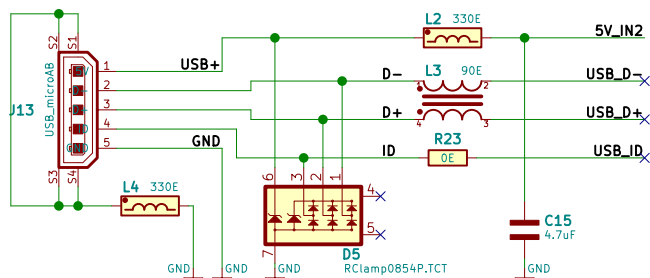


INPUT POWER

Input Power sources are :
a. Micro USB 5V to Wemos Lolin
b. 28 V AC to 5 V DC via switching regulator
c. 5 V via wall wart

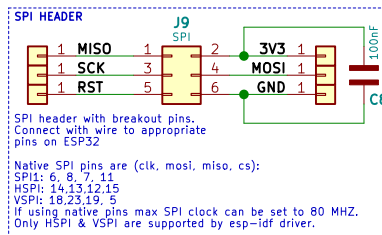
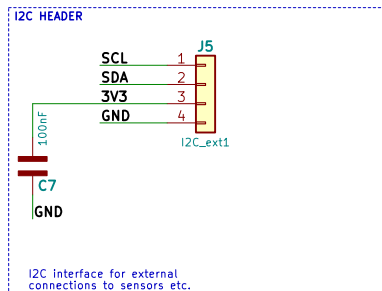
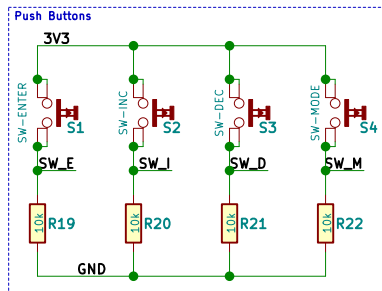
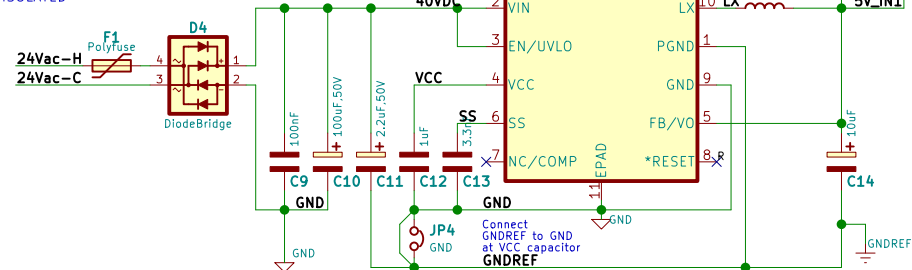
When using option "b" or "c", the micro USB cable MUST be removed to prevent power conflicts.

USB INPUT + REGULATOR

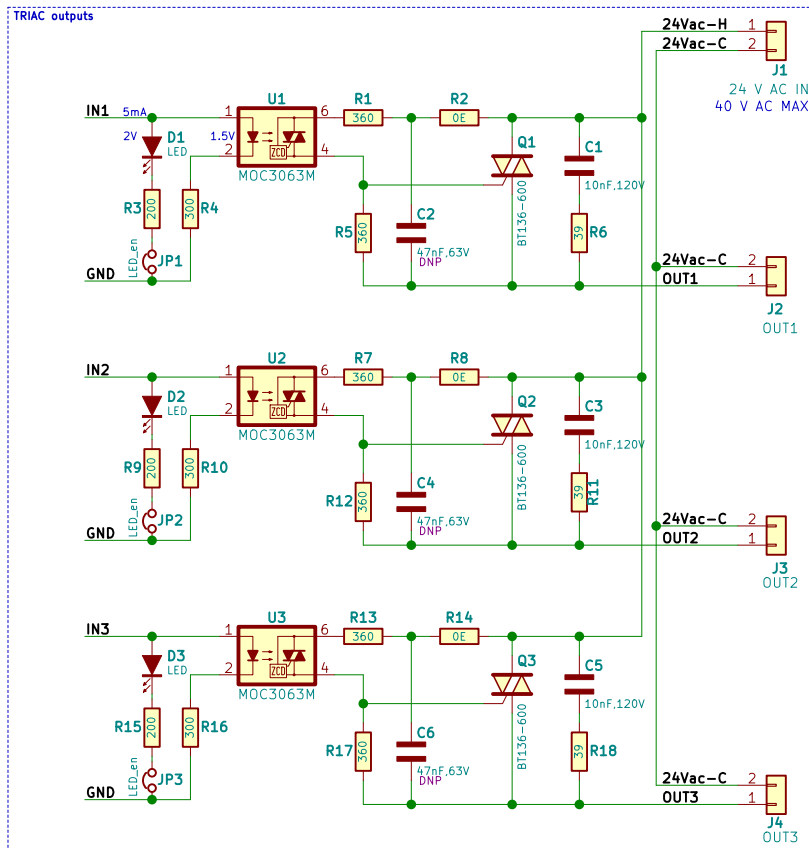


AC-DC POWER SUPPLY

40 V AC MAX.
ISOLATED



DECIDE how to couple 5V_IN2 to 5V



- BOM :
1. ESP32 : Wemos Lolin
 2. Opto : MOC3063SR2M
 3. Triac : BT136-600E.127 (TH) : BTA204S-600E.118 (SMD)
 4. LED : LTST-C193KGKT-5A
 5. Bridge Rectifier : MDB6S
 6. PTC Fuse : 02CF0075AF2C
 7. DC-DC Converter : MAX17502
 8. 10nF/120V AC : LDEIB2100KA0N00
 9. 47nF/63V AC : LDEEB2470KA0N00
 10. Inductor L1 : ELL-81P220MB
 11. 100uF/50V Elco : HHXC500ARA101MJA0G : EMZA630ADA101MJA0G

WyoLum

Sheet: /
File: wyostat.sch

Title: WYOSTAT

Size: A4 Date: 2018-03-12 Rev: rev 1
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