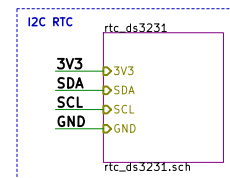
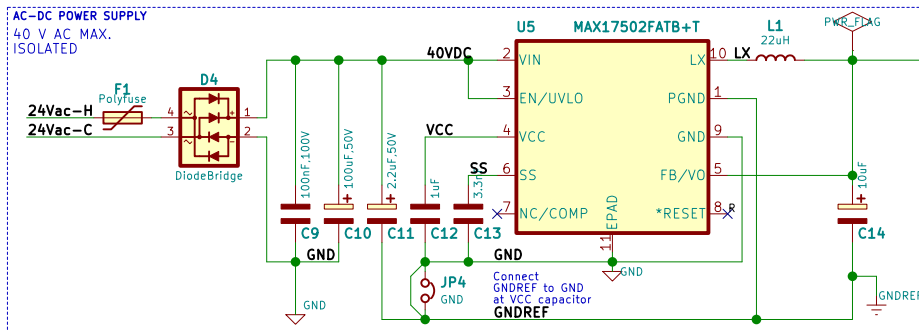
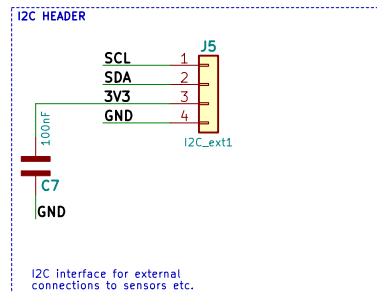


**Input Power sources are :**

- 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.**



SC1 SC3

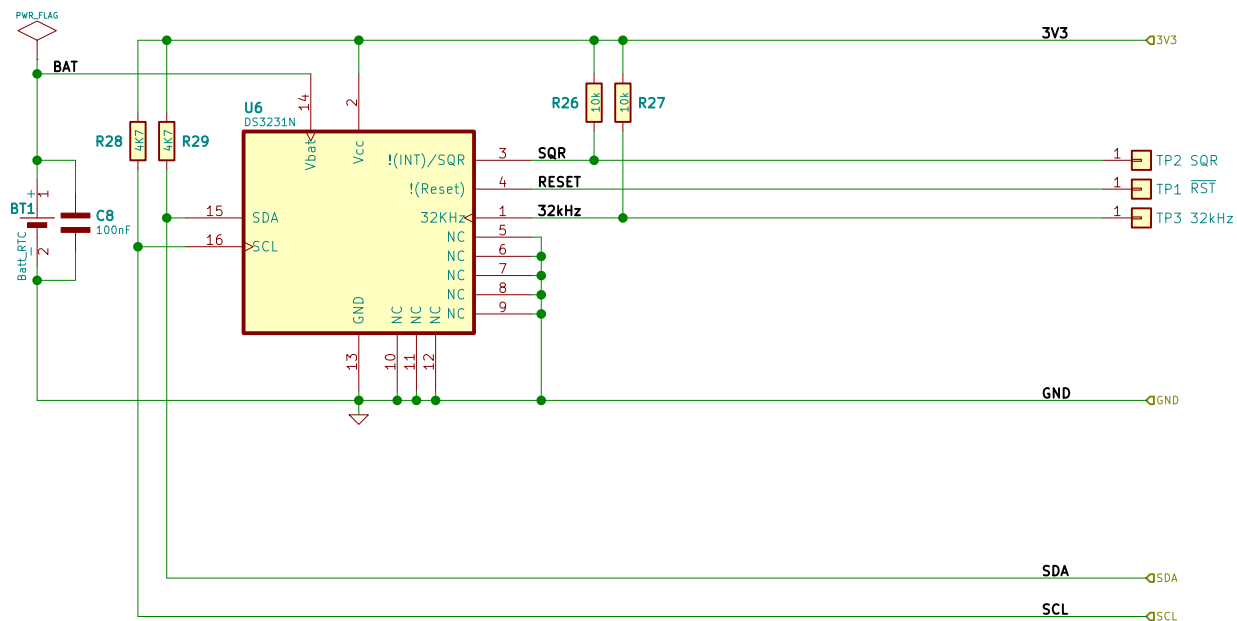
SC2 SC4



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BOM :  
 1. ESP32 : Wemos Lolin  
 2. Opto : MOC3063SR2M  
 3. Triac : BT134-600E,127 (TH)  
       : BTA204S-600E,118 (SMD)  
 4. LED : LTST-1C93KGKT-5A  
 5. Bridge Rectifier : MDB6S  
 6. PTC Fuse : OZCF0075AF2C  
 7. DC-DC Converter : MAX17502  
 8. 10nF/120V AC : LDEIB2100KA0N0  
 9. 47nF/63V AC : LDEEB2470KA0N0  
 10. Inductor L1 : ELL-82P220MB  
 11. 100uF/50V Elco : HHXC500ARA1  
       : EMZAE630ADA1



<https://github.com/wyolum/KlokTHREEjr>

[www.wyolum.com](http://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

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