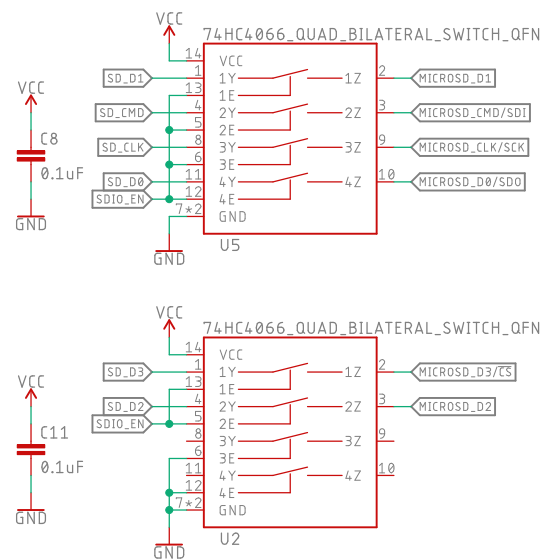
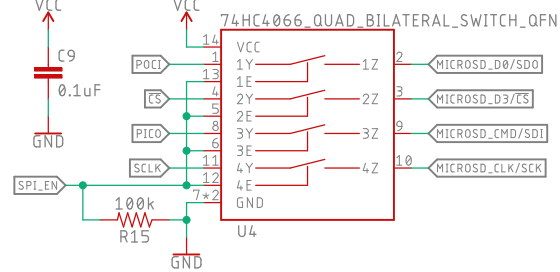


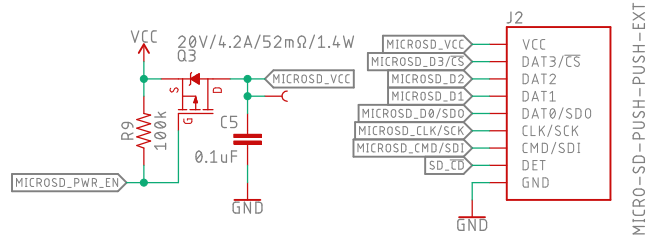
SDIO Buffers



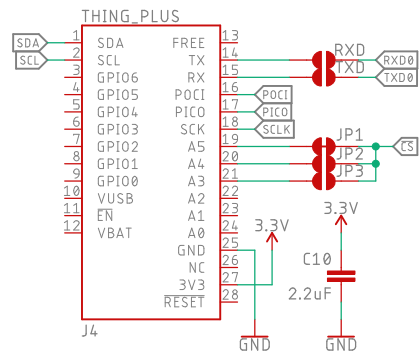
SPI Buffer



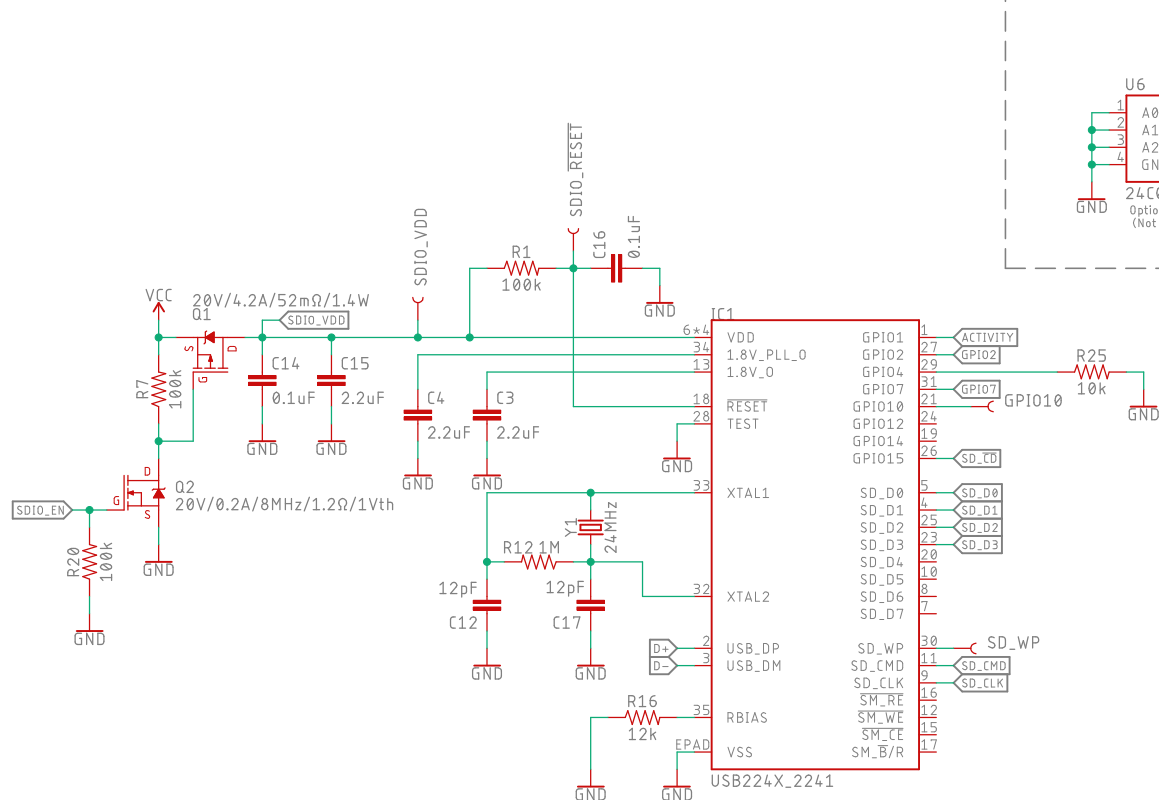
microSD Socket



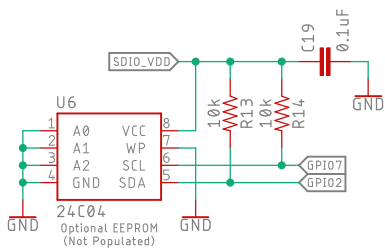
Thing Plus Footprint



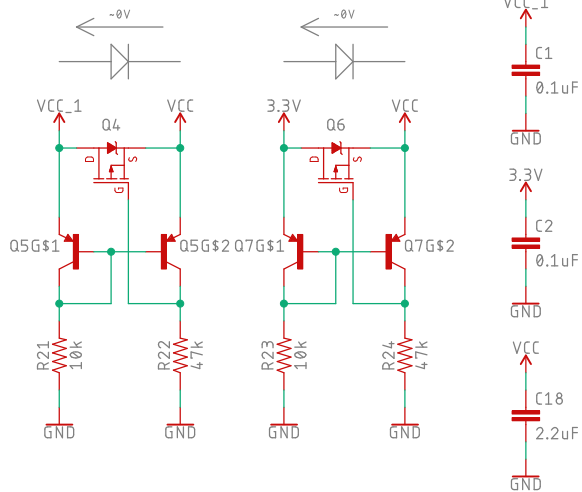
USB to SDIO Interface (USB2241)



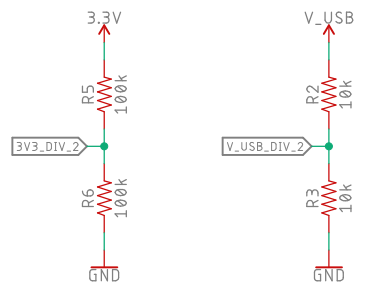
Optional EEPROM



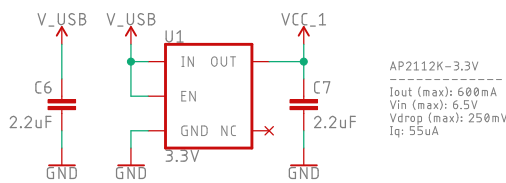
Power Mux



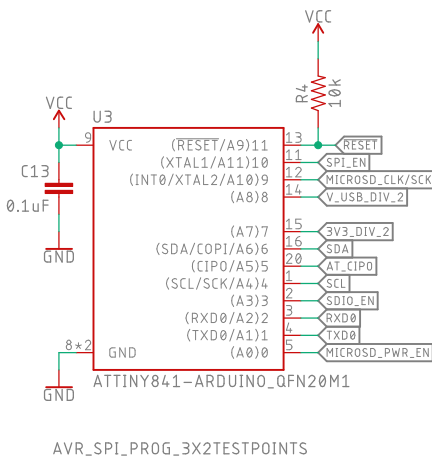
Voltage Sensing



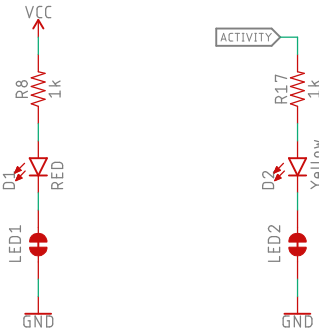
USB Voltage Regulation



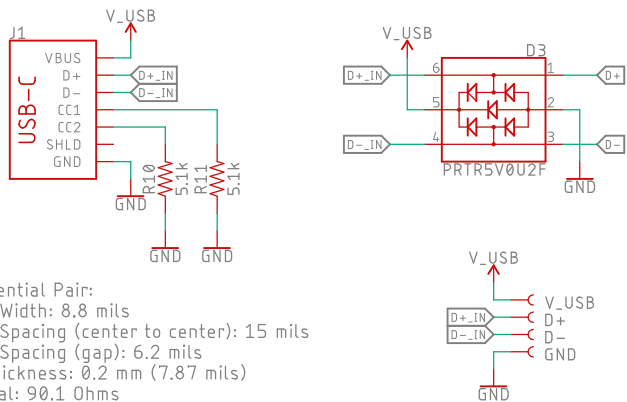
ATTiny841



LEDs



USB



USB Differential Pair:
Conductor Width: 8.8 mils
Conductor Spacing (center to center): 15 mils
Conductor Spacing (gap): 6.2 mils
Prepreg Thickness: 0.2 mm (7.87 mils)
Zdifferential: 90.1 Ohms
<https://saturnpcb.com/saturn-pcb-toolkit/>

Close split pads to enable I2C pull-ups
(Be aware that VCC will then try to back-feed power to the Thing Plus)
Default I2C Address (Unshifted): 0x51
Address is programmable



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TITLE: Dual-Port_Logging_Shield

Design by: Paul Clark

REV: v10

Date: 20/01/2022 09:07

Sheet: 1/1