

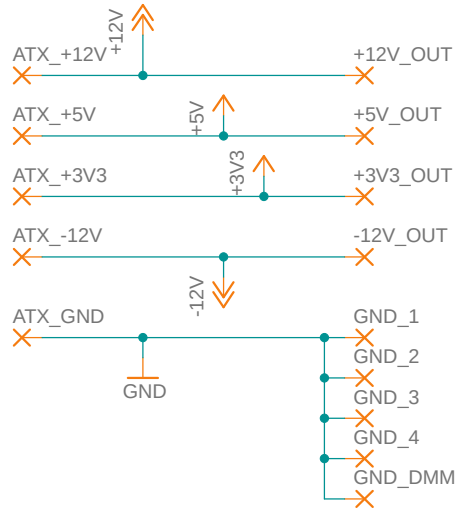
PS_Fgen_HW

MainBoard v5

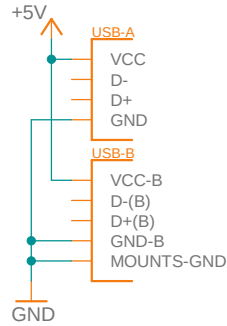
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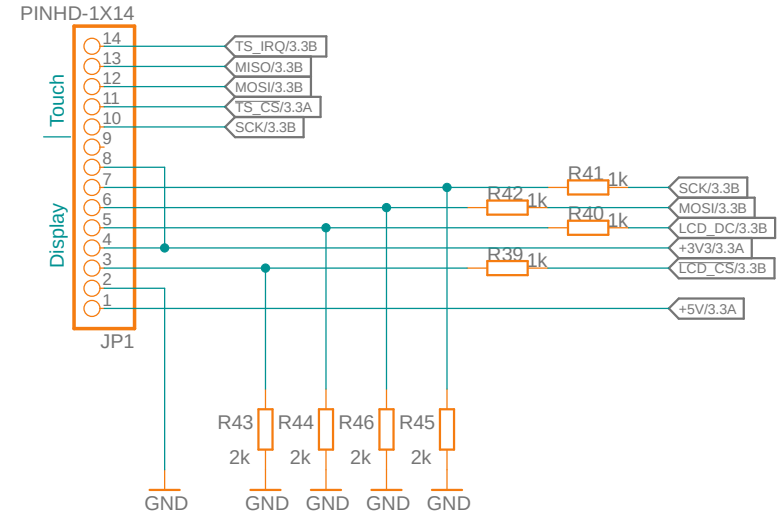
ATX Power Input



USB Power

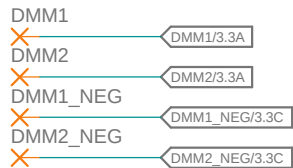


Display / Touch



The used display is a ILI9341 that is operating on 3.3V. This includes the MOSI, CLK, LCD_DC and LCD_CS. The display has an integrated touch controller XPT2046. CAUTION: The display module was modified to operate the XPT2046 on 5V. The supply of the XPT2046 was cut and rewired to 5V directly.

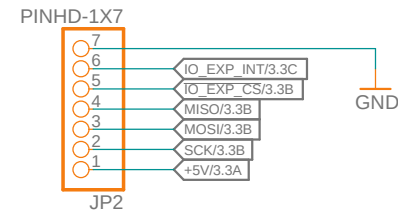
DMM



DMM1 & DMM2 input range: 0 .. 5 V

DMM1_NEG & DMM2_NEG indicate a negative voltage on DMM1 or DMM2

Output Controls



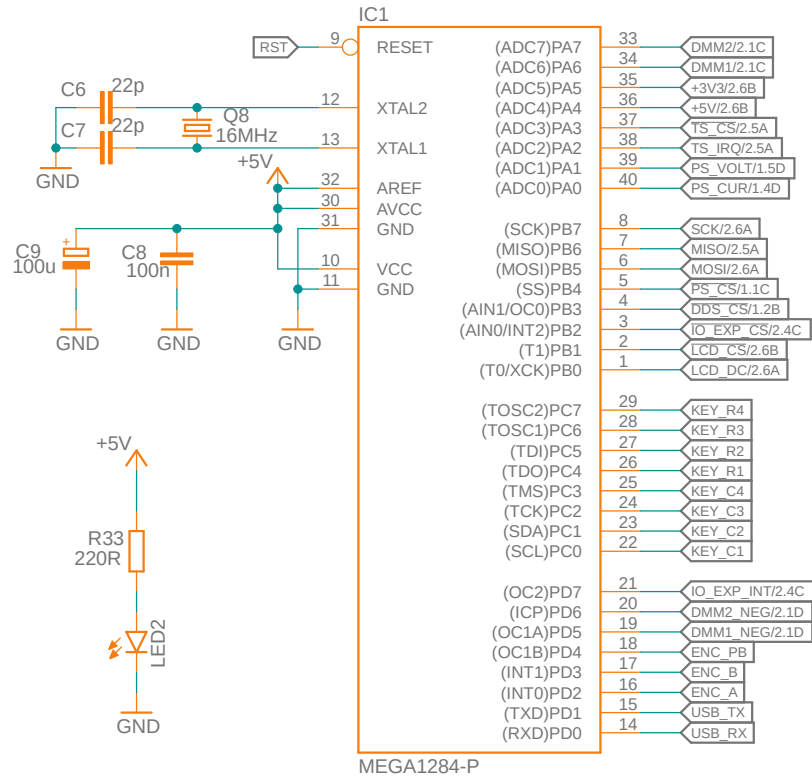
Unused



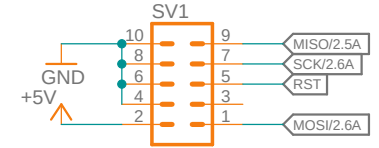
PS_Fgen_HW

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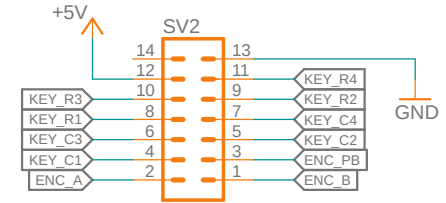
Microcontroller



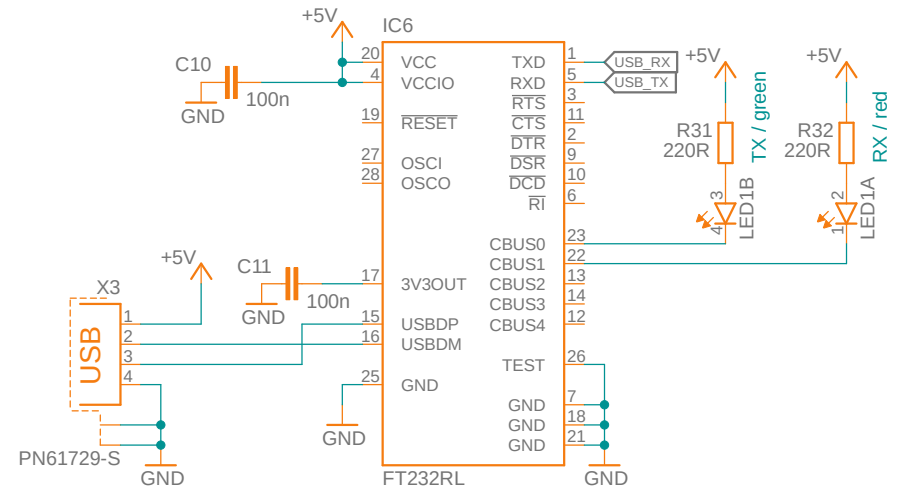
ISP



FrontPanel Connector



USB Data



PS_Fgen_HW

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