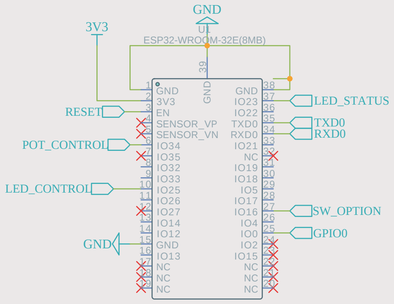
MICRo CONTROLLER

3V3
C7 22uF
C1 10uF
C3 100nF
GND

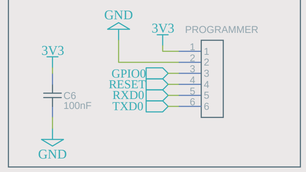
pin to avoid with ESP32-WROOM-32:
never use: 6, 7, 8, 9, 10, 11
input only: 34, 35, 36(VP), 39(VN)
strapping/boot pin (do not pull): 0, 2, 5, 12, 15
UART: 1, 3

3V3
R1 2.2kΩ
RESET
C12 1uF
GND

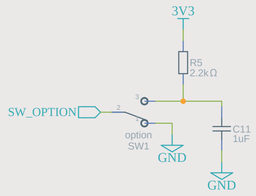
ESP32-WROOM-32(8MB) Arduino Board: ESP32 Dev Module



PROGRAMMER

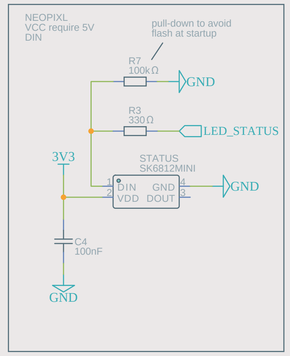


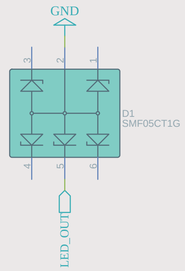
https://documentation.espressif.com/esp32-wroom-32e_esp32-wroom-32ue_datasheet_en.html



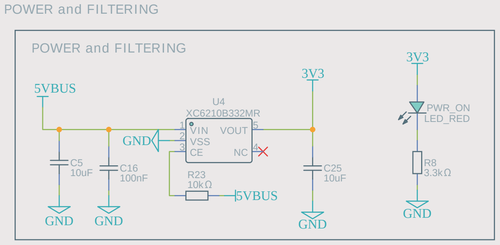
V2.0:
POT CONTROL: IO34
Inductance change for a 2A one
The 5V supply for the LED is now before the inductance
since the inducated is limited to 2A but the mosfet can deliver 4A
now the LED supply can received 4A
Added a TVS on the main power line
Added a TVS on the LED data line
change the onboard LED for a NeoPixel

NEOPIXL

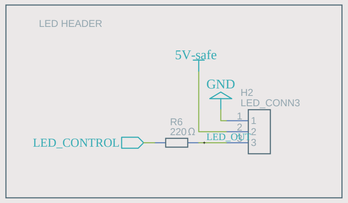




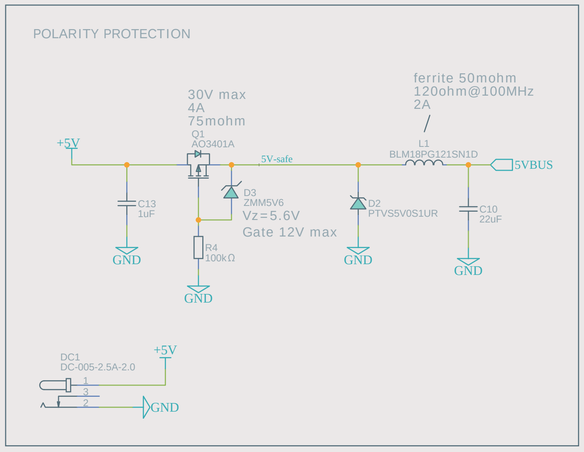
POWER and FILTERING



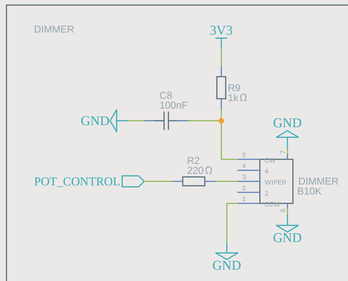
LED HEADER



POLARITY PROTECTION



DIMMER



TITLE: Sheet_1		REV: 1.0
嘉立创EDA	Company: Your Company	Sheet: 1/1
	Date: 2022-12-06 Drawn By: Mimosa	