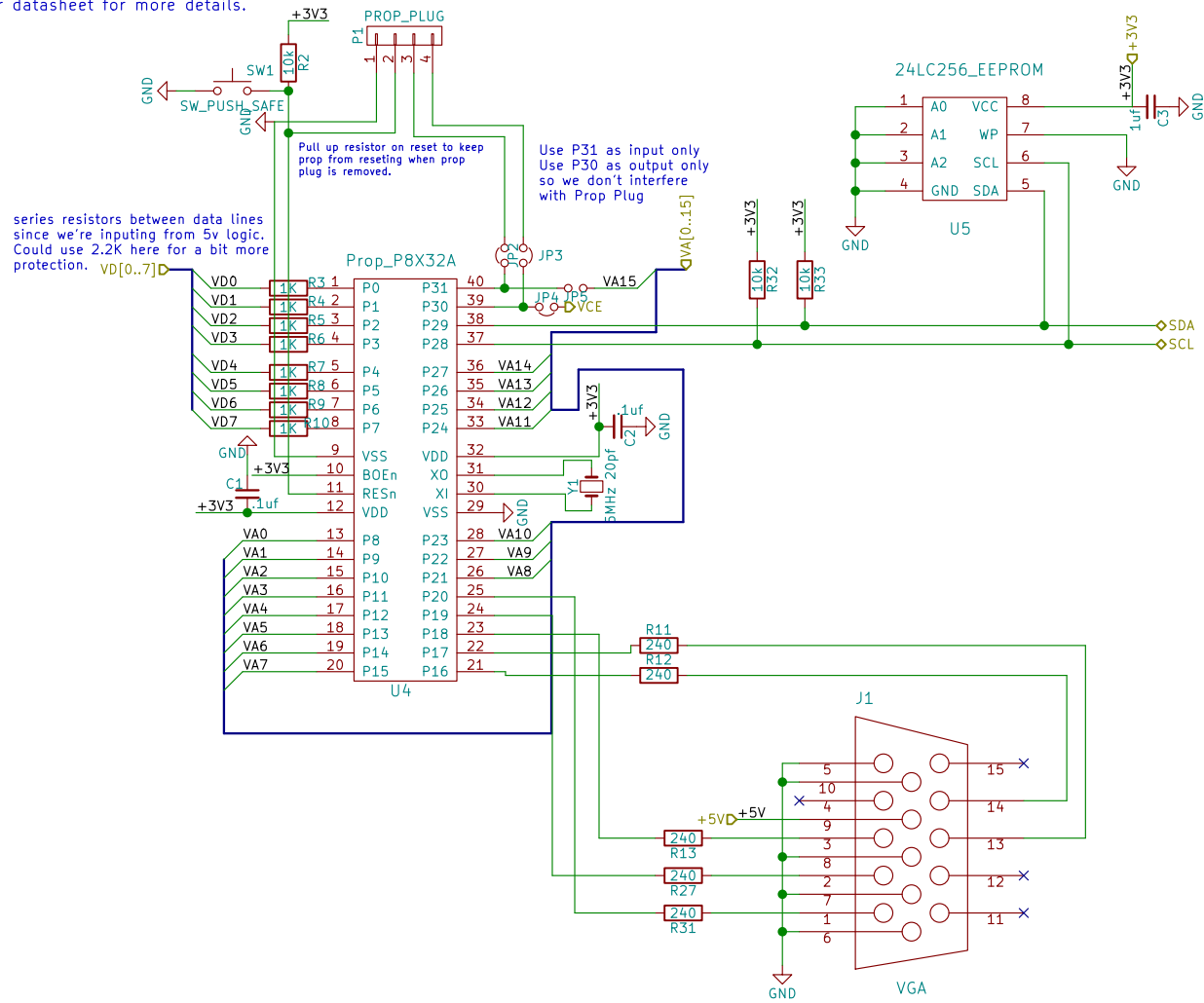


Note: I chose to tie BOEn (Brown Out Enable) high instead of low on the propeller to disable the brown out functionality. I did this since I wanted the use of a reset button, and I didn't want to worry about interference from the SID chip causing wonky reset behavior with the propeller. Since BOEn is tied high, I needed to add a 10k pullup resistor to the reset line. See propeller datasheet for more details.



Sheet: /Video/
File: video.sch

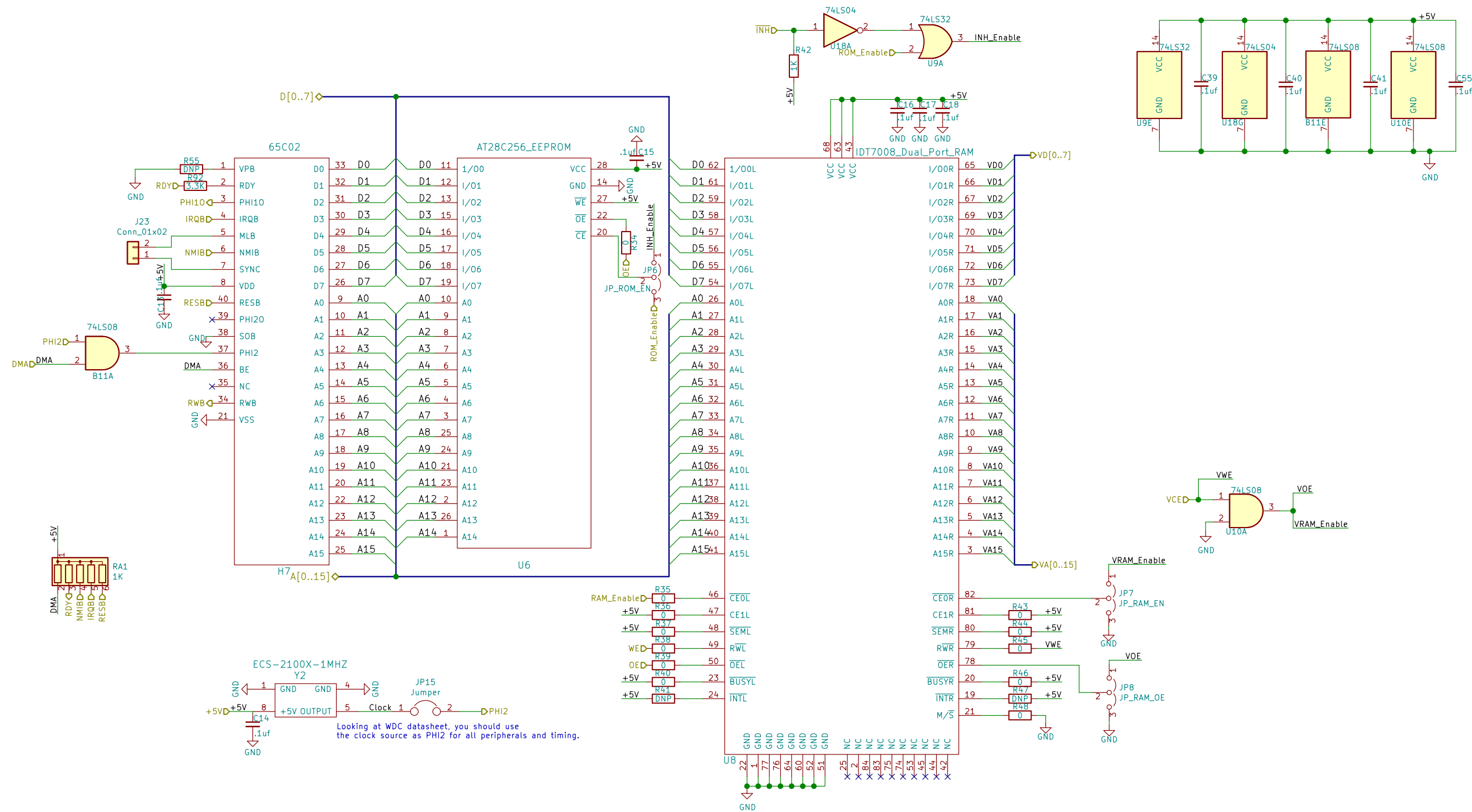
Title: PROPELLER PERIPHERAL I/O

Size: A4 Date: 3/22/2016

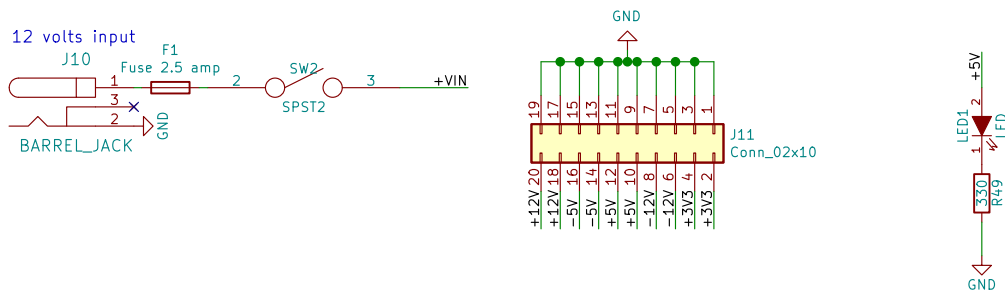
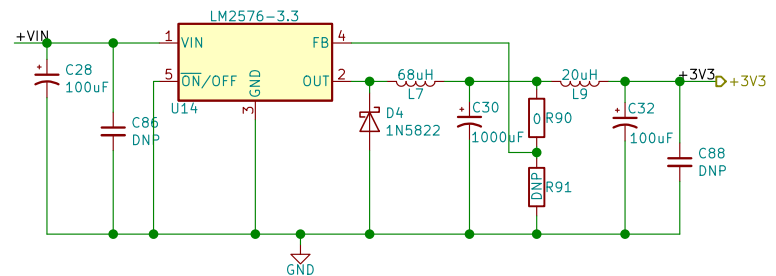
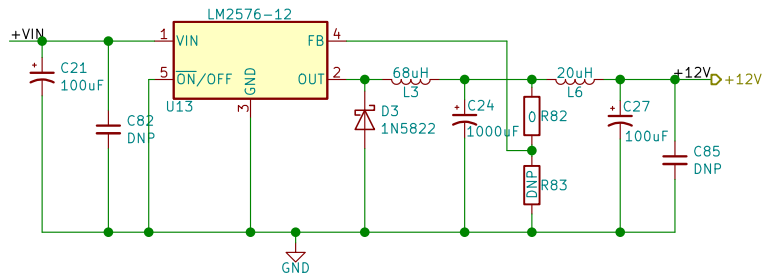
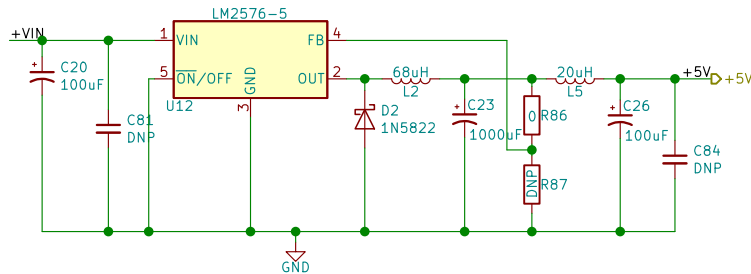
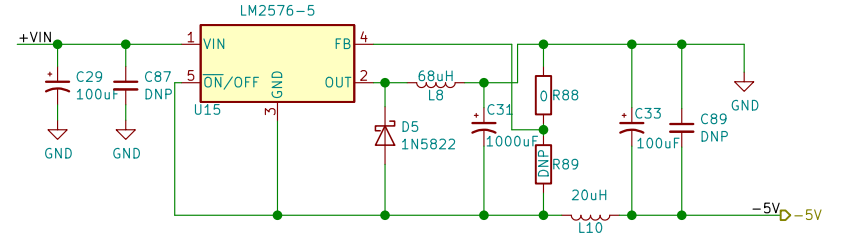
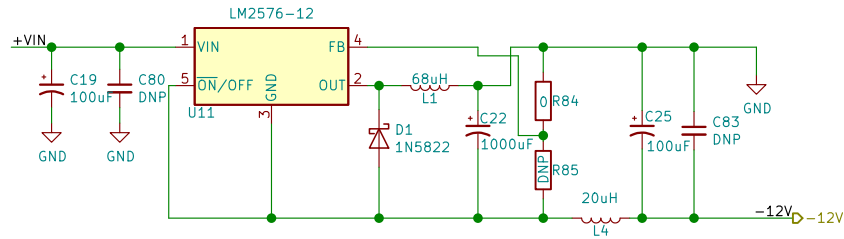
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Rev: 1.A

Id: 3/8

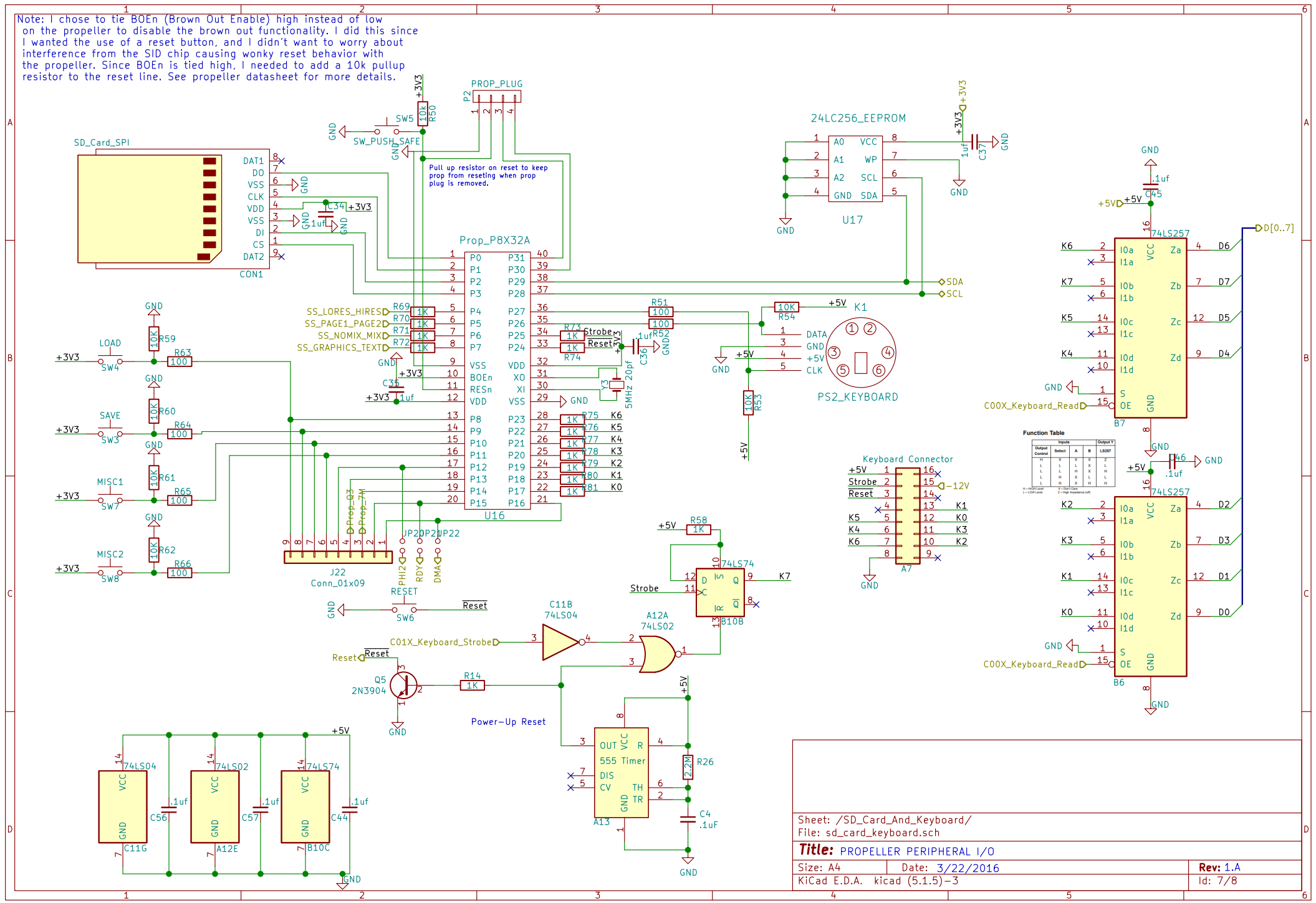


Added flexibility of voltage programming resistors into the fixed regulator design in case I ever wanted to go with the adjustable lm2576 version for cost savings.



Sheet: /Power_Supply/	
File: power_supply.sch	
Title: POWER SUPPLY, ADDRESS DECODING	
Size: A4	Date: 3/22/2016
KiCad E.D.A. kicad (5.1.5)-3	Rev: 1.A
	Id: 6/8

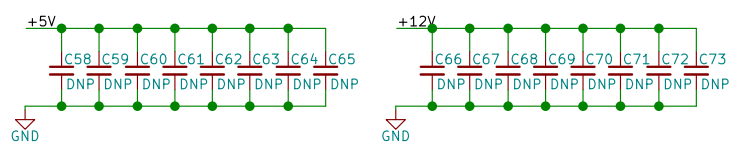
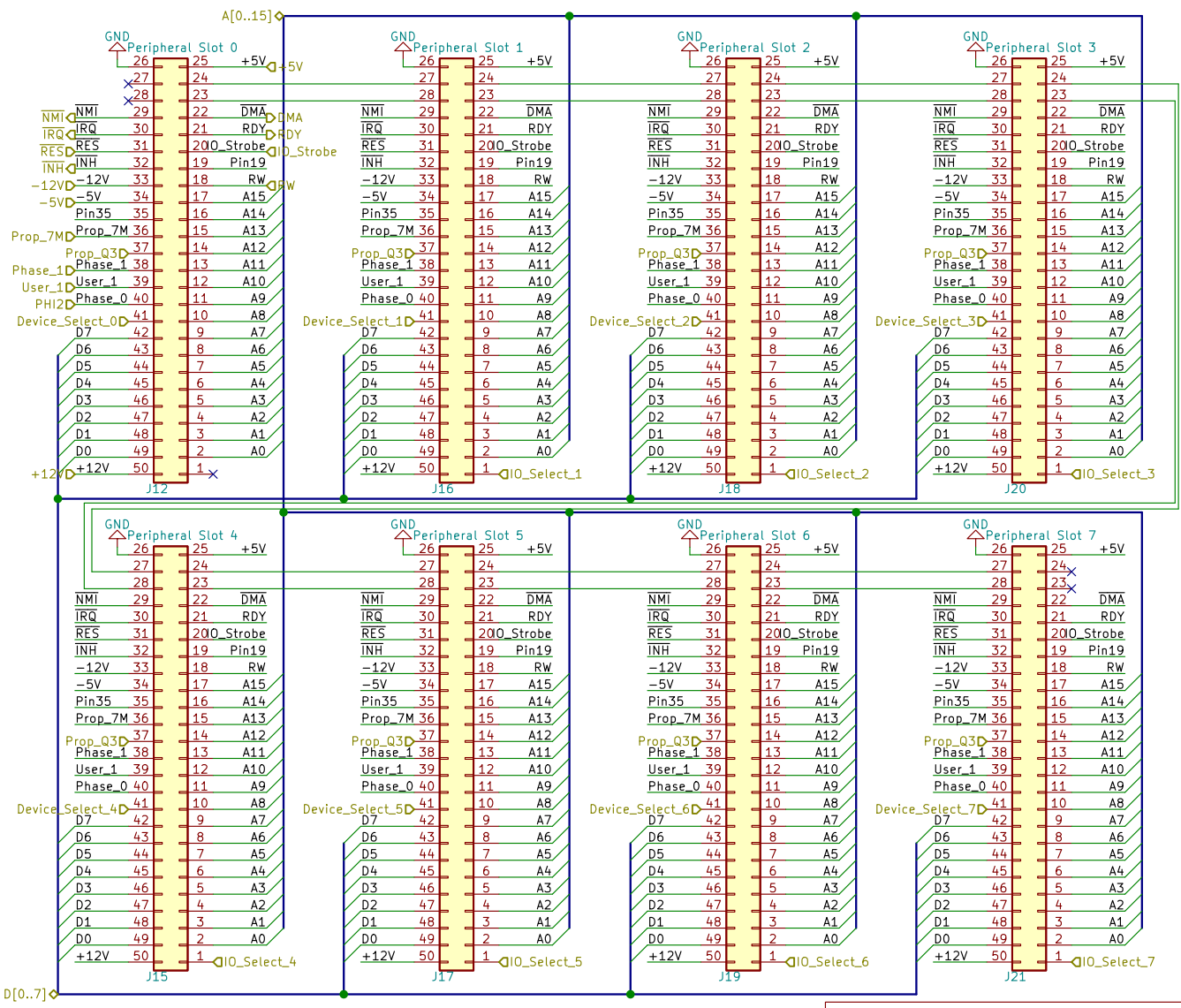
Note: I chose to tie BOEn (Brown Out Enable) high instead of low on the propeller to disable the brown out functionality. I did this since I wanted the use of a reset button, and I didn't want to worry about interference from the SID chip causing wonky reset behavior with the propeller. Since BOEn is tied high, I needed to add a 10k pullup resistor to the reset line. See propeller datasheet for more details.



Function Table

Output Control	Select	A	B	LSB	Output Y
L	X	X	X	Z	L
L	L	L	X	X	L
L	L	L	L	X	L
L	L	L	L	L	L
H	X	X	X	Z	H
H	L	L	X	X	H
H	L	L	L	X	H
H	L	L	L	L	H

H=High Impedance L=Low Impedance X=High Impedance or Low Impedance Z=High Impedance only



Sheet: /Peripheral_IO/		Date:	
File: peripheral_io.sch		Rev:	
Size: A4	KiCad E.D.A. kicad (5.1.5)-3		Id: 8/8