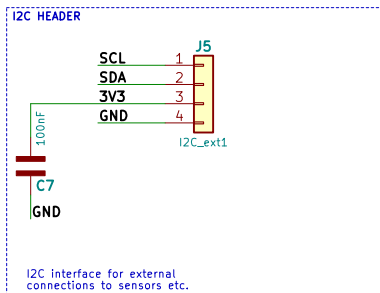
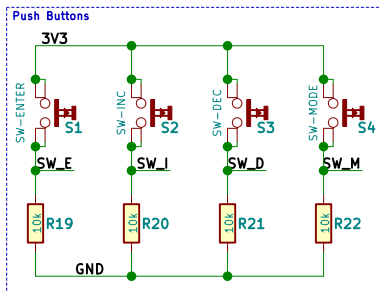
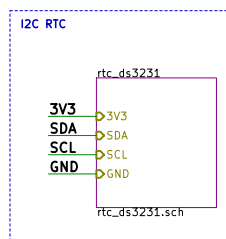
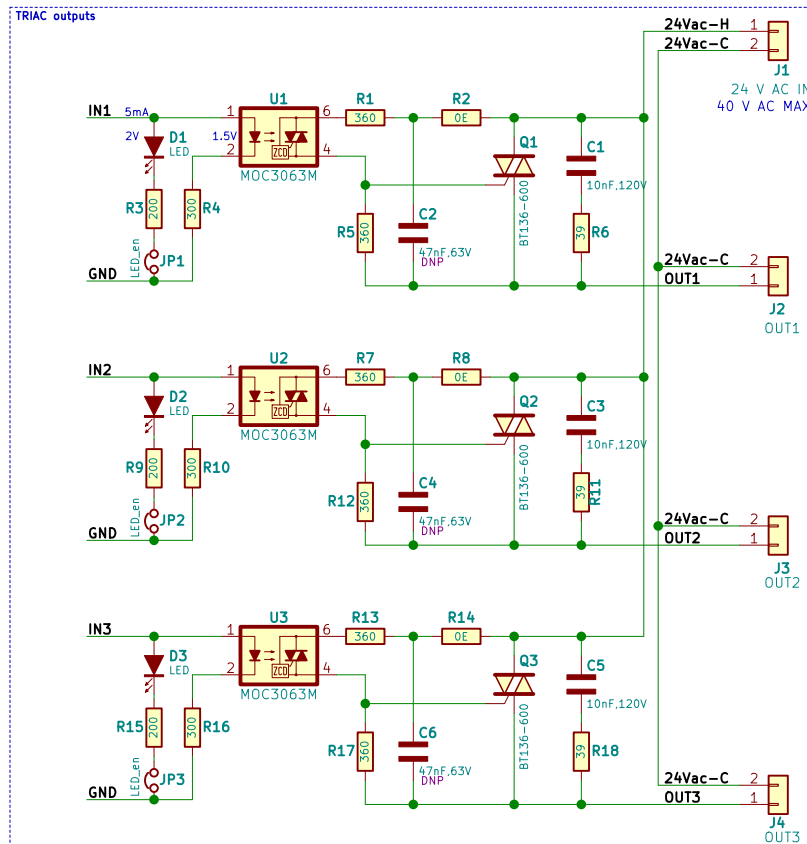


INPUT POWER

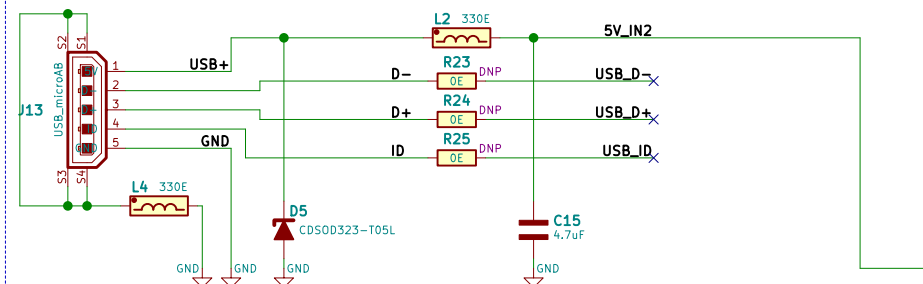
Input Power sources are :
 a. Micro USB 5V to Wemos Lolin
 b. 28 V AC to 5 V DC via switching regulator
 c. Micro USB on Wyostat (only Power, no Data)
 When using option "b" or "c", the micro USB cable MUST be removed to prevent power conflicts.
 When using option "a", the Power Selector Header must be in OFF position.



I2C interface for external connections to sensors etc.

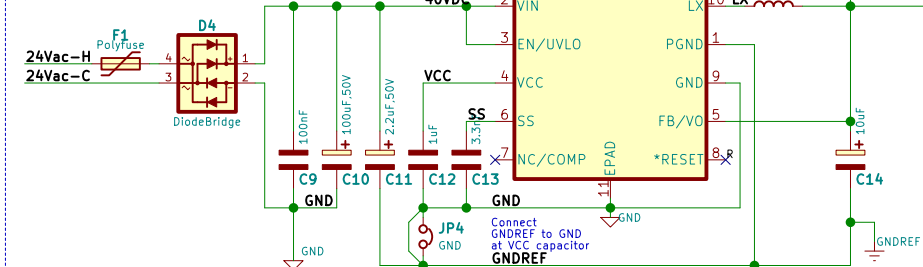


USB INPUT + REGULATOR



AC-DC POWER SUPPLY

40 V AC MAX.
ISOLATED



- BOM :
1. ESP32 : Wemos Lolin
 2. Opto : MOC3063SR2M
 3. Triac : BT134-600E.127 (TH)
 4. LED : LTST-C193KGT-5A
 5. Bridge Rectifier : MDB6S
 6. PTC Fuse : 0ZCF0075AF2C
 7. DC-DC Converter : MAX17502
 8. 10nF/120V AC : LDEIB2100KA0N00
 9. 47nF/63V AC : LDEEB2470KA0N00
 10. Inductor L1 : ELL-8TP220MB
 11. 100uF/50V Elco : HHXC500ARA101

WyoLum

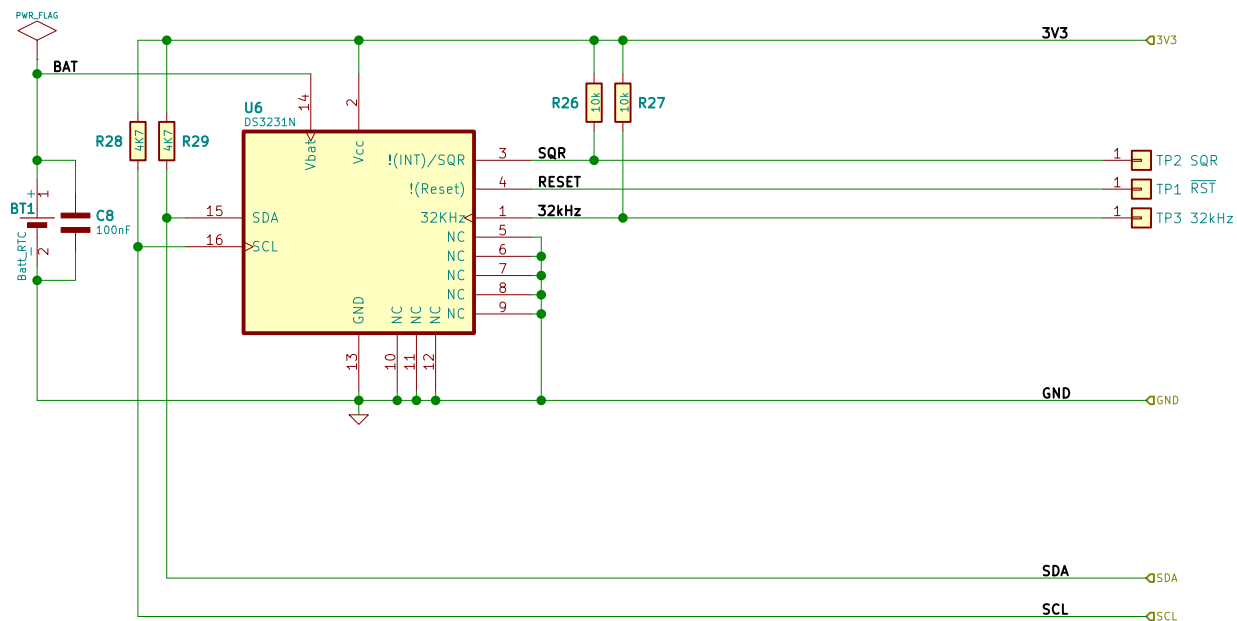
Sheet: /

File: wyostat.sch

Title: WYOSTAT

open source hardware

Size: A4	Date: 2018-03-12	Rev: rev 1
File: E.D.A. kicad 5.0.0-rc2-dev-unknown-9e8bcb62ubuntu16.04.1		Id: 1/2



https://github.com/wyolum/KlokTHREEjr www.wyolum.com		
Sheet: /rtc_ds3231/ File: rtc_ds3231.sch		
Title: KlokTHREEjr		
Size: A4	Date: 2017-12-26	Rev: rev 1
KiCad E.D.A. kicad 5.0.0-rc2-dev-unknown-9e8bcbe62ubuntu16.04.1		Id: 2/2