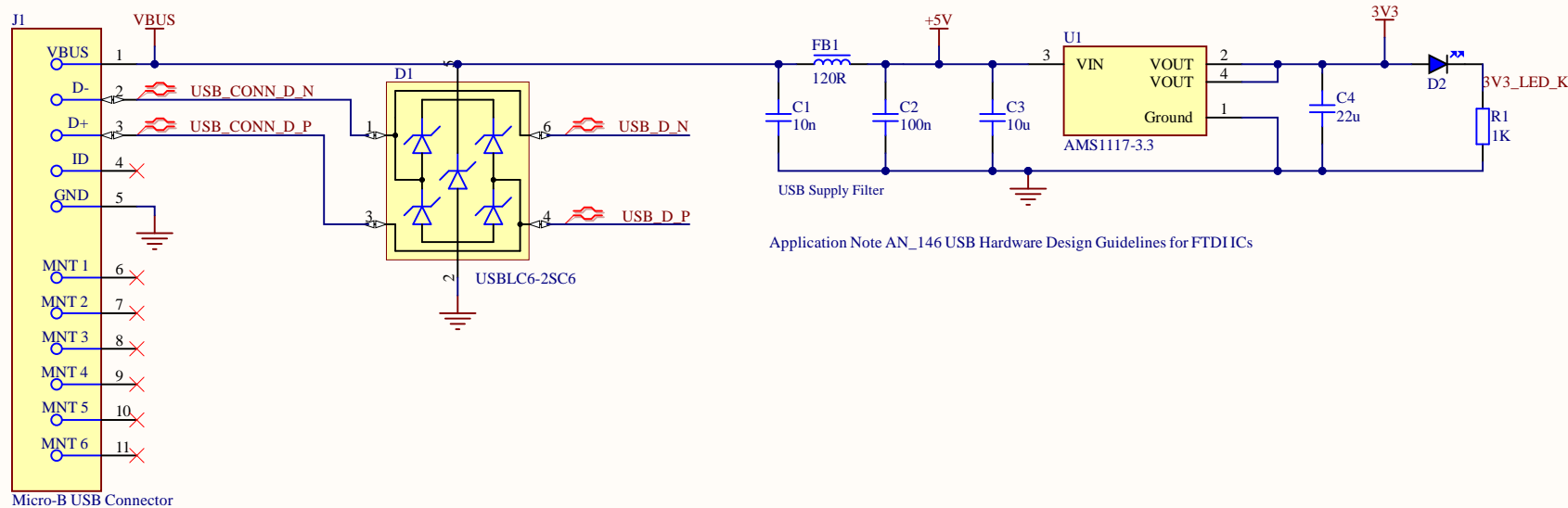


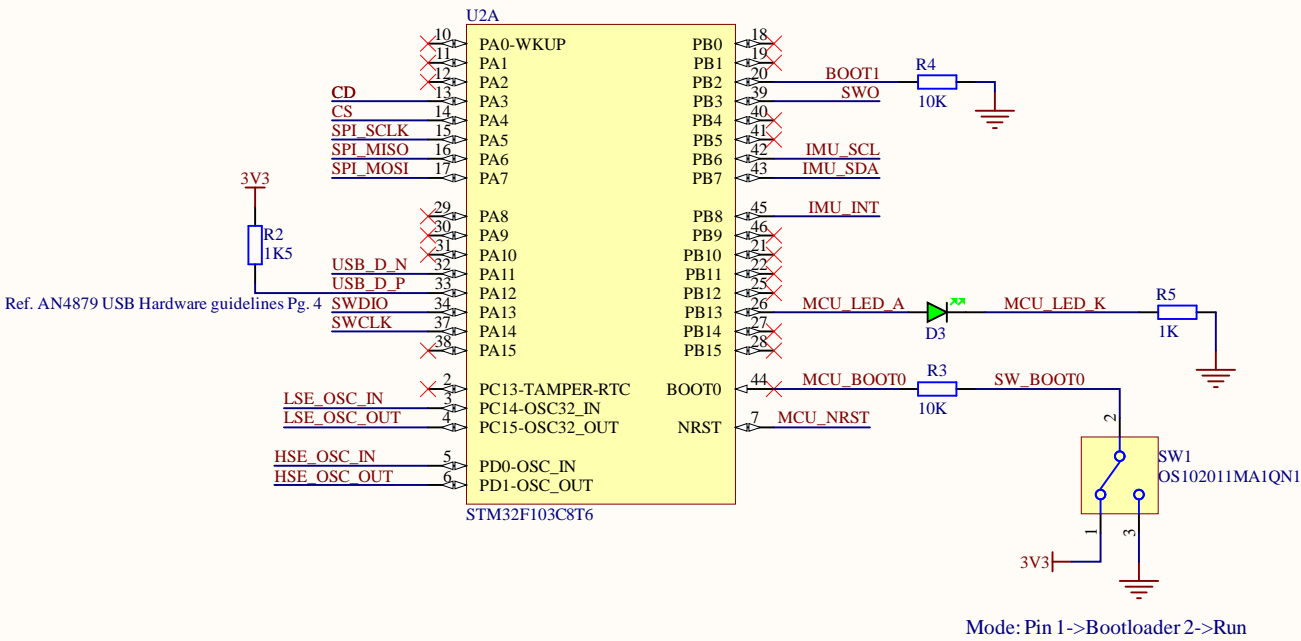
USB Supply Filtering + Power Supply (3.3V)



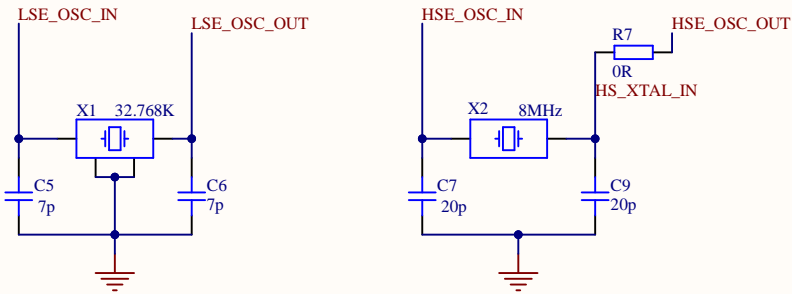
Application Note AN_146 USB Hardware Design Guidelines for FTDI ICs

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MCU



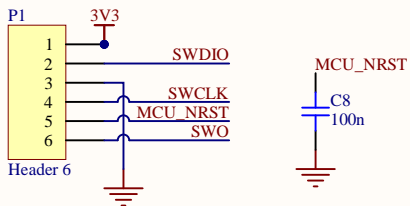
XTALs



Ref. AN2867 Crystal Design

$$CL = C(\text{crystal}) * C(\text{crystal}) / (2 * C(\text{crystal}) + C(\text{stray}))$$

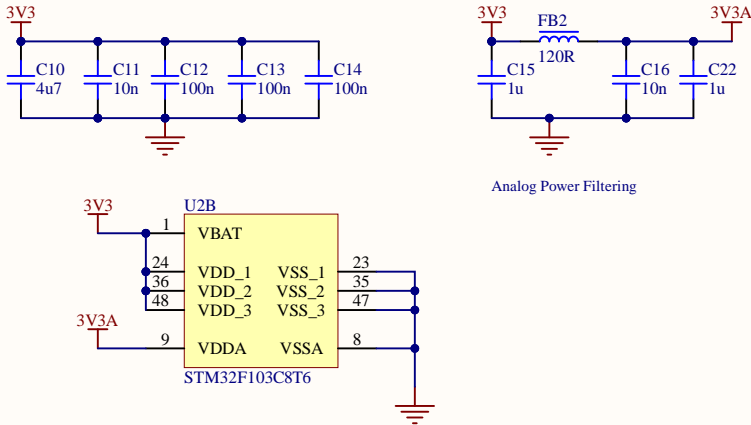
JTAG Header



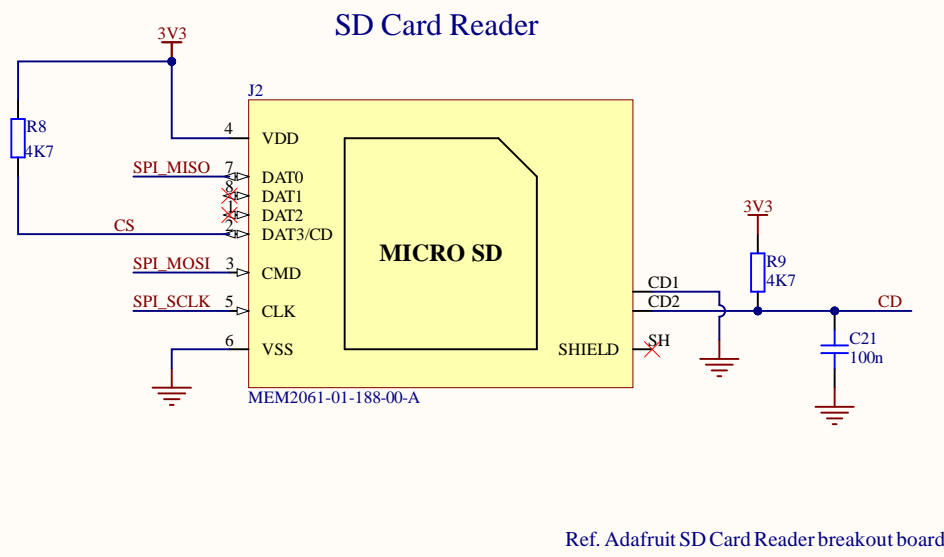
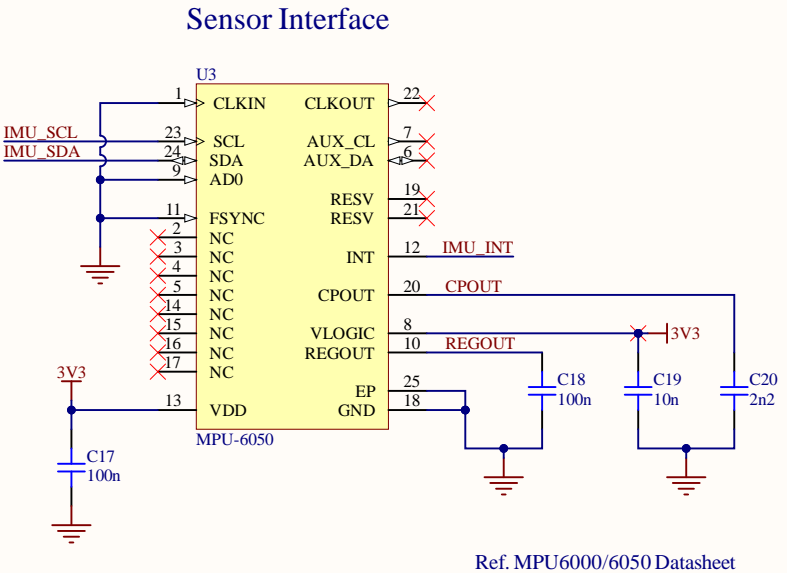
Ref. UM1075 STLINK V2

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MCU Power Supply



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