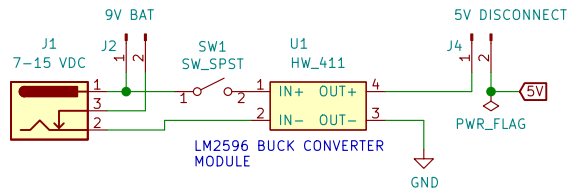


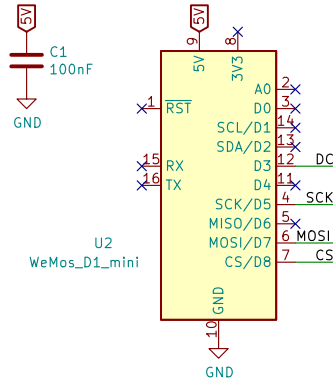
POWER CIRCUIT



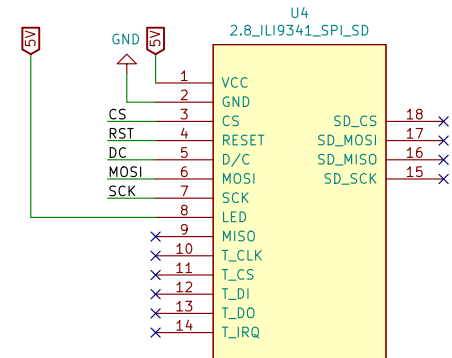
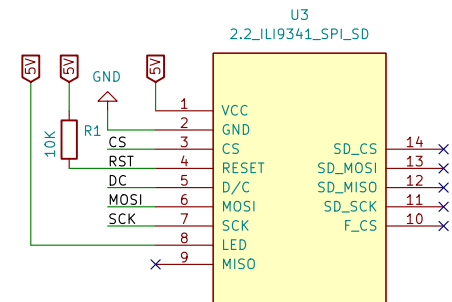
HARDWARE

- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole

"MINI-D1" MICROCONTROLLER MODULE



2.2" and 2.8" TFT DISPLAY MODULES



NTP CLOCK using ESP8266

PCB "BN32" is 60x110 mm, has wings on short sides
 PCB "BN33" is 60x94 mm, has rounded edges
 3.2mm diameter PCB mounting holes align with 3.2" display holes.
 PCB holes will work with 4-40, M2.5, and M3 hardware.
 Schematic shows 2 displays, but only one display is fitted on PCB.
 Display can be 2.2", 2.8", or 3.2" ILI9341 with SPI interface.
 Values for pullup resistor R1 and filter cap C1 are non-critical.

Bruce E. Hall

Sheet: /
 File: NTP2.sch

Title: NTP CLOCK w/ ESP8266 "D1 MINI"

Size: USLetter Date: 2021-01-31

Rev: 2

KiCad E.D.A. kicad (5.1.9)-1

Id: 1/1