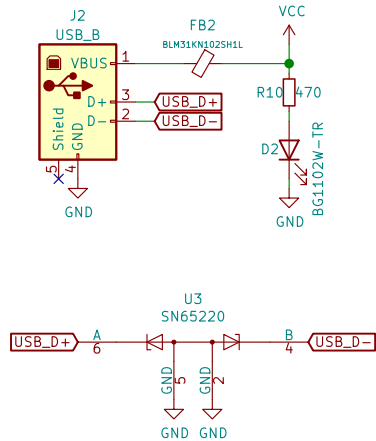


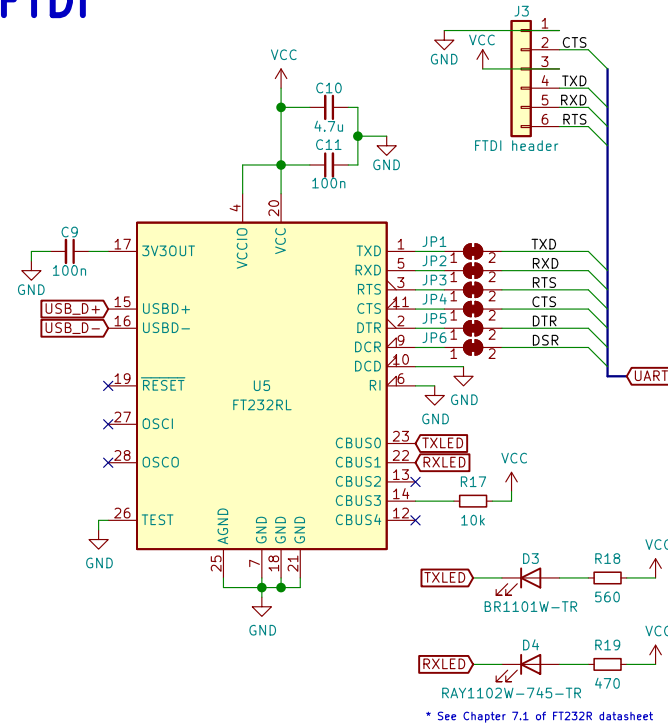
Size: A4	Date:	Rev: r2
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## USB + ESD



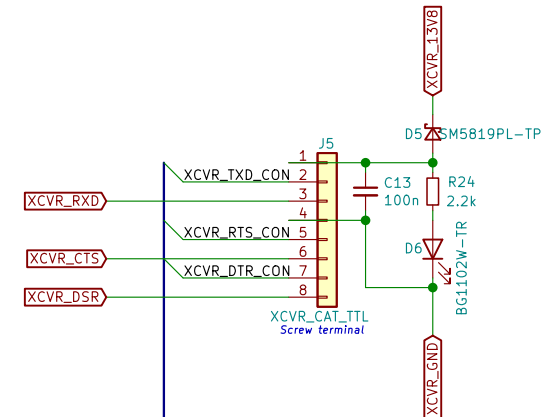
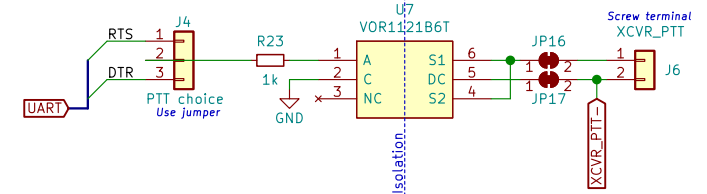
\* See Chapter 13.2 of SN65220 datasheet  
\* See Table 3.5 of FT232RL datasheet, series resistors are internal

## FTDI

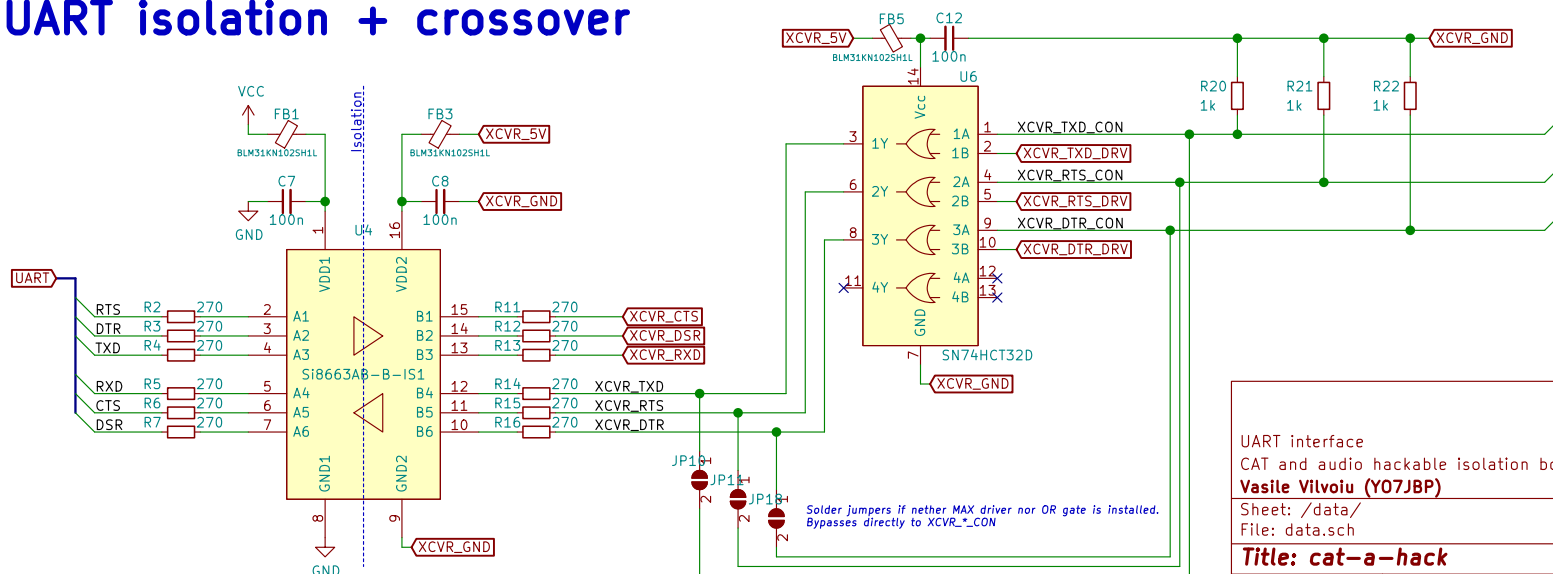


\* See Chapter 7.1 of FT232RL datasheet

## PTT + isolation



## UART isolation + crossover



Solder jumpers if neither MAX driver nor OR gate is installed.  
Bypasses directly to XCVR\_CON

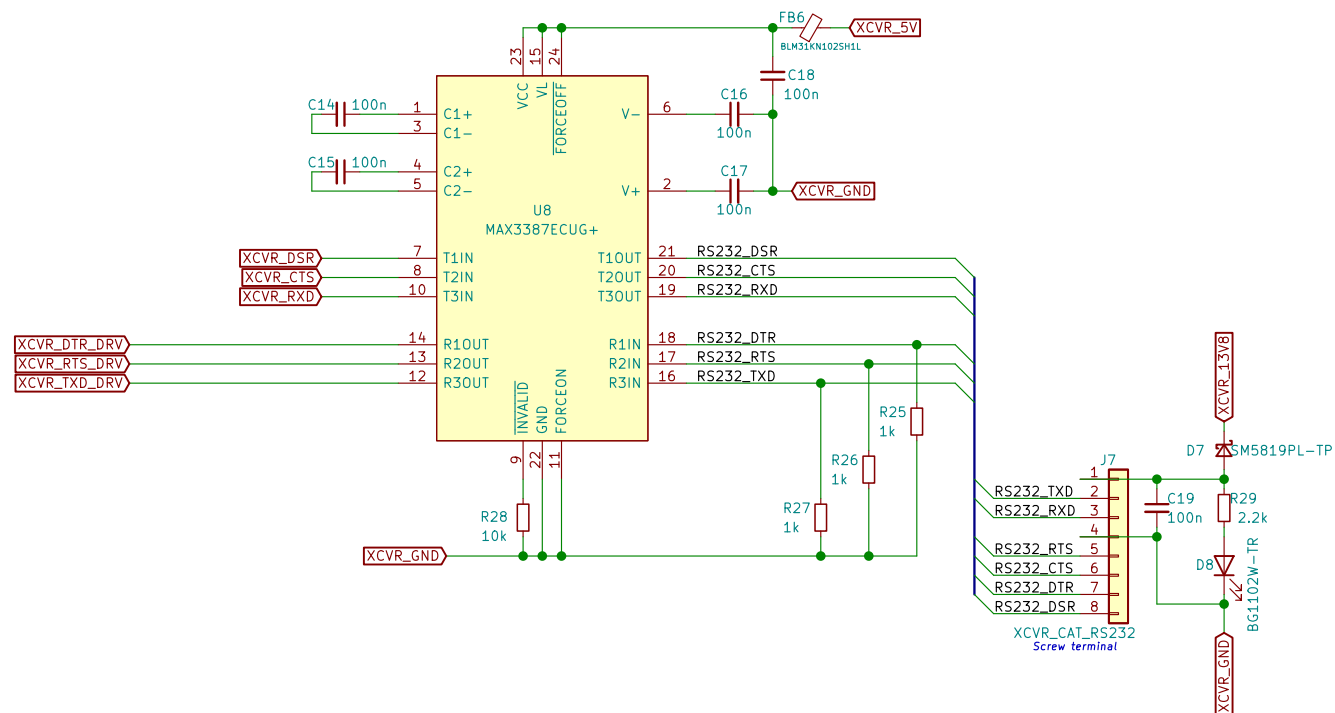
UART interface  
CAT and audio hackable isolation board  
**Vasile Vilvoiu (Y07JBP)**  
Sheet: /data/  
File: data.sch

**Title: cat-a-hack**

Size: A4 Date:  
KiCad E.D.A. kicad 5.1.8

Rev: r2  
Id: 3/5

## RS232 line driver



RS232 driver for UART interface  
CAT and audio hackable isolation board

**Vasile Vilvoiu (Y07JBP)**

Sheet: /data/rs232/

File: rs232.sch

**Title:** cat-a-hack

Size: A4

Date:

Rev: r2

Size: A4	Date:
KiCad E.D.A.	kicad 5.1.8

Id: 4/5

