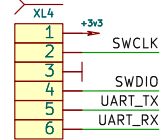
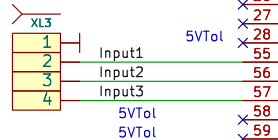


## MCU

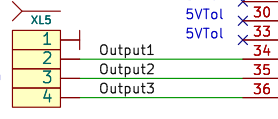
### Programming & debug



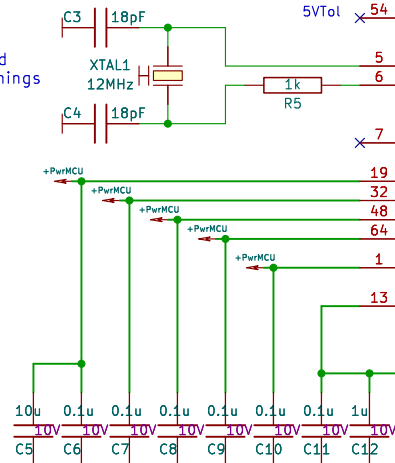
Inputs  
5V Tolerant



Outputs  
Open-Drain  
5V Tolerant

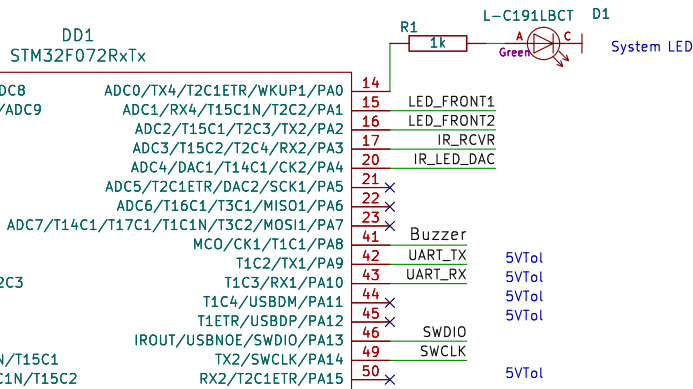


Crystal required  
for exact IR timings  
and freqs



### Periphery

TIM1  
Ch1 - Buzzer  
TIM2  
Ch1 - SysLED  
Ch2 - LED\_Front1  
Ch3 - LED\_Front2  
TIM3 - Indication LEDs  
TIM6, TIM7 - IR TX  
TIM14 - System Timer  
TIM15 - IR RX  
TIM16, TIM17 - spare IR TX



PD2

OSCIN/PF0

OSCOUT/PF1

NRST

VDD

VDDIO2

VDD

VDDA

VSSA

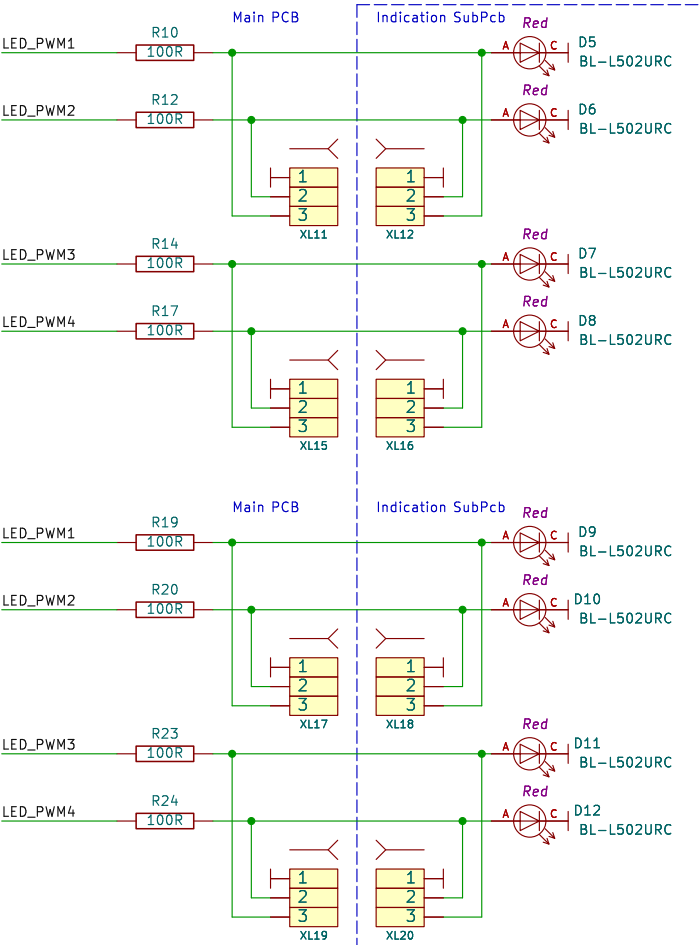
VSS

VSS

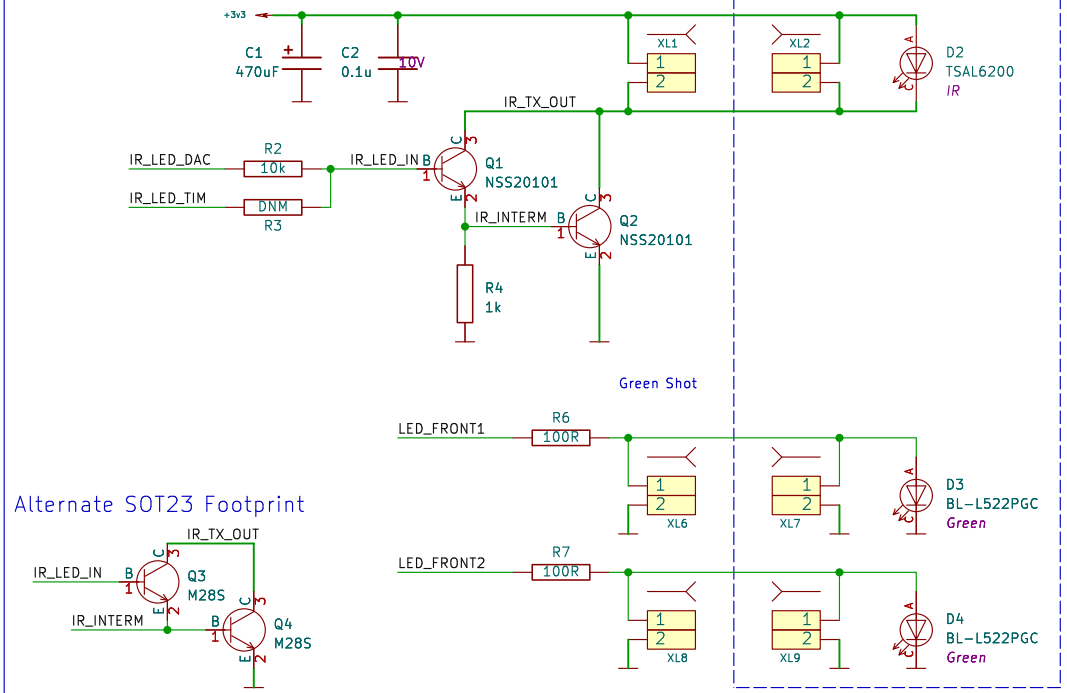
VSS

BOOT0

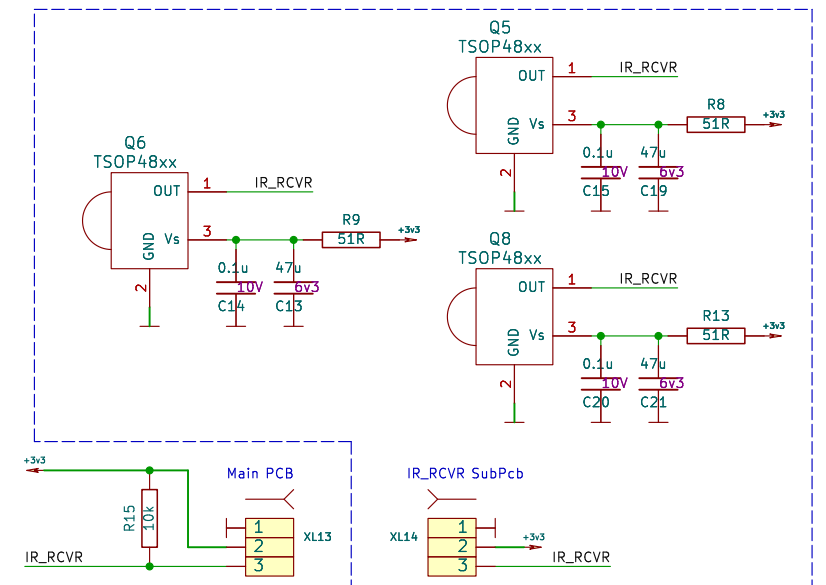
## Indication LEDs



## IR Transmitter



## IR Receivers



## Sound

