U1
LABEL_JUMPER_1X3

Connection Summary

Shield	MSP	Description
ICSP-1	14	MISO
ICSP-3	7	SCK
ICSP-4	15	MOSI
RESET	5	W5200-RESET
5V	1	VCC (3V3)
GND	20	GND
A2	8	W5200-CS
D4	-	JP1: SD-CS jumper selection
Vcc	-	JP1: SD-CS (Pull high, SD disabled)
-	11	JP1: SD-CS (SD controlled from MSP)

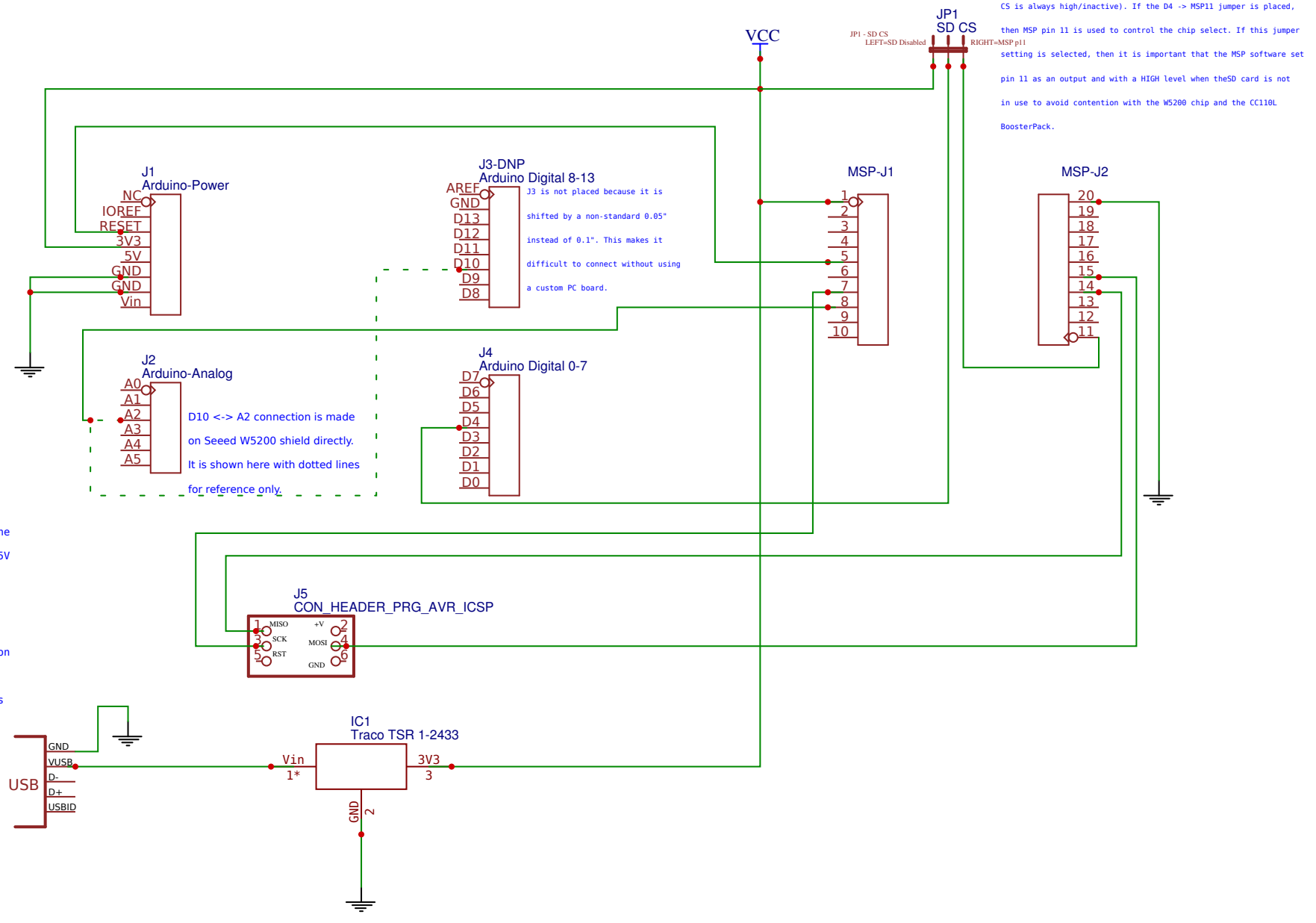
USB V+ -> TSR 1-2433 Vin (pin 1)

USB GND -> TSR 1-2433 GND, Shield GND, MSP pin 20

TSR 1-2433 3V3 Out (pin 3) -> Shield 5V pin, MSP pin 1

Note that the W5200 shield has been modified so that the 5V pin is used to power the board with 3.3 Volts. The 5V regulator has been removed from the shield and the Vin and Vout regulator pads have been jumpered together so that the 5V pin powers the 3V3 power rail. Additionally, D10 and A2 have been connected together on the shield itself. This is necessary to allow easier connection to the MSP, since the Digital 8-13 header is offset from the other headers by 0.05" instead of the standard 0.1".

JP1 is used to select the SD-card operation on the W5200 shield. If D4->Vcc jumper is placed, then the SD card is disabled (since CS is always high/inactive). If the D4 -> MSP11 jumper is placed, then MSP pin 11 is used to control the chip select. If this jumper setting is selected, then it is important that the MSP software set pin 11 as an output and with a HIGH level when theSD card is not in use to avoid contention with the W5200 chip and the CC110L BoosterPack.



TITLE: Shield-LaunchPad Interface Board		REV: 1.0
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EasyEDA V4.11.9	Drawn By: Andy4495	