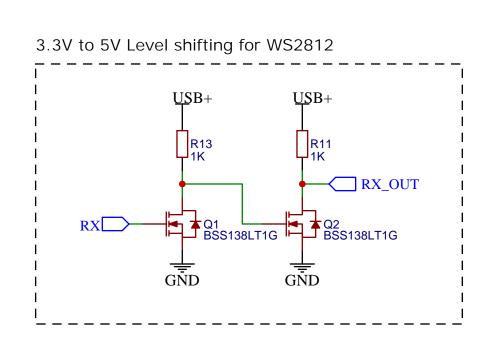
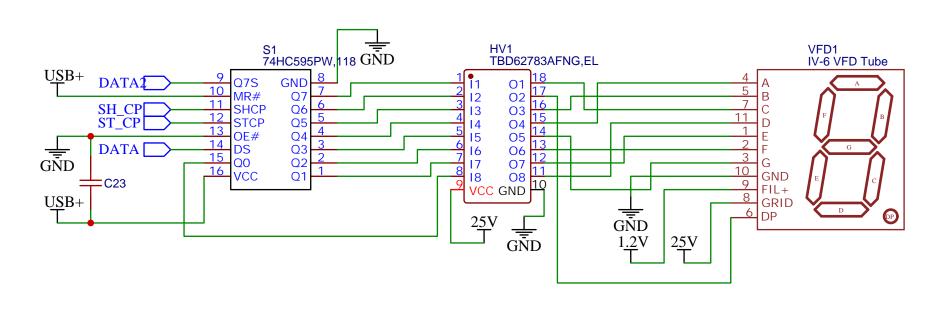
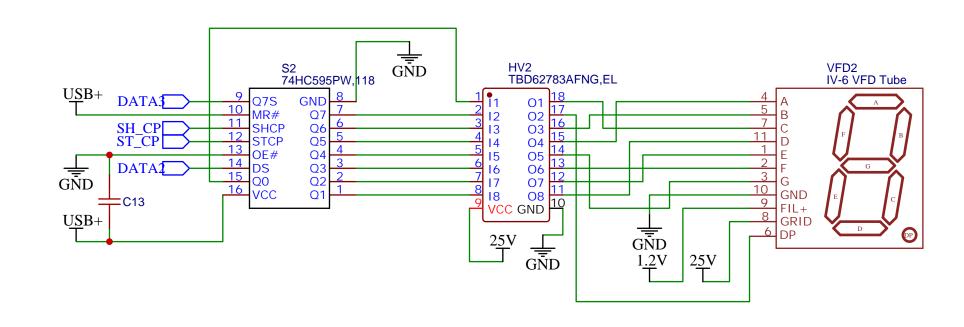


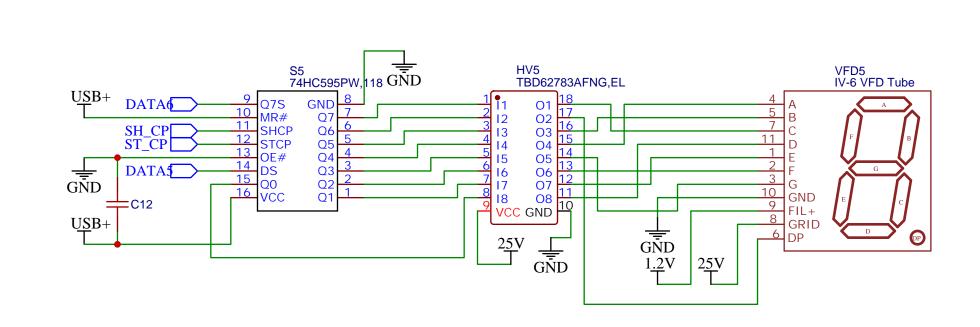
## ESP-M2 is used for its tiny footprint

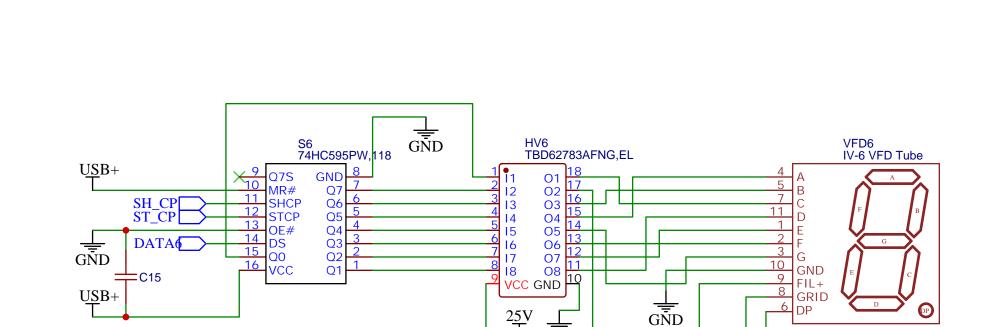
GPIO4, GPIO5 and GPIO12 are unused in the design and perfect for any use.









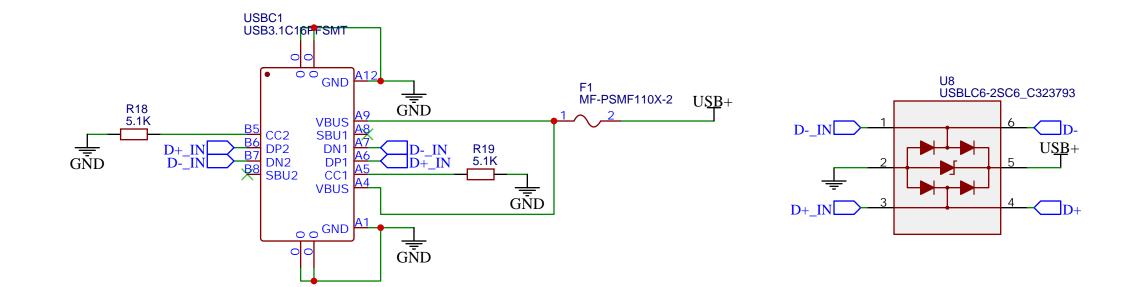


74HCT595PW is required in this design!!!

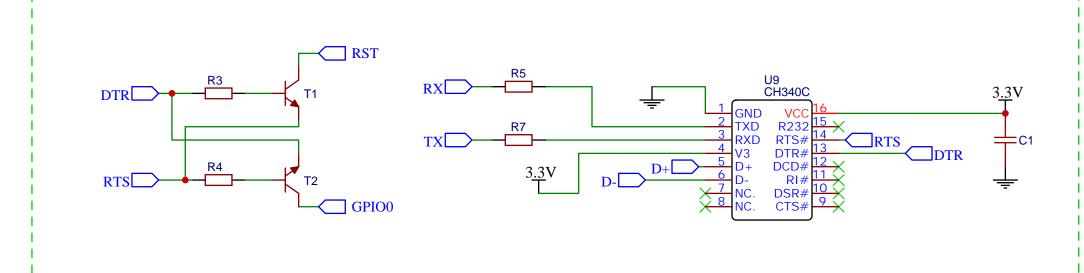
TBD62783AFG (C97745) is a modern pin-compatible replacement with lower power consumption, recommended! Cheap chinese 1:1 clone XL62783 also available (C556260)

The VFD pin holes on the PCB are misleading (looks flipped) so pay attemtion to GRID and FILAMENT positions. Double and TRIPLE check before soldering all pins. I suggest to start with the grid pin. (!!!!!)

KID65783AF-EL/P (Icsc part no. C125259) can be also used but PCB change is required (20pin package vs 18pin)



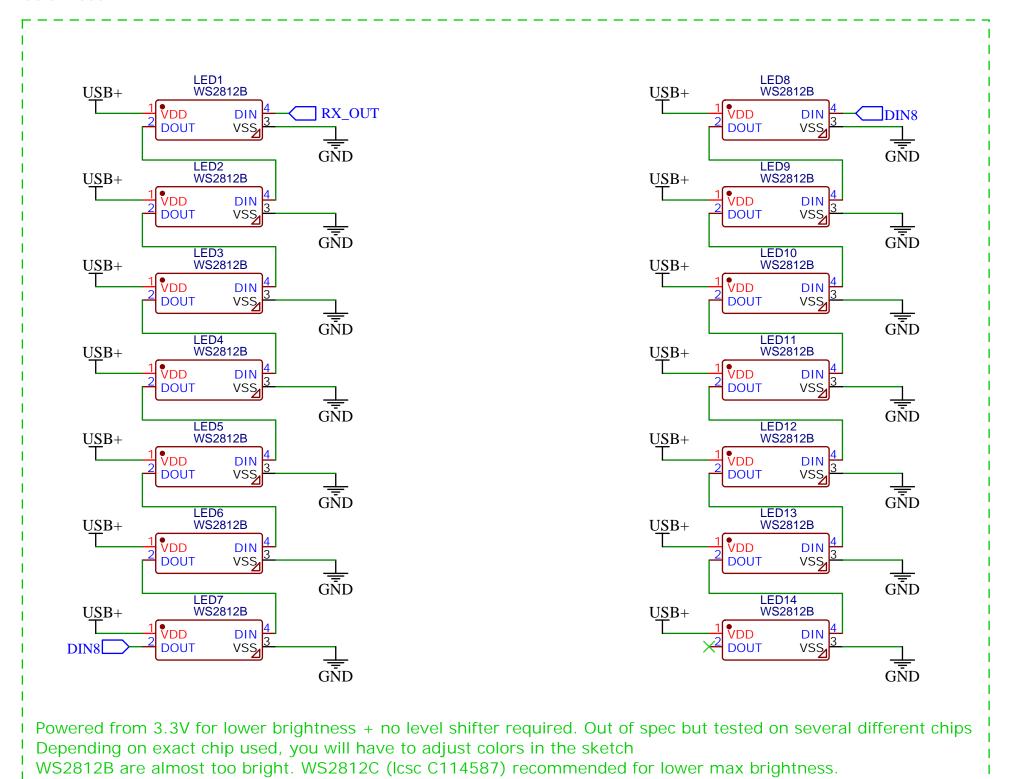
## USB to SERIAL + auto-reset \_\_\_\_\_\_



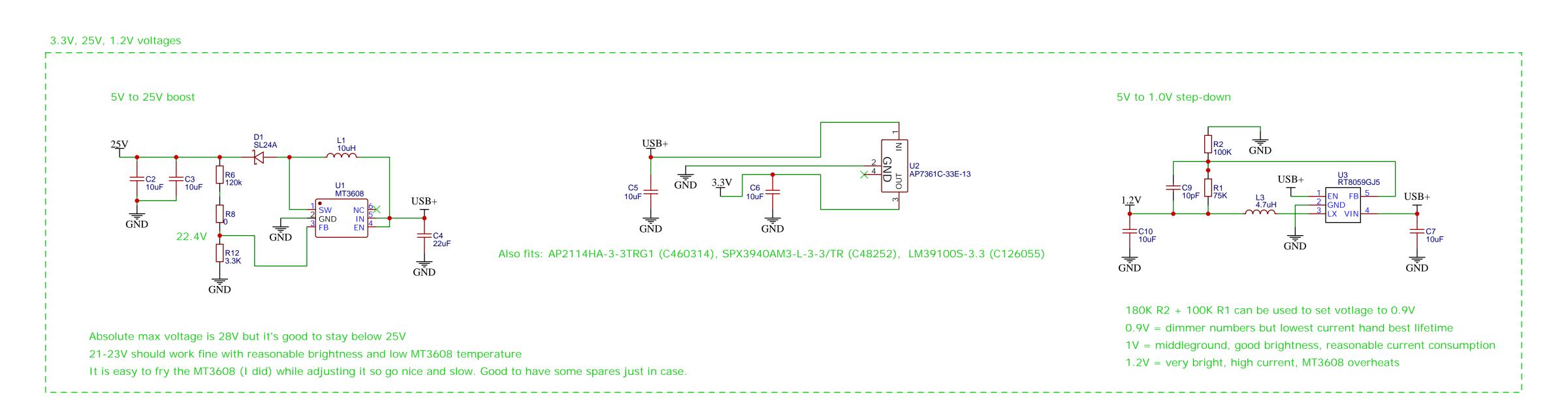
\_\_\_\_\_\_\_\_\_\_

v1.1 note: CH340 powered from 3.3V instead of 5v. Though ESP8266 is 5V tolerant on GPIOs, 3.3V is still better





·-----'



FLORA IV-6 VFD Clock