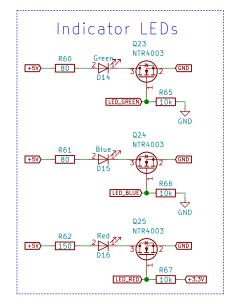


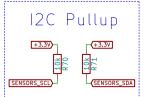
Sheet: /Actuation/ File: Actuation.sch			
Title:			
Size: A4	ate:		Rev:
KiCad E.D.A. kicad	4.0.4-s	table	ld: 2/6
4		5	

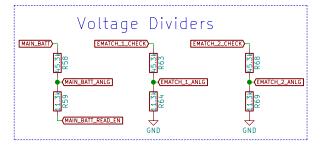
Teensy 3.6 Micocontroller

U11

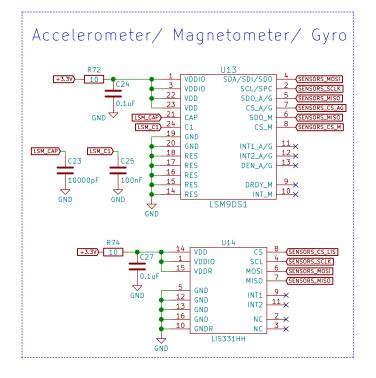
```
GND 1
COMMS_MISO 3
SERVO_PWM 4
SENSORS_SCL 5
SENSORS_SDA 6
LORA_RESET 7
LORA_RESET 7
SENSORS_RY 9
SENSORS_TX 10
COMMS_TX 12
SENSORS_MOS) 13
SENSORS_MOS) 13
SENSORS_MOS) 14
LED_BLUE 16
LED_BLUE 16
LED_BLUE 16
LED_BLUE 16
BACKUP_BAT_EN 19
LED_GREEN 20
SERVO_PWR_EN 21
SERVO_PWR_EN 20
SERVO_PWR_EN 21
SERVO_PWR_EN 20
SERV
                                                                                                      GND 1 GND
       | EMATCH_LARPJ 30 | 33_A14_CAN1TX_scl0 | EMATCH_LARPJ 31 | 34_A15_CAN1TX_sda0 | 34_A15_CAN1TX_sda0 | 35_A16_PWM | 35_A16_PWM | 35_A16_PWM | 37_A18_PWM_SCl1 | 38_A19_PWM_SDa1 | 38_A19_PWM_SDa1 | 39_A20 | 39_A20 | A22_DAC1 | A22_DAC1 | A22_DAC1 | A21_DAC0 | A21_DAC0 | A22_DAC1 | A21_DAC0 | A21_DAC0
                         EMATCH_1_ARM) 30 33_A14_CAN1TX_scl0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AGND
                                                                                                                                                                                                                                                                                                                                                                                                                                  3.3V_max250mA
                                                                                                                                                                                                                                                                                                                                                                                                                23_A9_PWM_Touch
                                                                                                                                                                                                                                                                                                                                                                                                              22_A8_PWM_Touch 49 (SWITCH_4)
                      GND 39
GND GND 13_SCKO_LED
                                                                                                                                                                                                                                                                                                                                                                                21_A7_PWM_CS0_sck1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       47 (SWITCH_2)
                                                                                                                                                                                                                                                                                                                                                    20_A6_PWM_CS0_sck1
       Teensy3.6
```

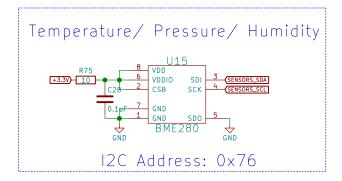


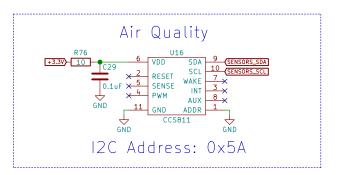


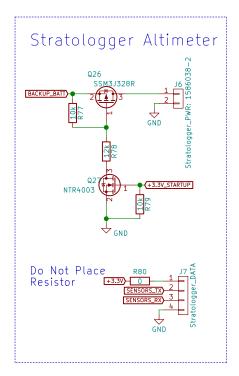


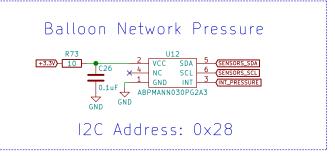
Sheet: /Contro File: Controller			
Title:			
Size: A4	Date:		Rev:
KiCad E.D.A. kicad 4.0.4—stable		ld: 3/6	
4		5	



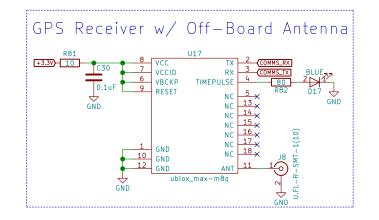


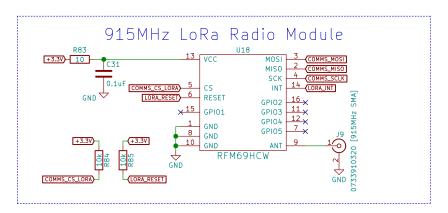






heet: /Sensors ile: Sensors.sc				D)
itle:					
ize: A4	Date:		Rev:		
iCad E.D.A. ki	cad 4.0.4-s	stable	ld: 4/6		
4		F	r'		

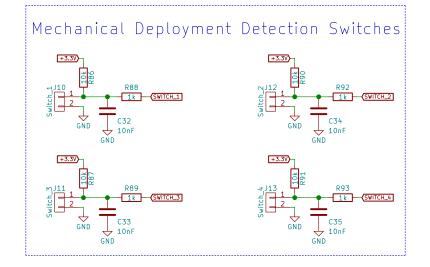


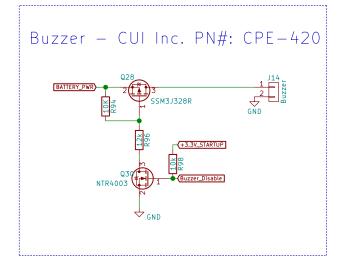


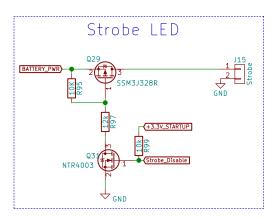
Sheet: /Communications/
File: Communications.sch

Title:
Size: A4 Date: Rev:
KiCad E.D.A. kicad 4.0.4-stable Id: 5/6

KiCad E.D.A. kicad 4.0.4-stable







Sheet: /Detectio				— D
Title:				71
Size: A4	Date:		Rev:	71
KiCad E.D.A. kid	ad 4.0.4-sta	ble	ld: 6/6	
4		5	i i	<u>—</u> 6 I