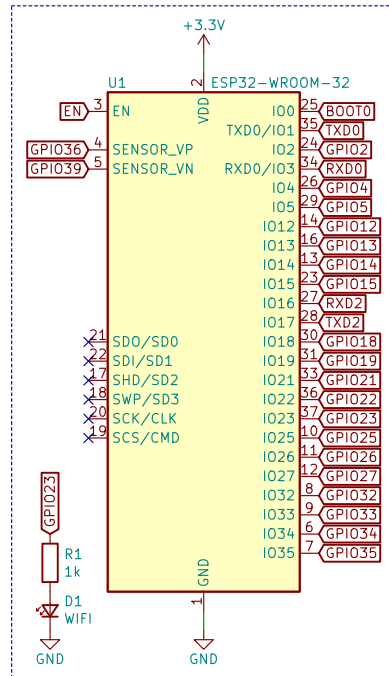
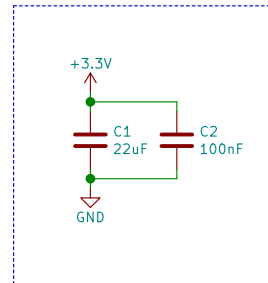


MCU

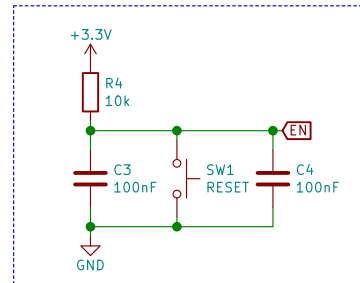
ESP32-WROOM-32



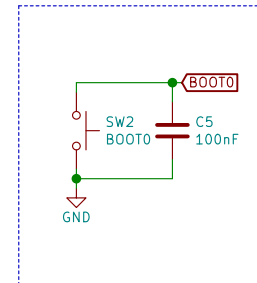
Voltage Filter



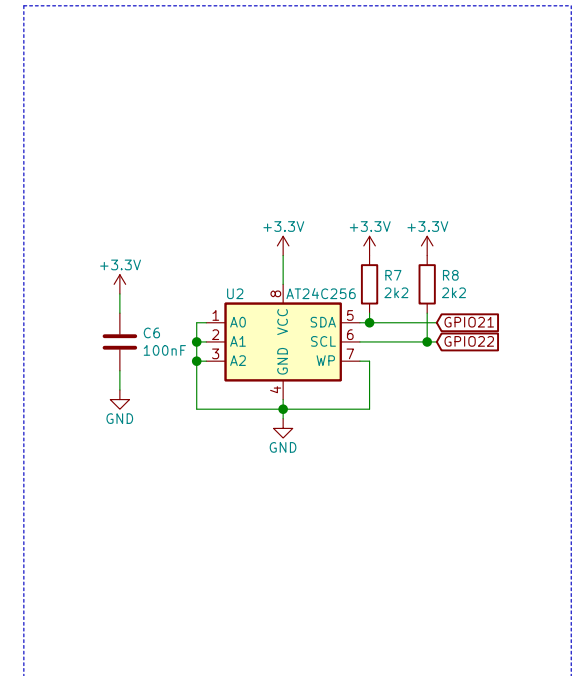
RESET



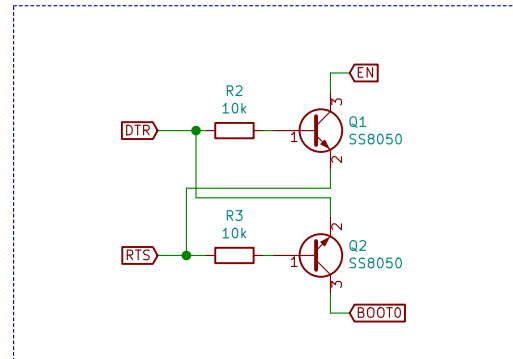
BOOT0



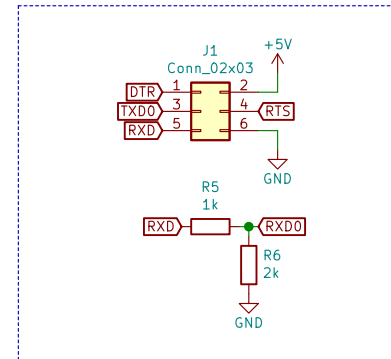
EEPROM



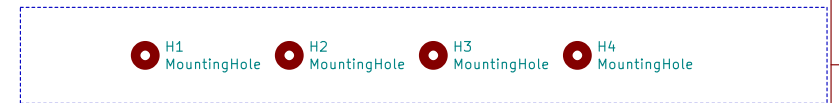
Auto Programming



Isolated UART Programmer Header



Mounting Holes



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Sheet: /

File: Single Phase 1Motor.sch

Title: Single Phase Single Motor (SPSM) Controller

Size: A4

Date: 2022-04-26

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Rev: P-1.0

Id: 1/4

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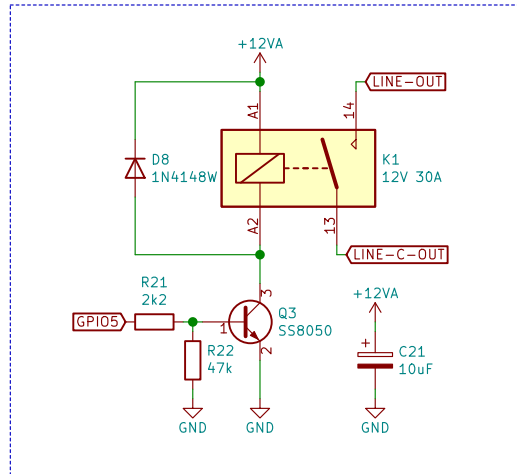
Non-isolated AC-220V to DC-12V (Relay & Display Power)

DC-5V to DC-3.3V (Linear)

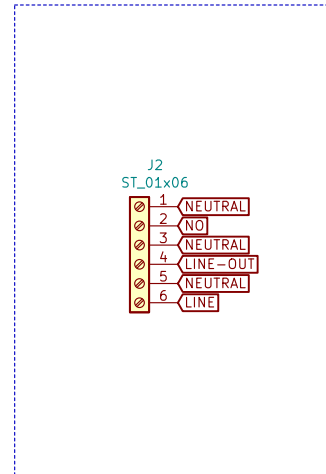
Analog GND and Digital GND combination



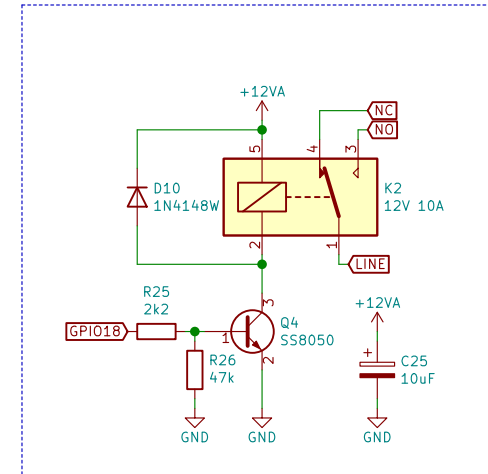
Pump Control Relay (AC-250V,30A)



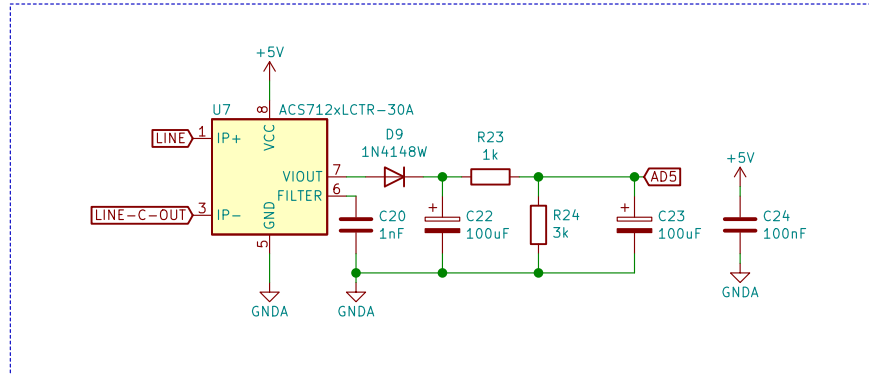
Power INPUT and Relays OUTPUT



Air Valve Control Relay (AC-250V, 10A)



AC current sensing (0-30A)



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Sheet: /Relay and Current Sense/
File: Relay and Current Sense.sch

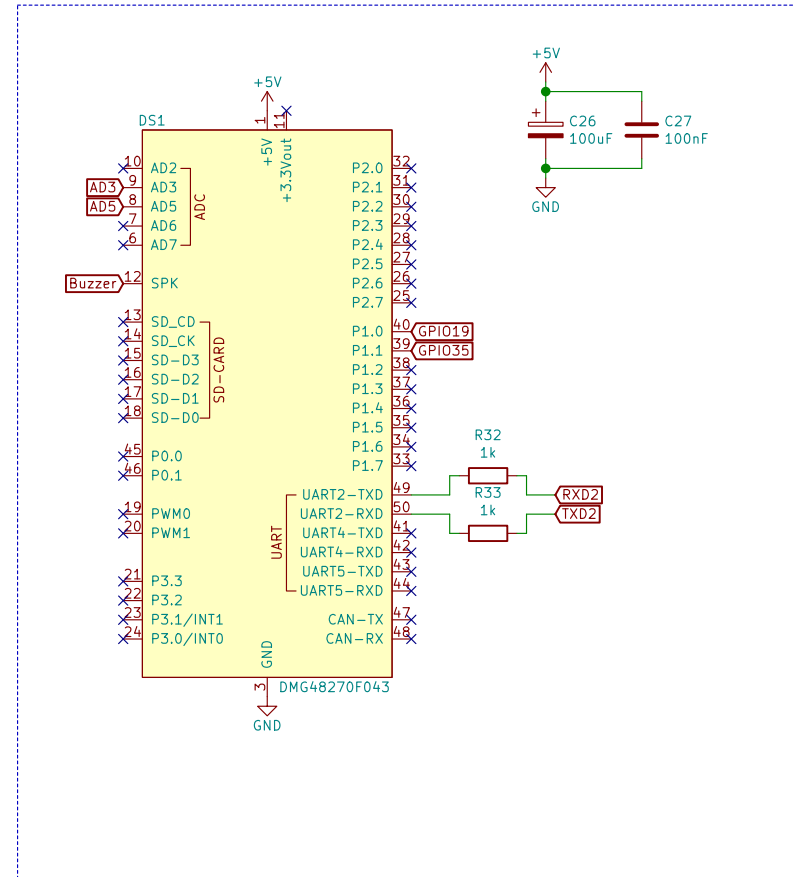
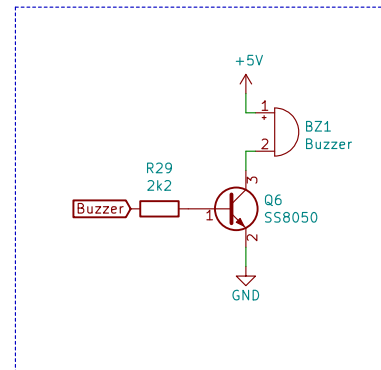
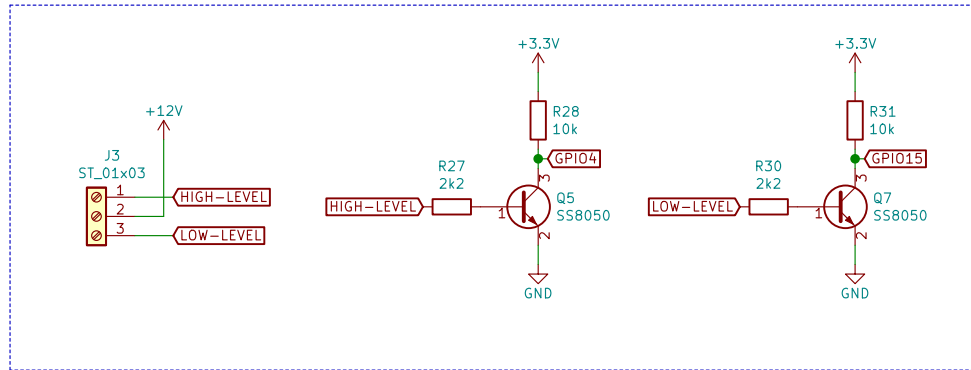
Title: Single Phase Single Motor (SPSM) Controller

Size: A4 Date: 2022-04-26

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Rev: P-1.0

Id: 3/4



Id: 4/4