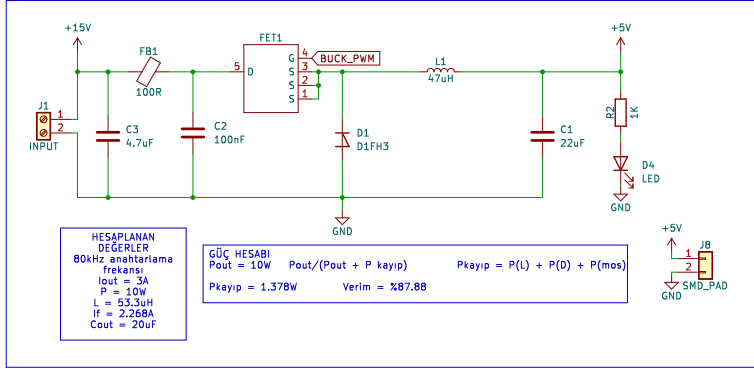
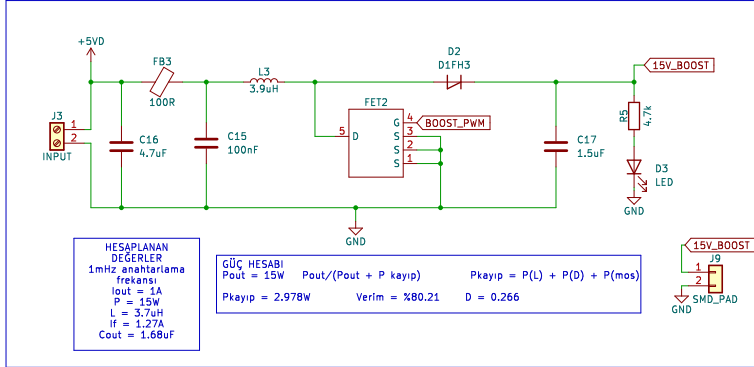


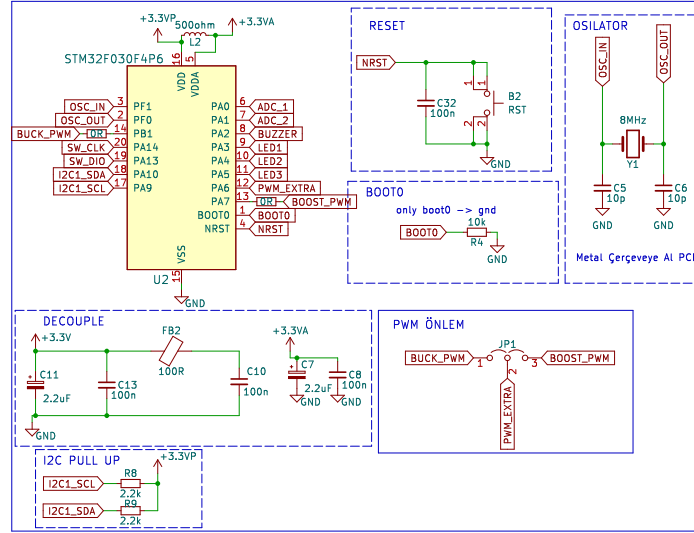
BUCK CONVERTER



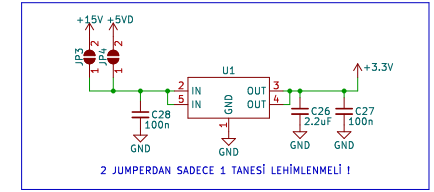
BOOST CONVERTER



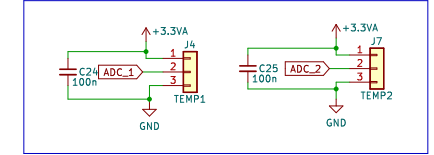
STM32F030F4P6TR



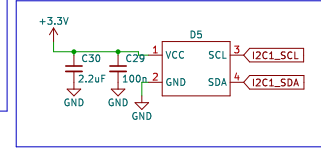
3.3V REGÜLATÖR



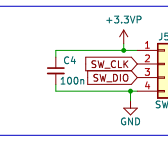
ADC TEMP SENSOR



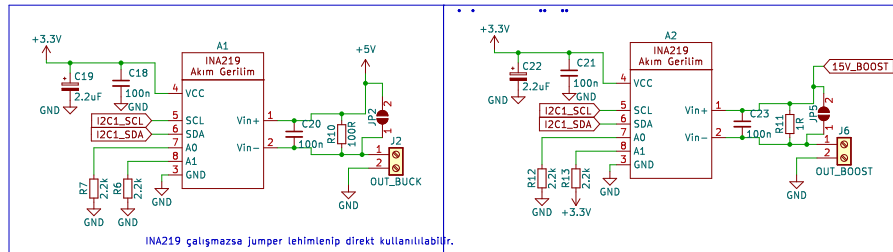
OLED SSD1306



SWD

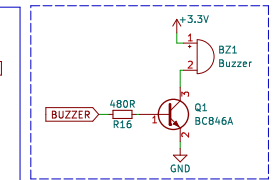


AKIM VE GERİLİM SENSÖRÜ



INA219 çalışmazsa jumper lehimlenip direkt kullanılabilir.

BUZZER



(3.3-0.9)/480R = 5mA
 100mA collector akımı için 5mA base akımı
 gerek buzzer 2.4V ile 3.3V çalışır
 gerilim düşümü ile üzerine 2.7V kalıyor