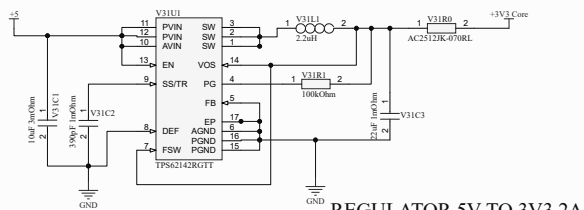
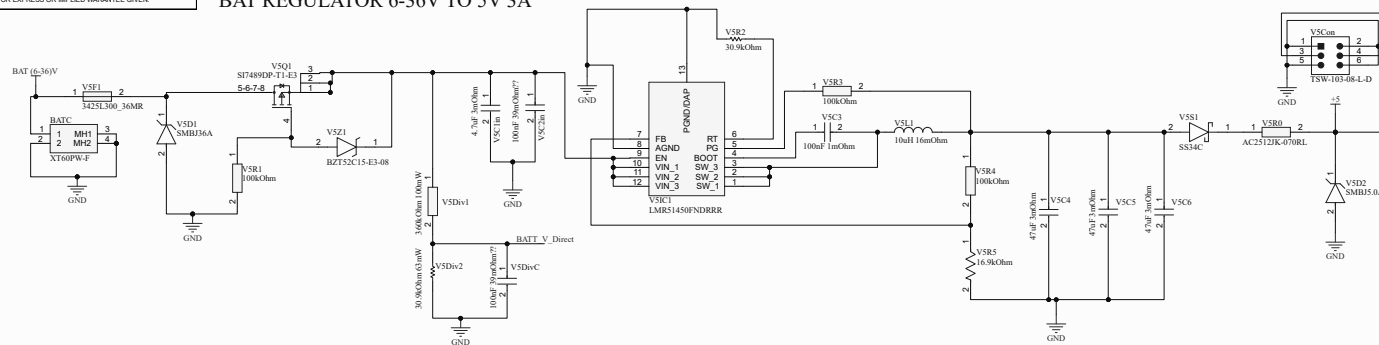
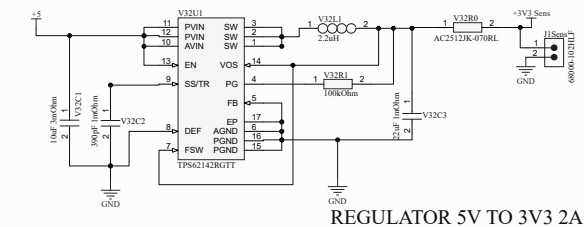


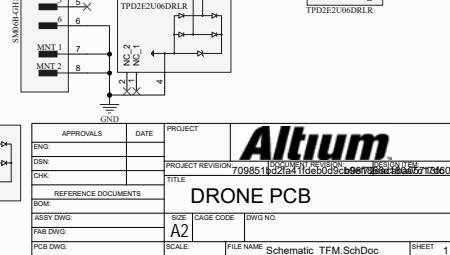
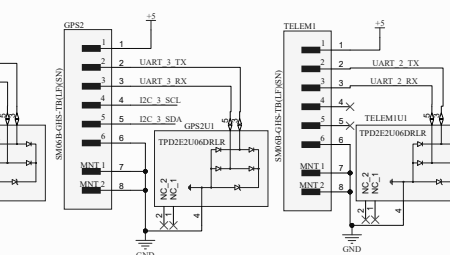
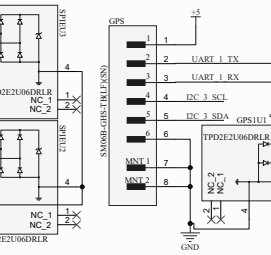
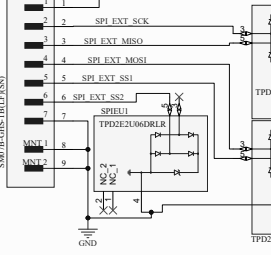
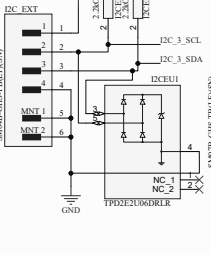
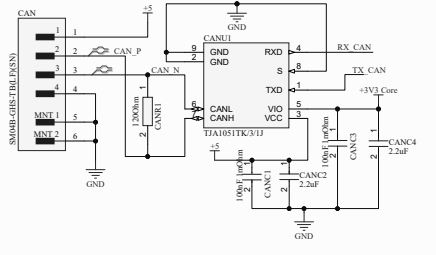
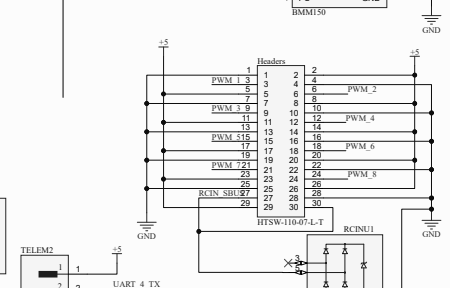
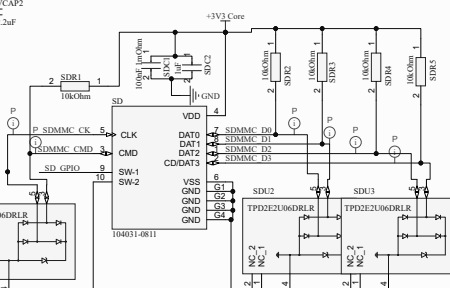
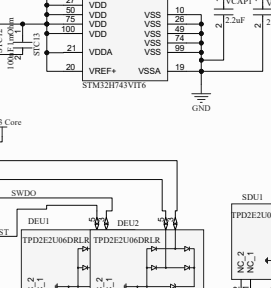
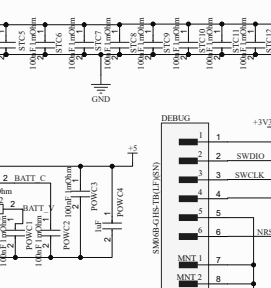
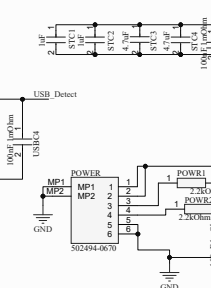
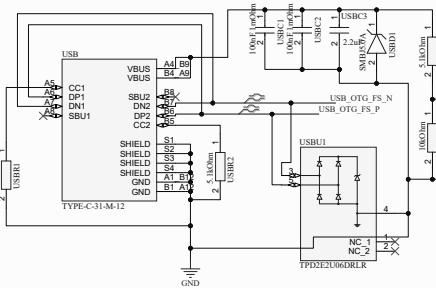
BAT REGULATOR 6-36V TO 5V 3A



REGULATOR 5V TO 3V3 2A



REGULATOR 5V TO 3V3 2A



The schematic diagram illustrates the electrical layout of a drone PCB. Key components and their connections include:

- Microcontrollers:** IM1, IM2, and IM3 are central processing units. IM1 is connected to IM2 via SPI and I2C. IM2 is connected to IM3 via SPI and I2C. IM3 is connected to IM1 via SPI and I2C.
- Memory:** BM1, BM2, and BM3 are memory chips. BM1 is connected to IM1 via SPI. BM2 is connected to IM2 via SPI. BM3 is connected to IM3 via SPI.
- Power Management:** TPD2E2U06DR1R is a power management IC. It is connected to IM1, IM2, and IM3 via I2C. It is also connected to the power supply via its NC pins.
- Power Supply:** The PCB is powered by a +5V supply. The power supply is connected to the VDD and VDDIO pins of the microcontrollers and memory chips. The power supply is also connected to the VDD and VDDIO pins of the power management IC.
- Headers:** The PCB has a header for PWM signals. The header pins are labeled PWM_1 through PWM_8. The header is connected to the PWM pins of the microcontrollers.
- Table:** The table at the bottom of the schematic contains the following information:

APPROVALS	DATE	PROJECT
ENG:		
DSN:		
CHK:		
REFERENCE DOCUMENTS		
BOM:		
ASSY DWG:		
PAB DWG:		
PCB DWG:		