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Revision History

Date	Description
23/12/18	Initial Release

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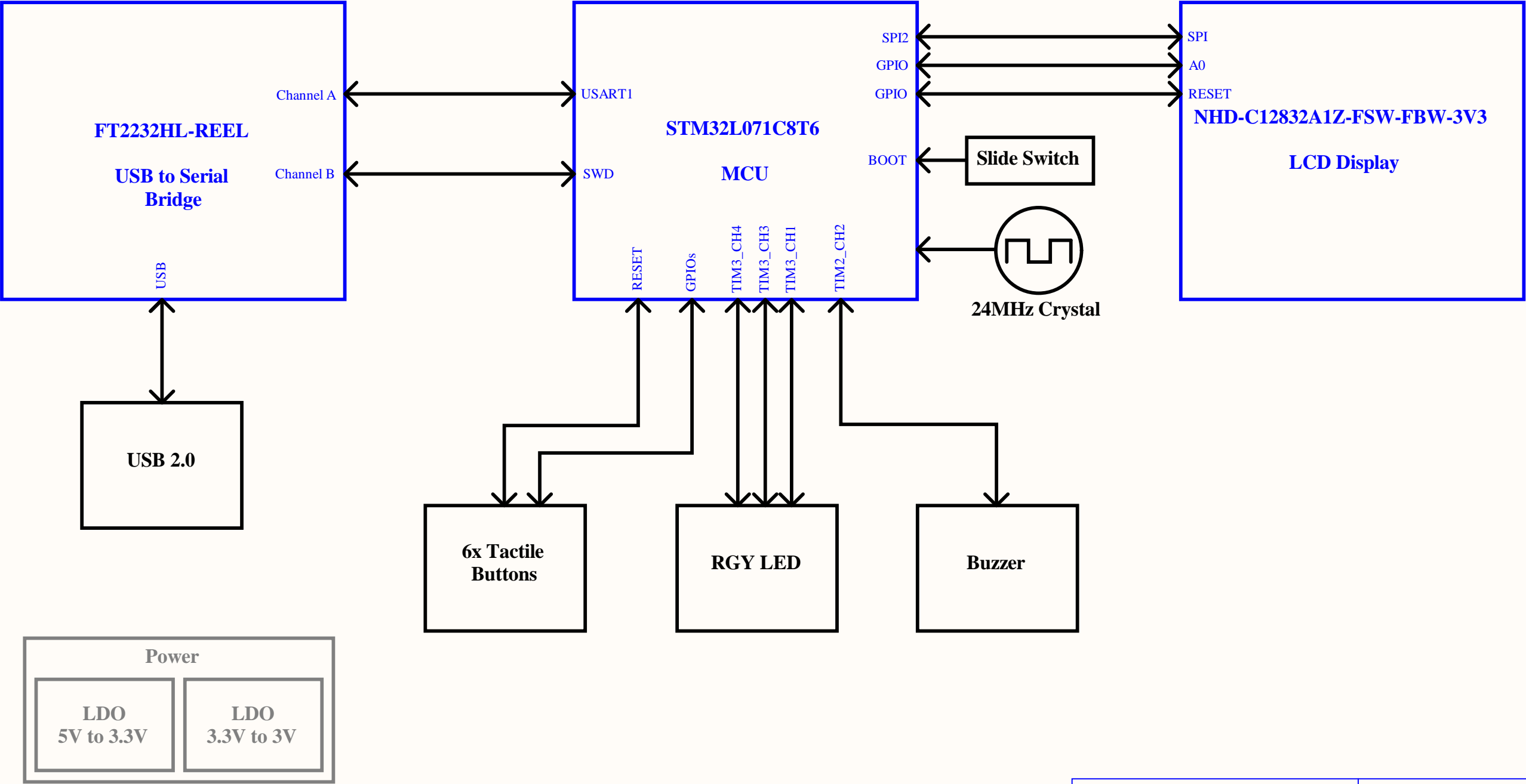
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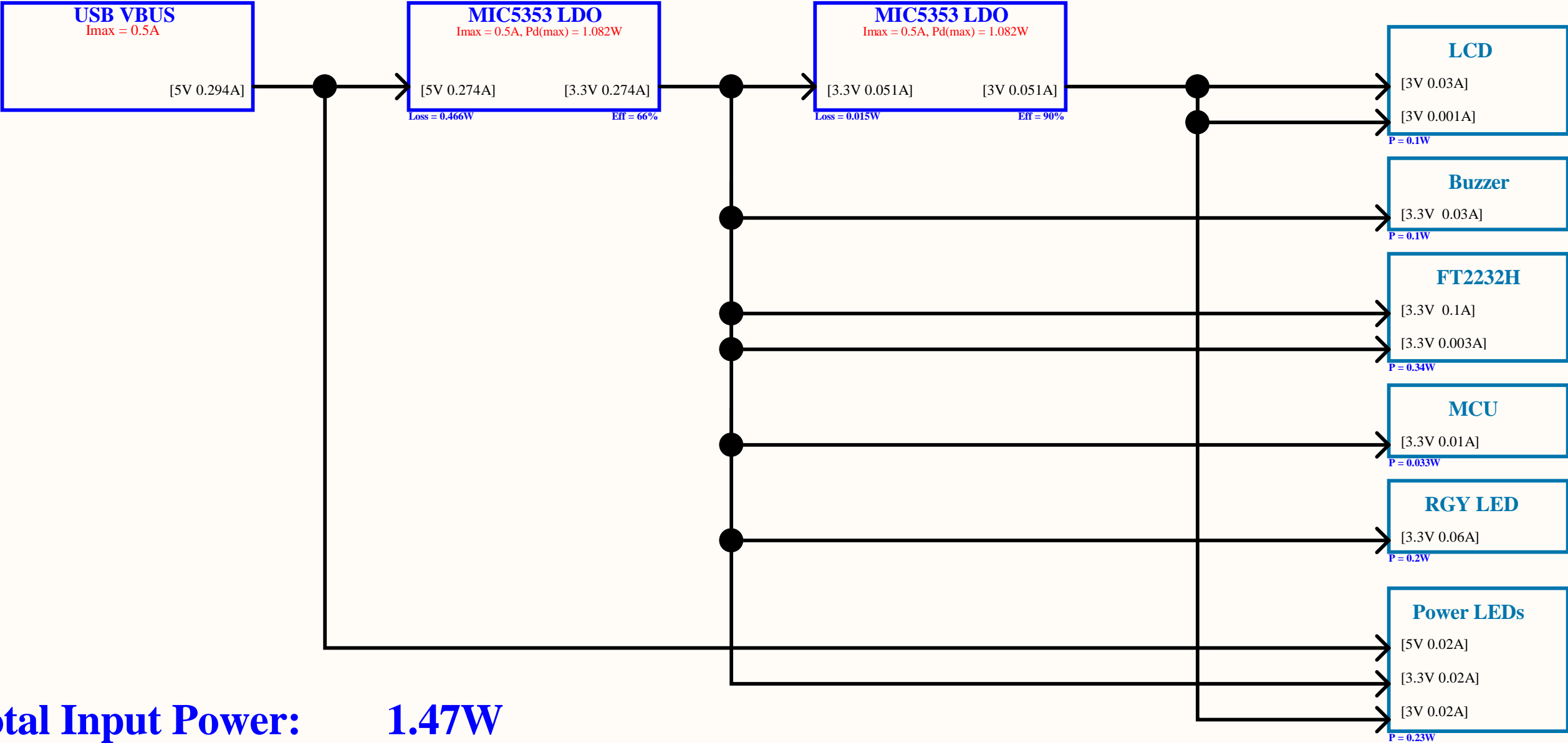
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Block Diagram

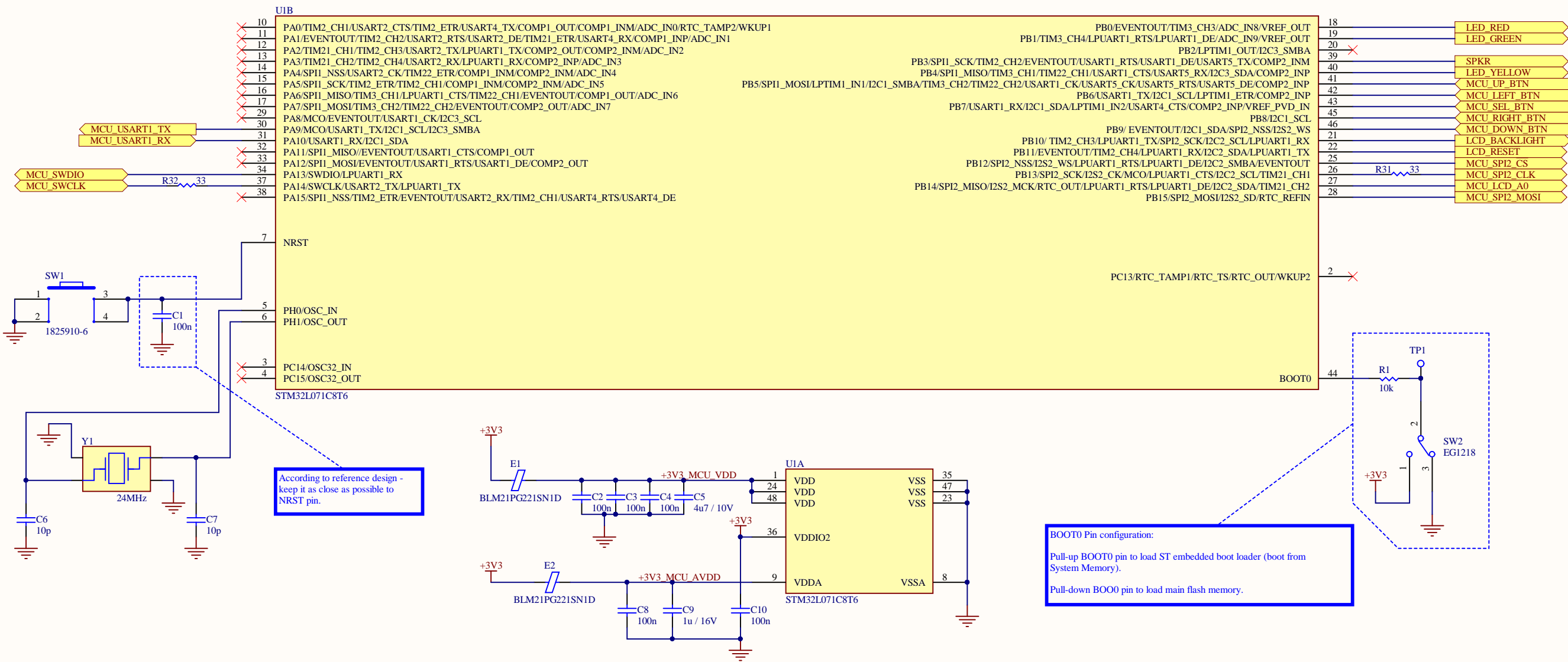


Power Deliver Diagram



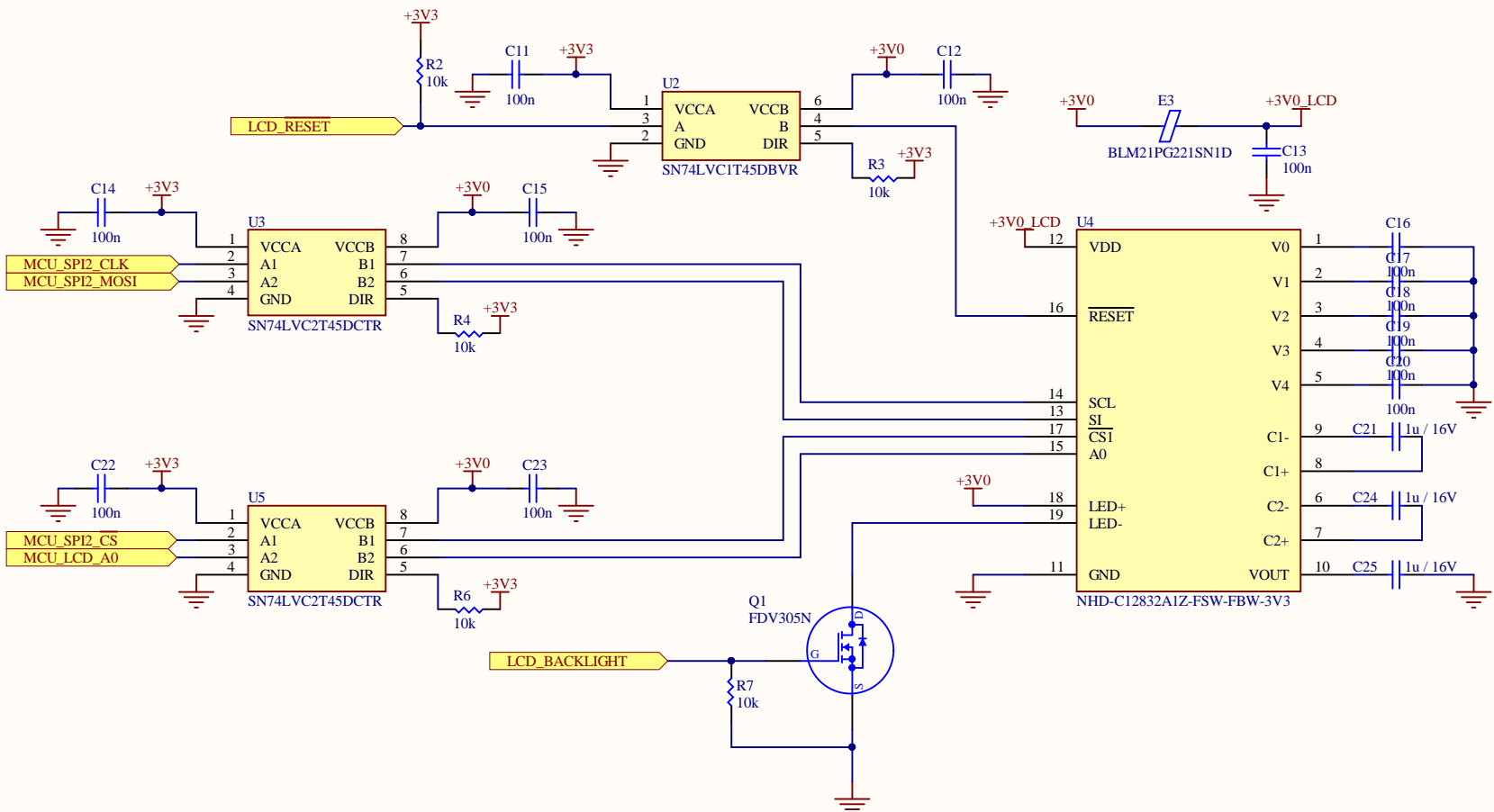
Total Input Power: 1.47W
Total Output Power: 1.003W
Total Power Loss: 0.467W
Total Efficiency: 68.231%

MCU

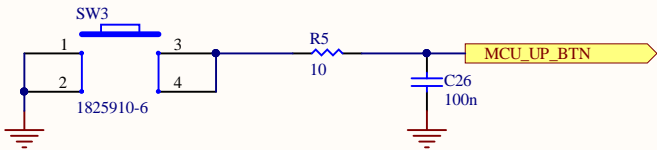


Peripherals

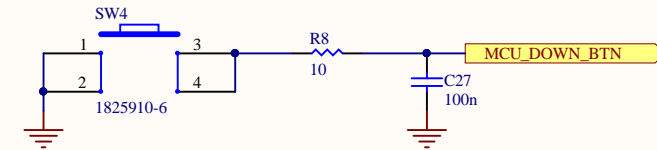
LCD Display



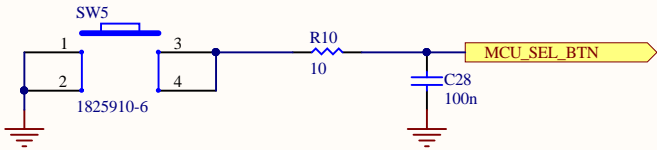
Up Button



Down Button

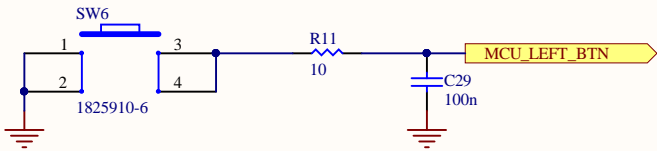


Select Button

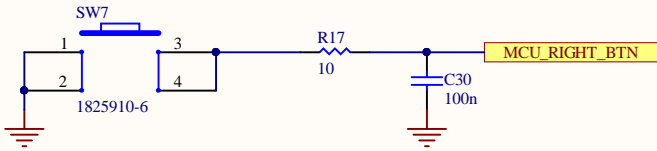


Make sure button's GPIOs are configure to pull-up input mode.

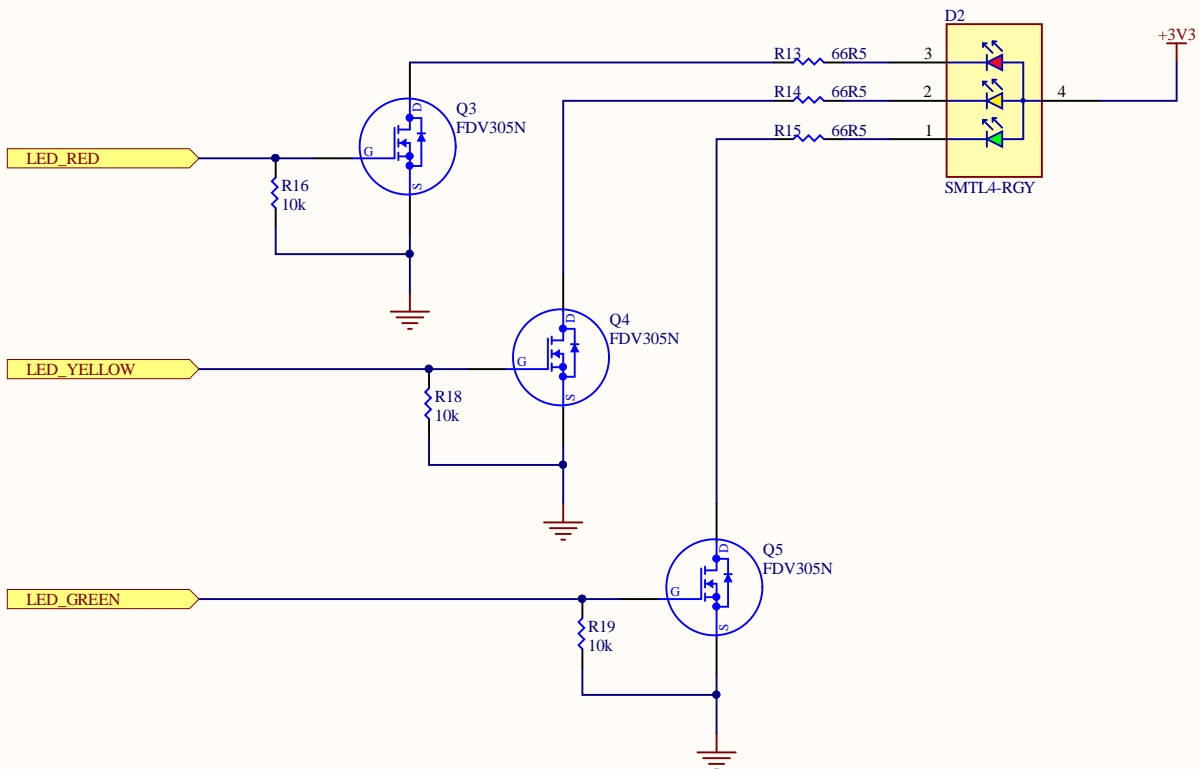
Left Button



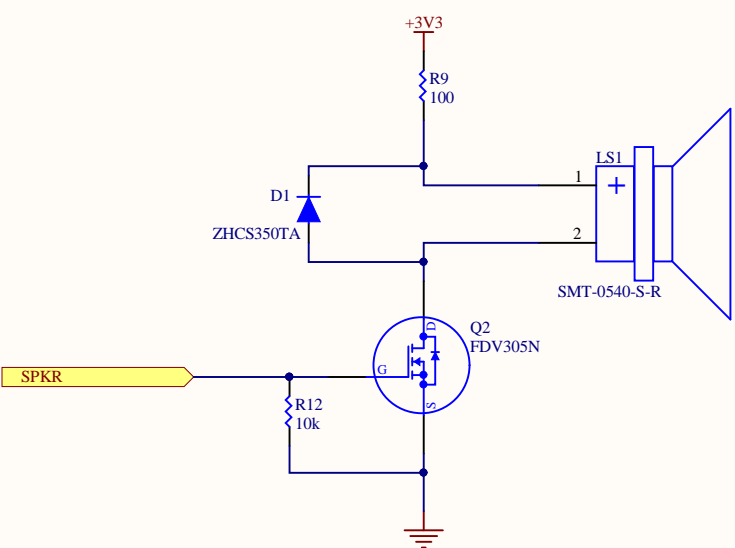
Right Button



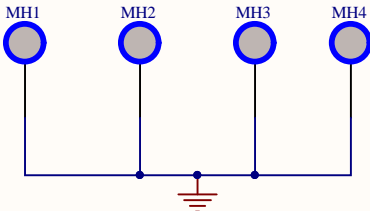
Red-Green-Yellow LED



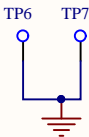
Buzzer



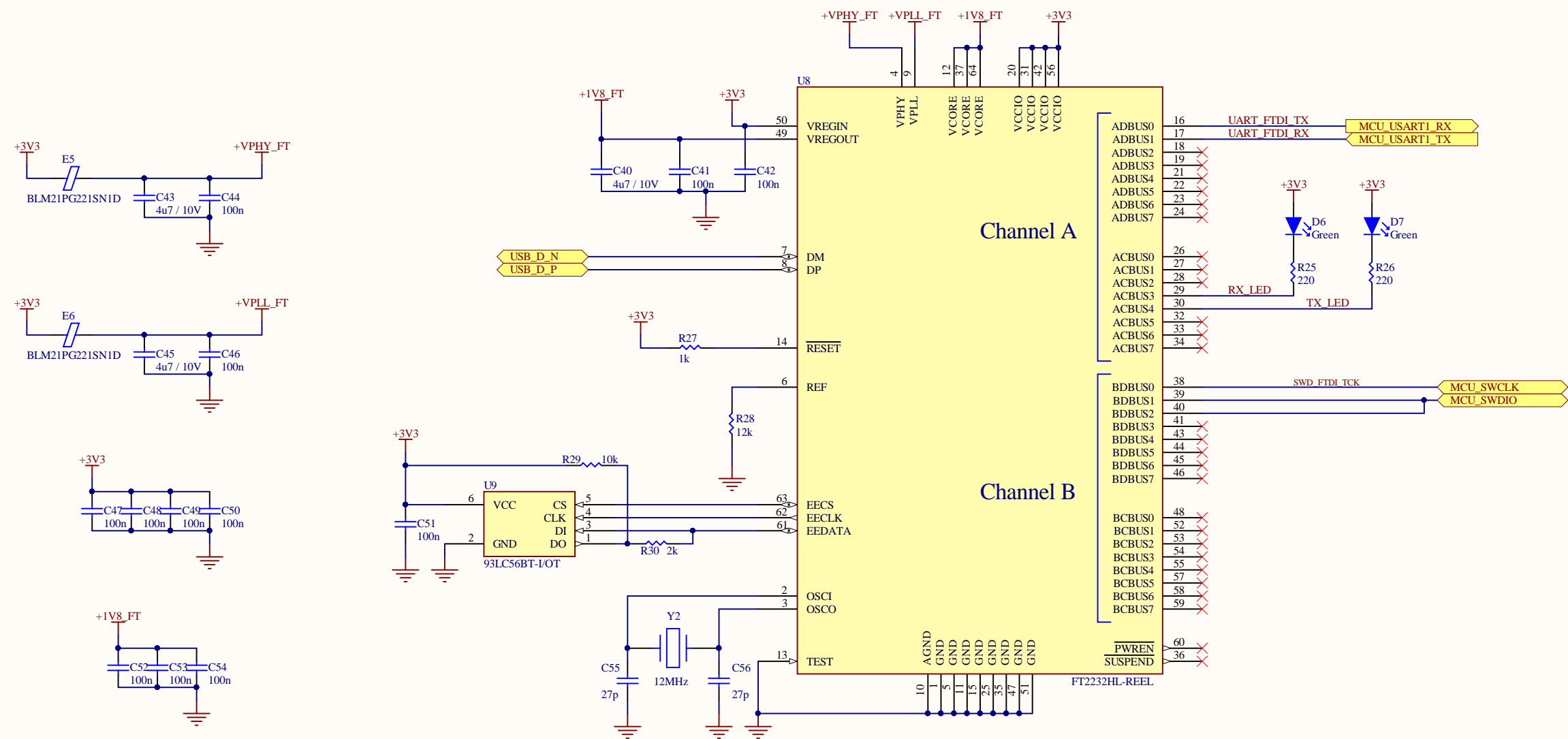
Mounting Holes



Ground Test Points

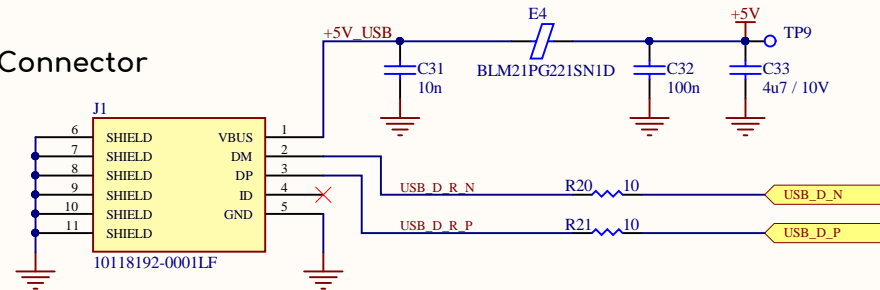


Bridge, USB to UART, SWD

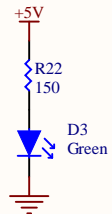


Power

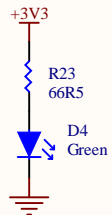
USB PC Connector



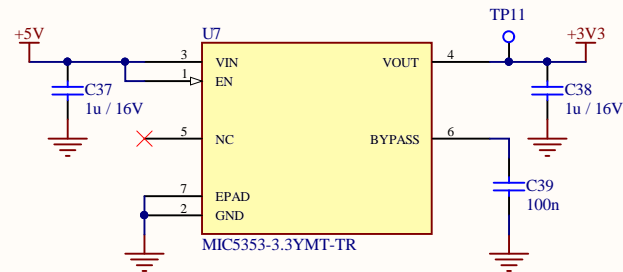
USB Power Rail LED Indicator



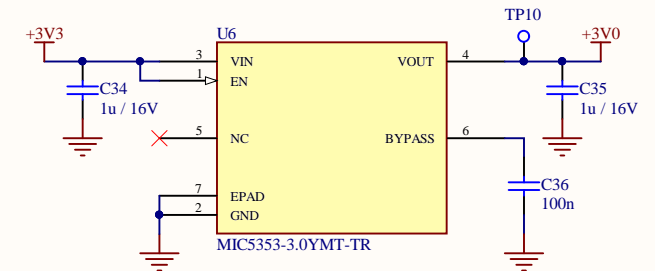
3.3V Power Rail LED Indicator



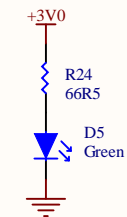
5V to 3.3V LDO



3.3V to 3V LDO



3V Power Rail LED Indicator



Title: Power			Github: https://github.com/barakgut
Size: A4	Number:	Revision: A	
Date: 25-Dec-18		Sheet 7 of 7	
File: power.SchDoc			