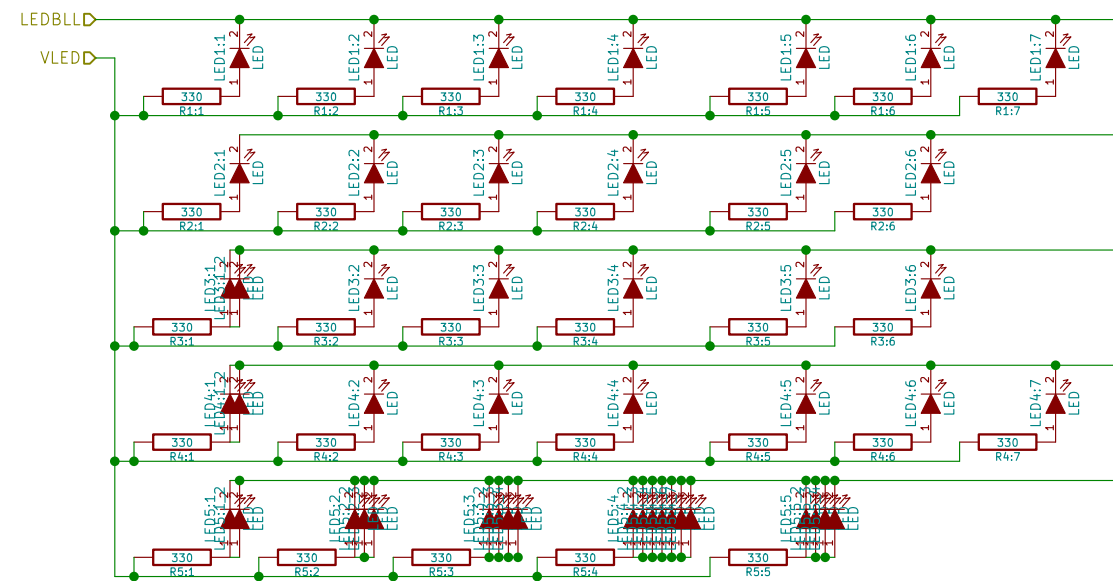
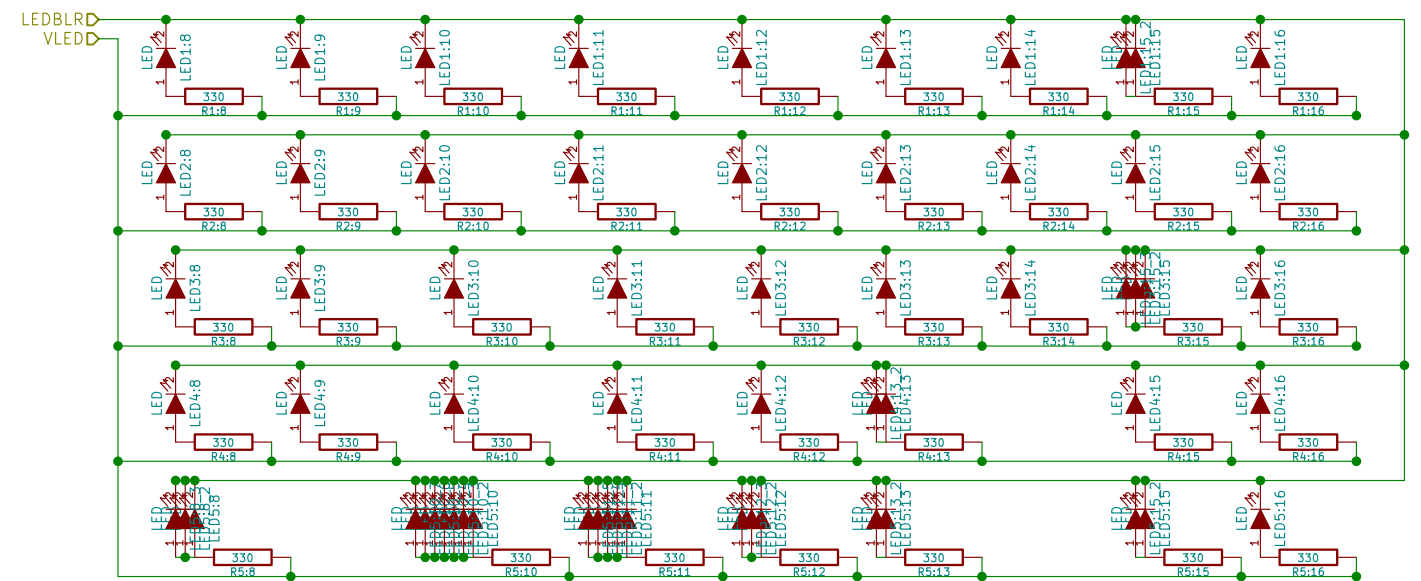


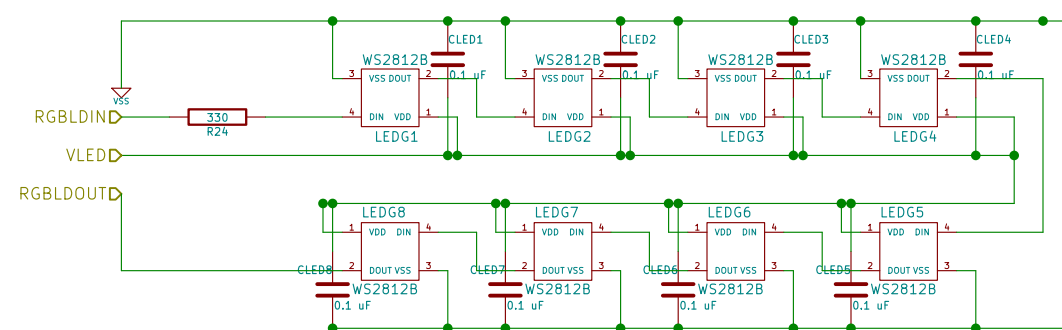
Left side backlight matrix



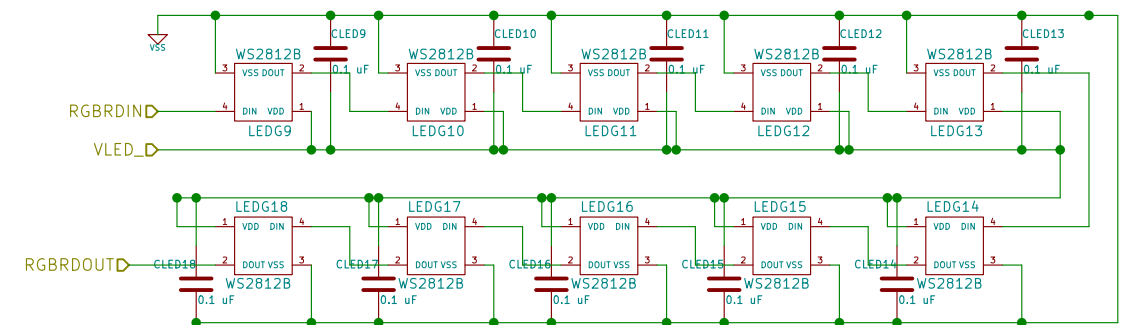
Right side backlight matrix



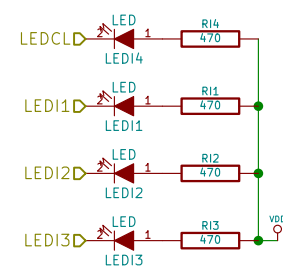
Left side RGB LEDs



Right side RGB LEDs

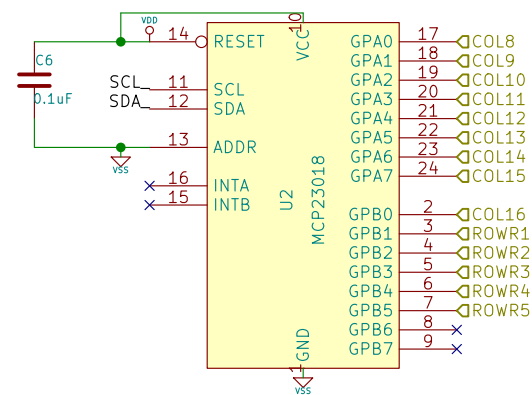


Indicator LEDs

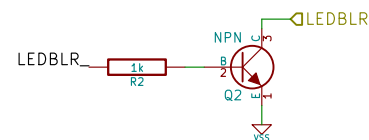


RIGHT SIDE

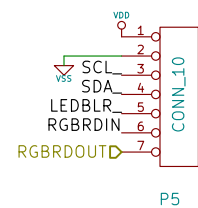
IO Expander



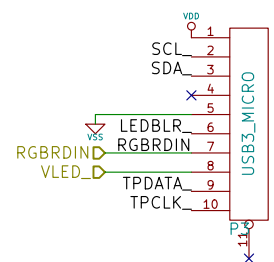
Backlight relay



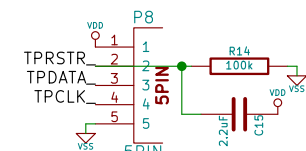
Debug headers



Interconnect to left half

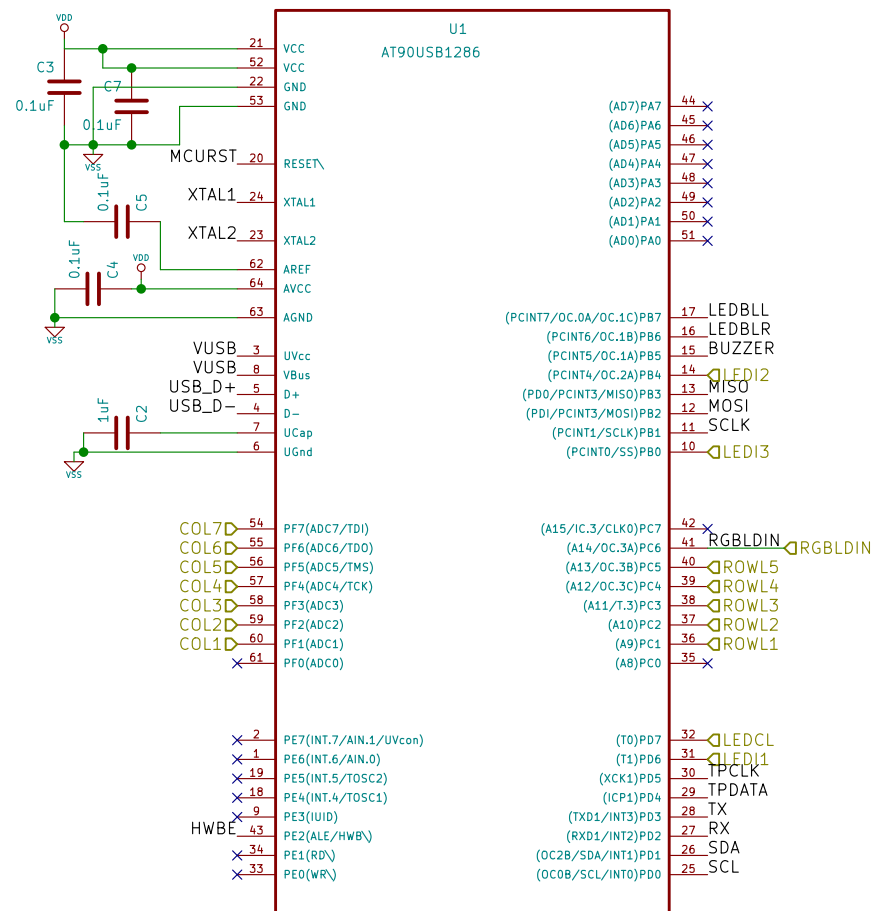


Trackpoint (Optional)

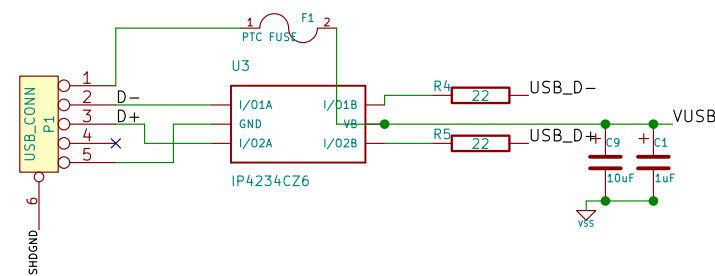


Pullups have to be soldered on left side

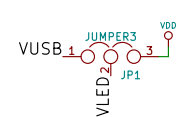
Microcontroller



USB Circuit

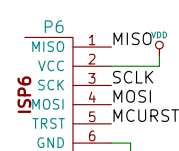


Req for non-wireless



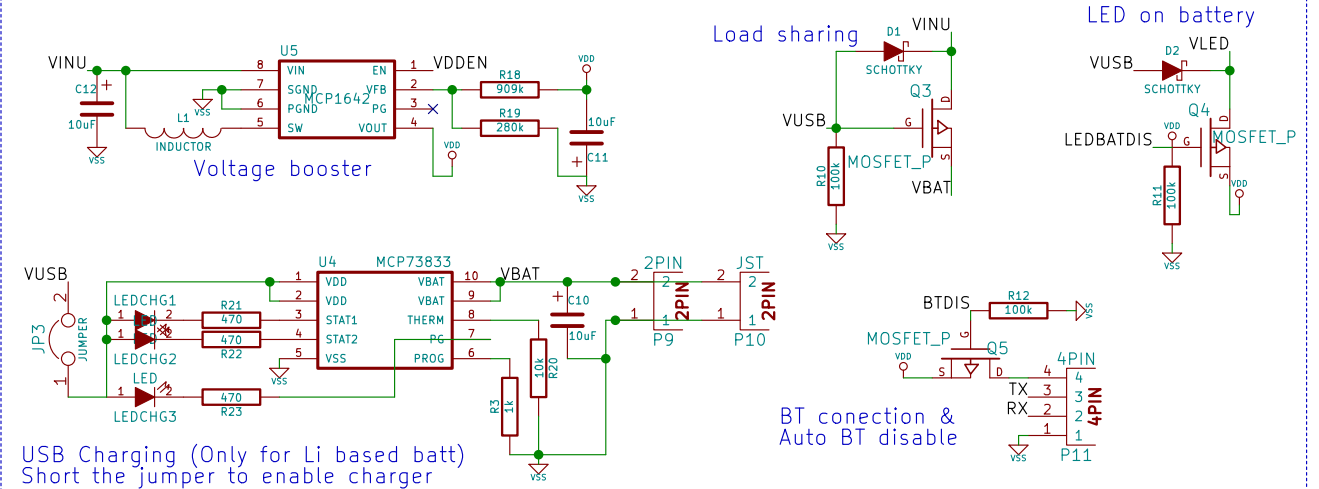
Short this jumper if wireless circuit is not installed

ISP Tag Connect



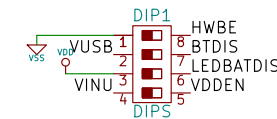
LEFT SIDE

Wireless (Optional)



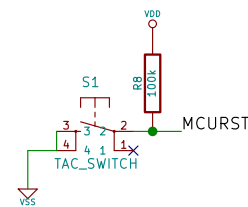
USB Charging (Only for Li based batt)
Short the jumper to enable charger

Dipswitches

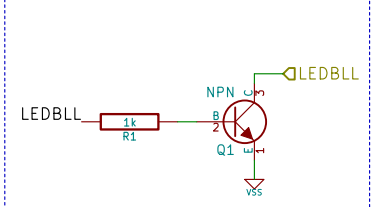


Only 1-> 8 is for HWBE for which a jumper is also available, others are for wireless function

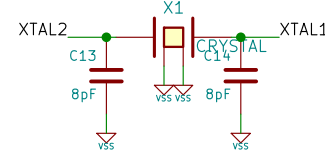
MCU RESET



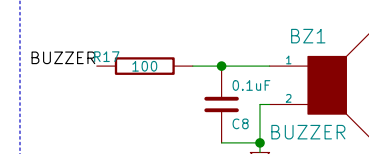
Backlight relay



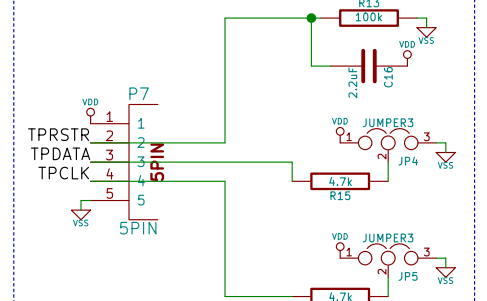
Crystal



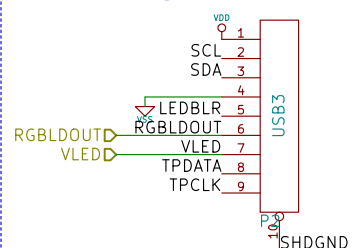
Buzzer (Optional)



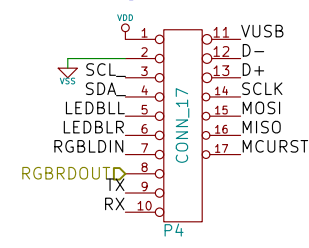
Trackpoint (Optional)



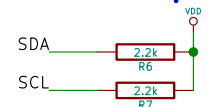
To right half



Debug headers



I2C Pullups



HWBE Jumper



MOZ

Sheet: /mcu/
File: mcu.sch

Title: TS65

Size: A3 Date: 2016-03-06
KiCad E.D.A. kicad 4.0.1-stable

Rev: Rev 0.4
Id: 3/3