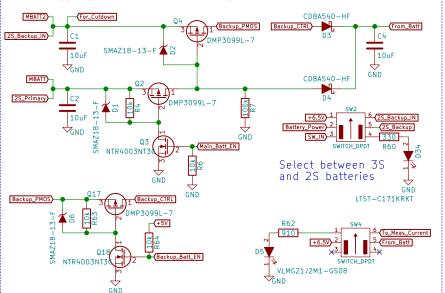
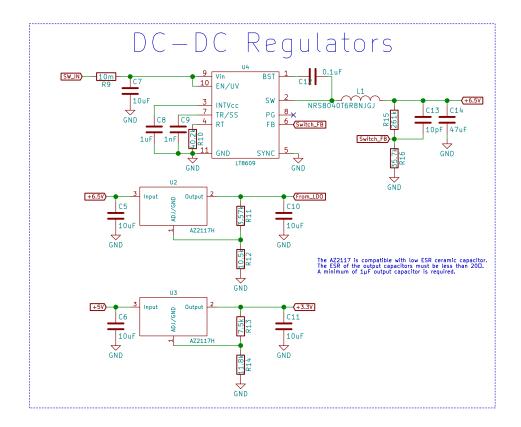


Battery Input and Switchover

The system is initially powered off of the backup battery but then switches to the main battery during the initialization sequence by toggling the "Batt_EN" GPIO high





Current Measurement

R5

Battery_Power
R8

VDD

SCI

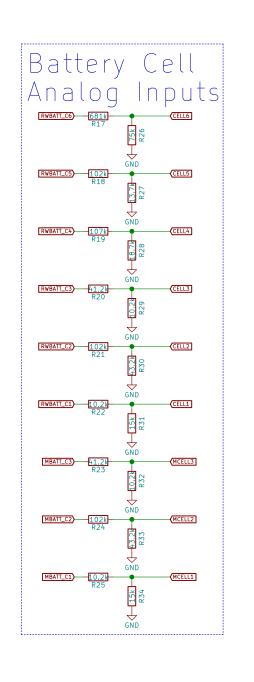
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From_LDD

10

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DAQCS_MOSI) 2 0_RX1_MOSI1_Touch 3 1_TX1_MISO1_Touch ALERT 4 2_PWM

MOTOR_ENABLE) 9 7_RX3_miso0_scl0 MOTOR_DIRECTION 10 8_TX3_miso0_sda0

IMU_MISO 14 12_MISO0 × 15 3.3V

TEENSY_LED_GREEN 16 24 TEENSY_LED_BLUE) 17 25 26_tx1 IMU_1_CS_M 19 27_rx1

Main_Batt_EN) 20 28

RTC_PWR) 25 VBat

CELL6 30 33_A14_CAN1TX_scl0 34_A15_CAN1TX_sda0

CELL3 32 35_A16_PWM
CELL3 33 36_A17_PWM CELL2) 34 37_A18_PWM_SCL1 CELL1 35 38_A19_PWM_SDA1

MCELL1 36 39_A20 MCELL2 37 A21_DAC0 MCELL3 38 A22_DAC1

GND 39 GND

IMU_SCLK 41 14_A0_PWM_sck0 19_A5_SCL0_Touch

22_A8_PWM_Touch 49 (MSP_GPI0_2) 21_A7_PWM_CS0_sck1 48 MSP_GPI0_1 ×40 13_SCK0_LED 20_A6_PWM_CS0_sck1 | 19_35_500 | 42 | 14_30_FWINSEN | 19_35_500_FUND | 19_45_500_FUND | 19_5_500_FUND | 19_5_500_FUND | 19_5_500_FUND | 19_5_500_FUND | 19_5_500_FUND | 19_5_500_F

3.3V_max250mA 51 ×

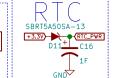
23_A9_PWM_Touch 50 MSP_GPIO_3

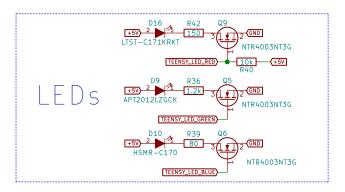
53 (TEENSY_PWR_IN)

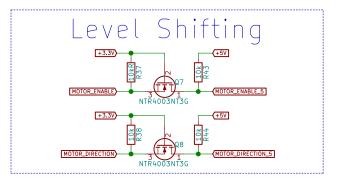
AGND 52 GND

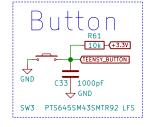
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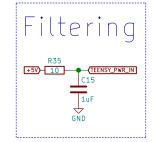




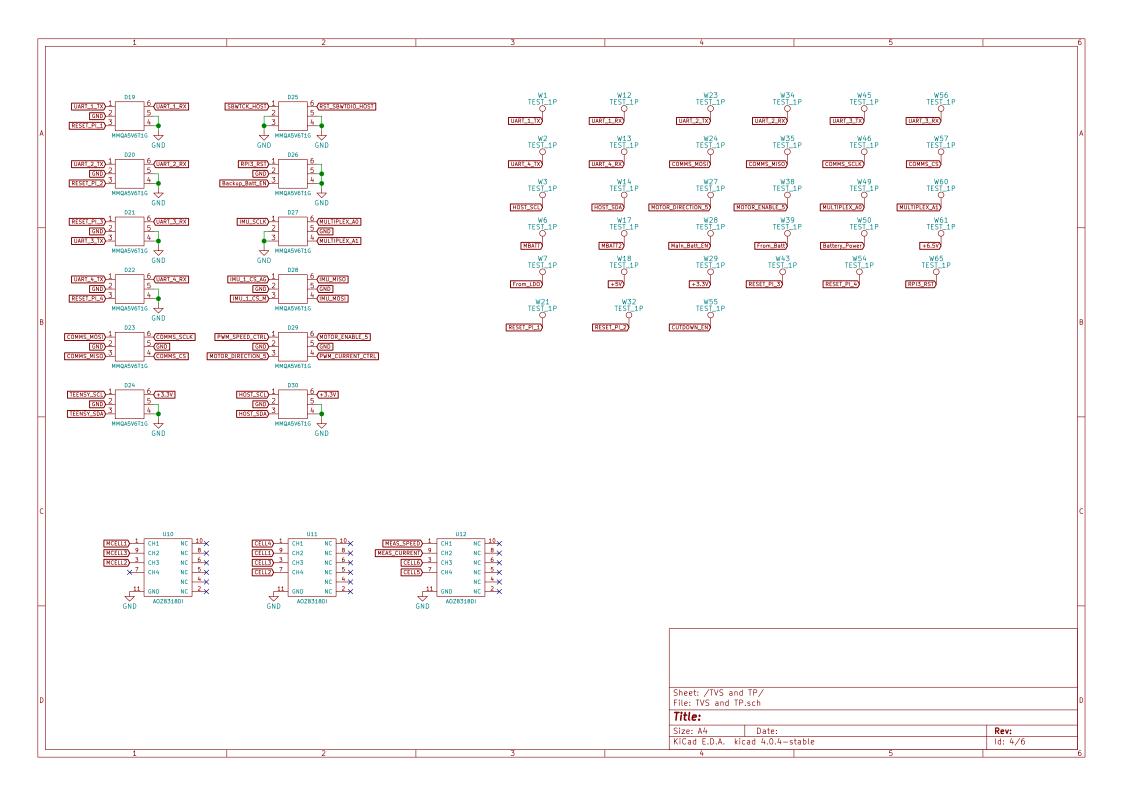


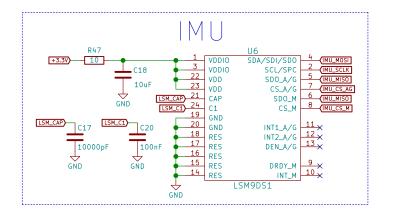


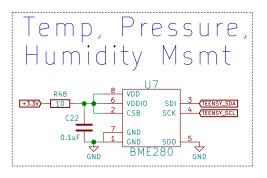




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