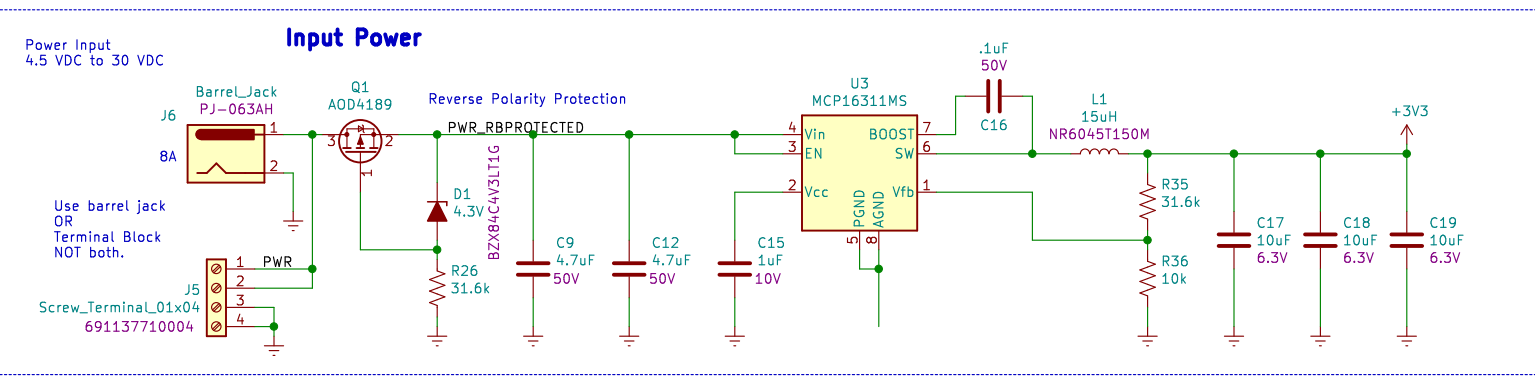
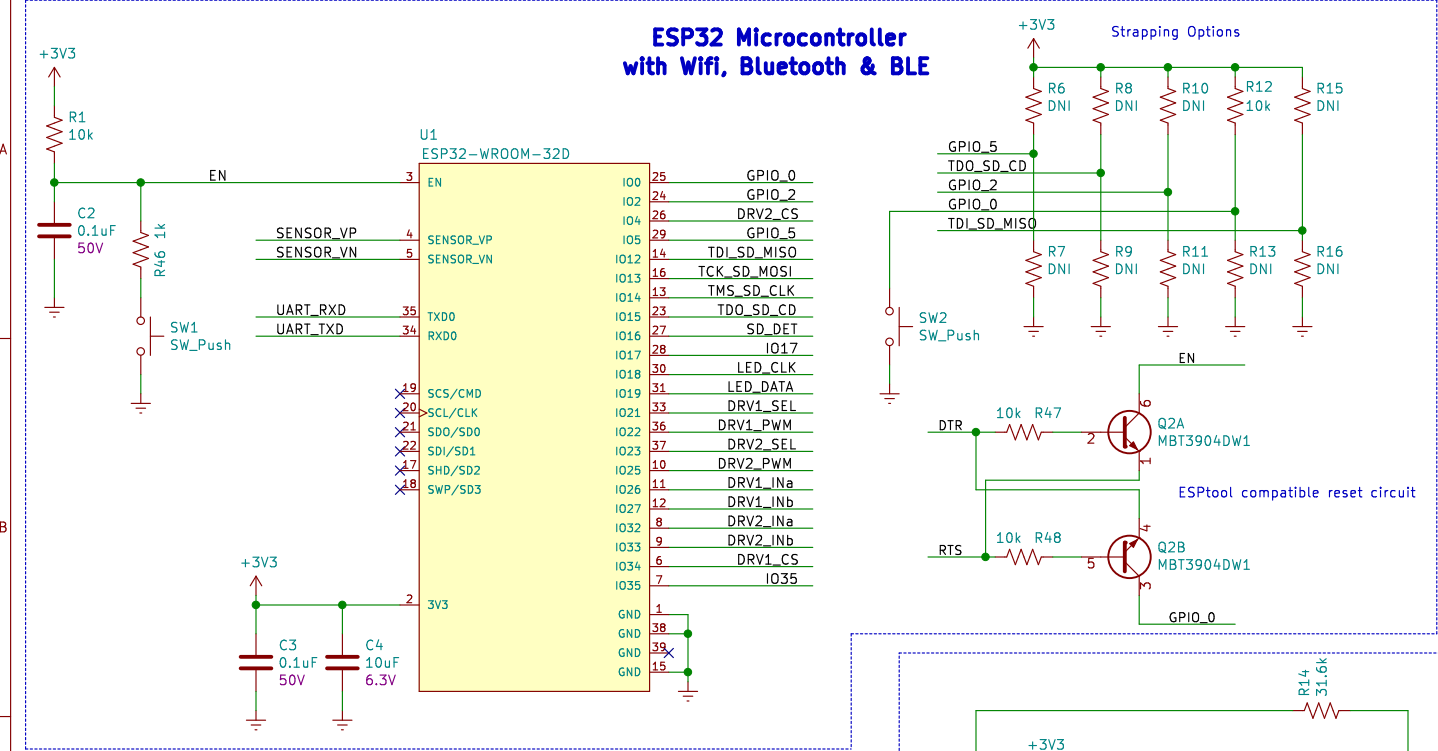
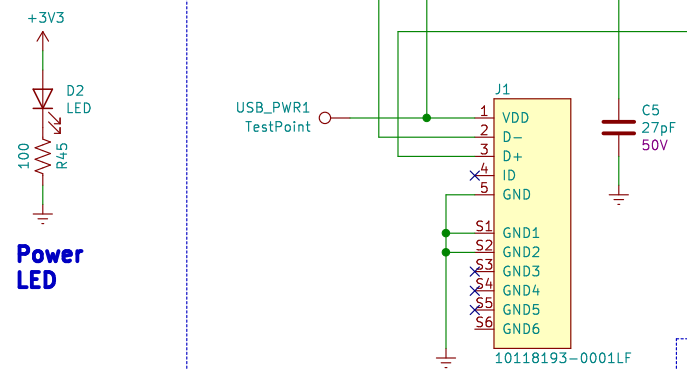
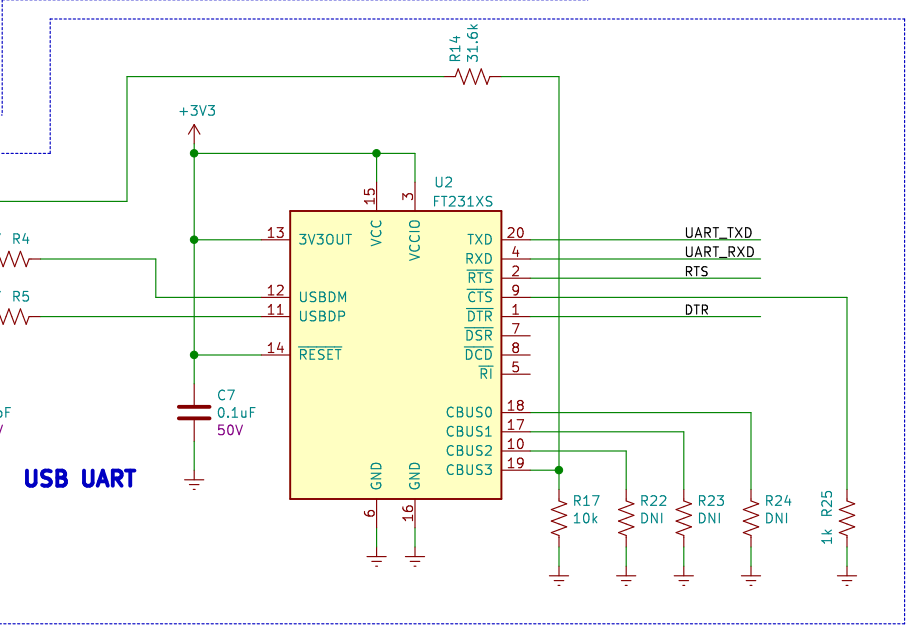
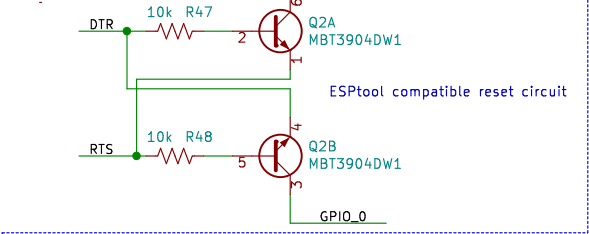
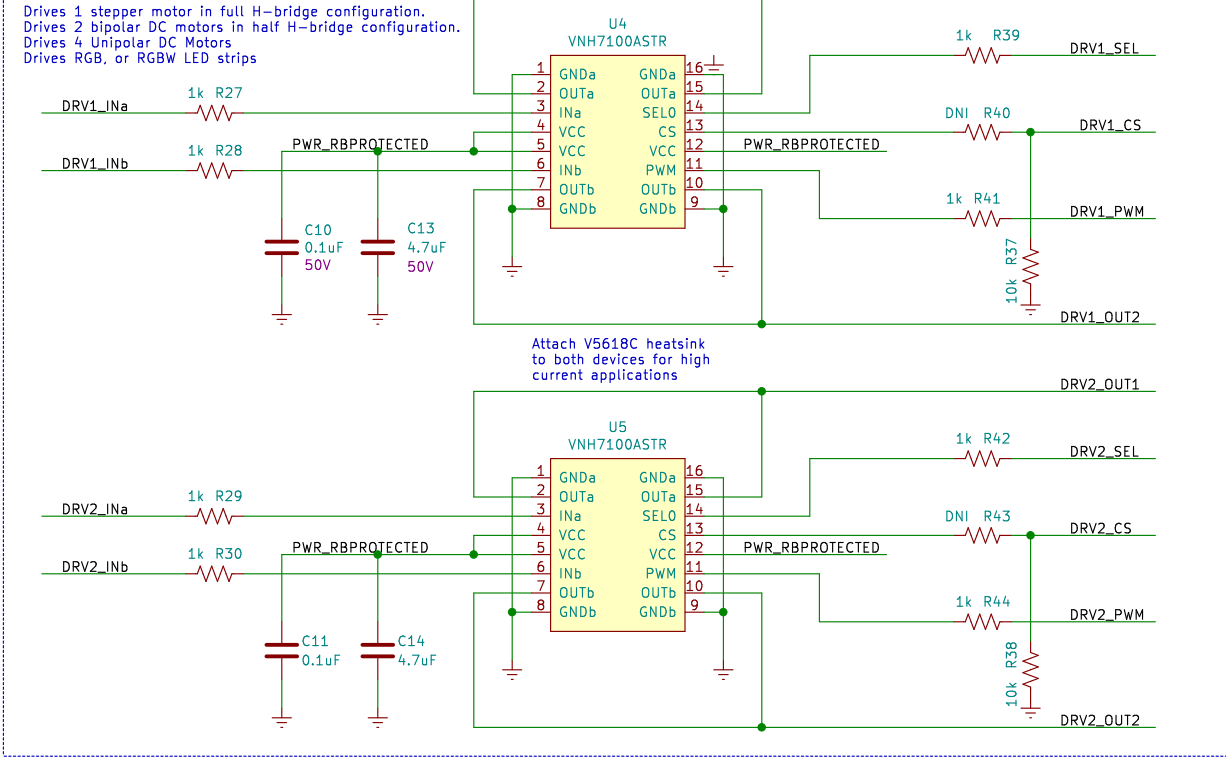


### ESP32 Microcontroller with Wifi, Bluetooth & BLE

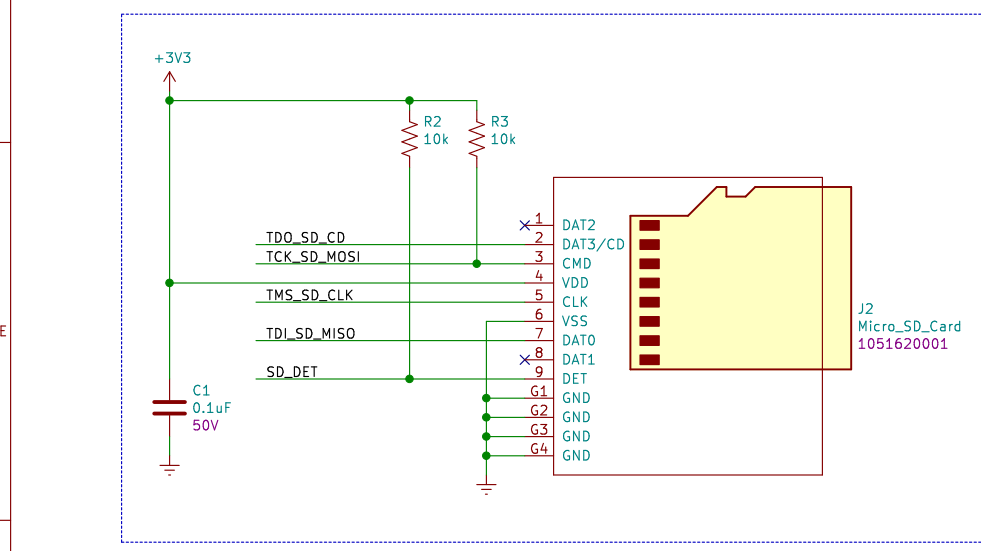
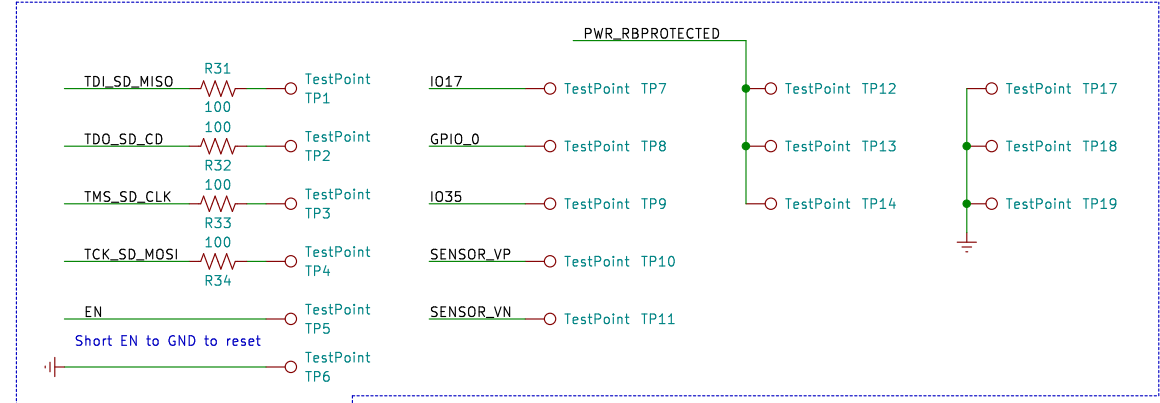
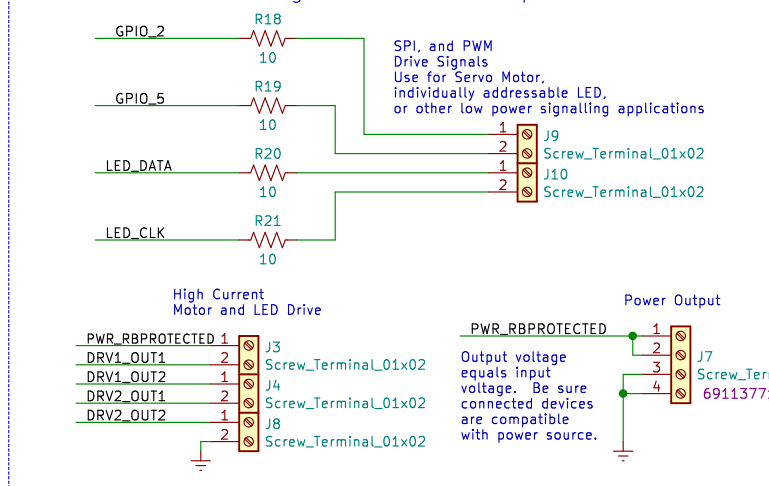


- REV -01 Changes:
1. Changed high current drive connector to 2.54mm spacing.
  2. Changed D1 to 4.3V.
  3. Added reset switch.
  4. Added GPIO0 switch for bootloading.
  5. Changed LED connector to connector with 2.54mm spacing.
  6. USB device changed to FT231.
  7. Added ESPtool compatible reset circuit.
  8. Changed R12 to 10k.
  9. Changed green LED to a different type.

### High Current Motor and LED Drive



### Terminal Blocks Signal and Power Output



Wifi/Bluetooth Internet accessible LED strip and motor driver, with sensor input capability. Drives all types of RGB/RGBW LED's, individually addressable LED's (WS2812, APA102, etc.), stepper motors, servo motors, unipolar/bipolar DC motors and other high current interfaces.

Sheet: /  
 File: lc\_dc1000.sch  
**Title: LCDC1000**  
 Size: USLedger Date: 5-16-19  
 KiCad E.D.A. kicad (5.1.2)-1 **Rev: 01**  
 Id: 1/1