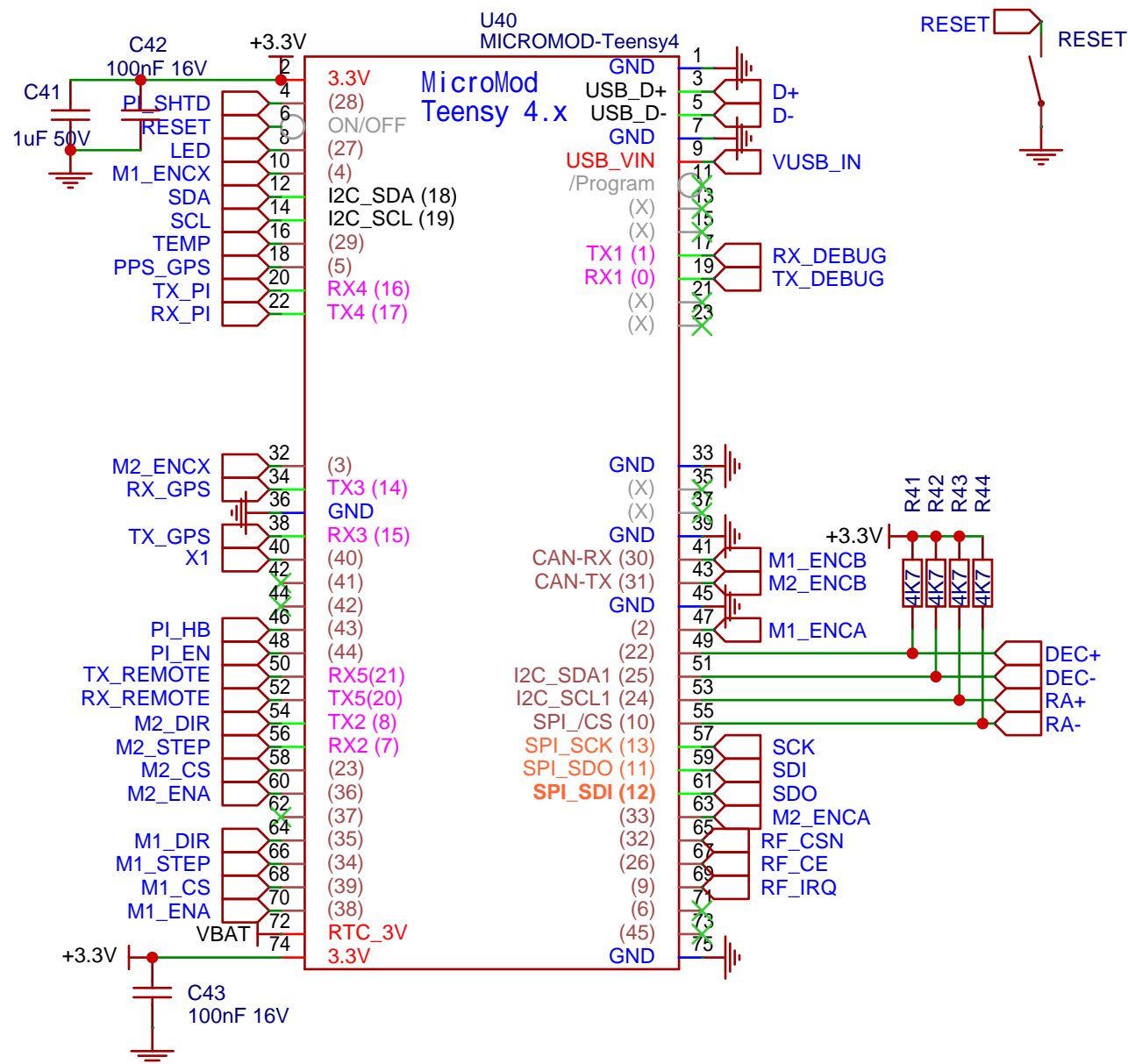
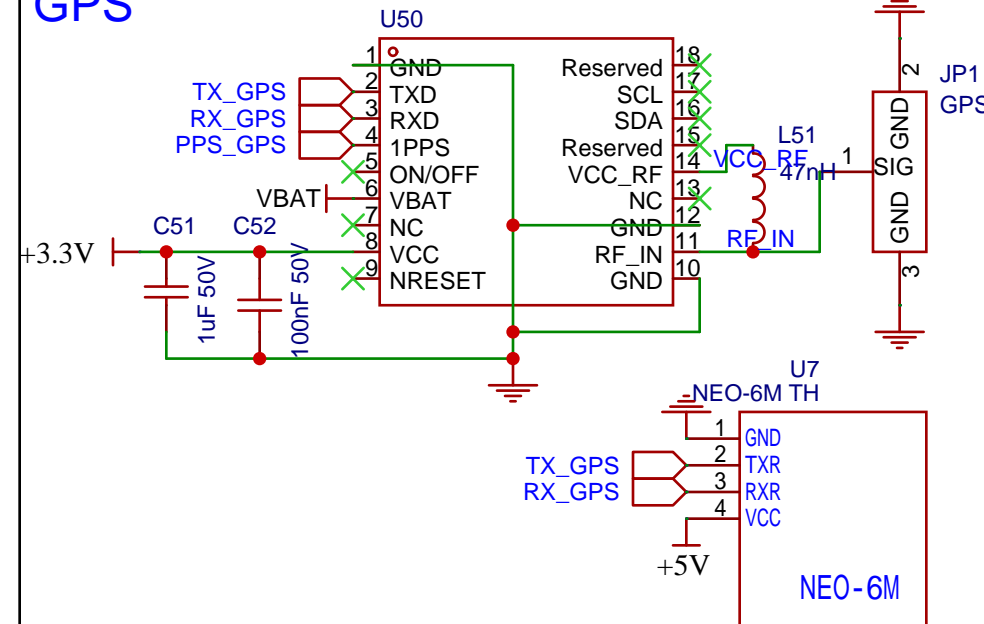


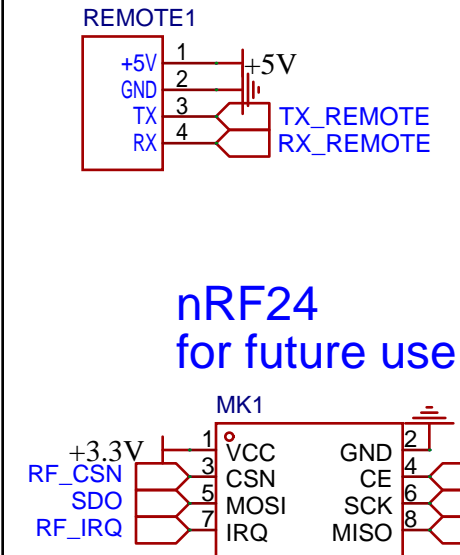
Teensy



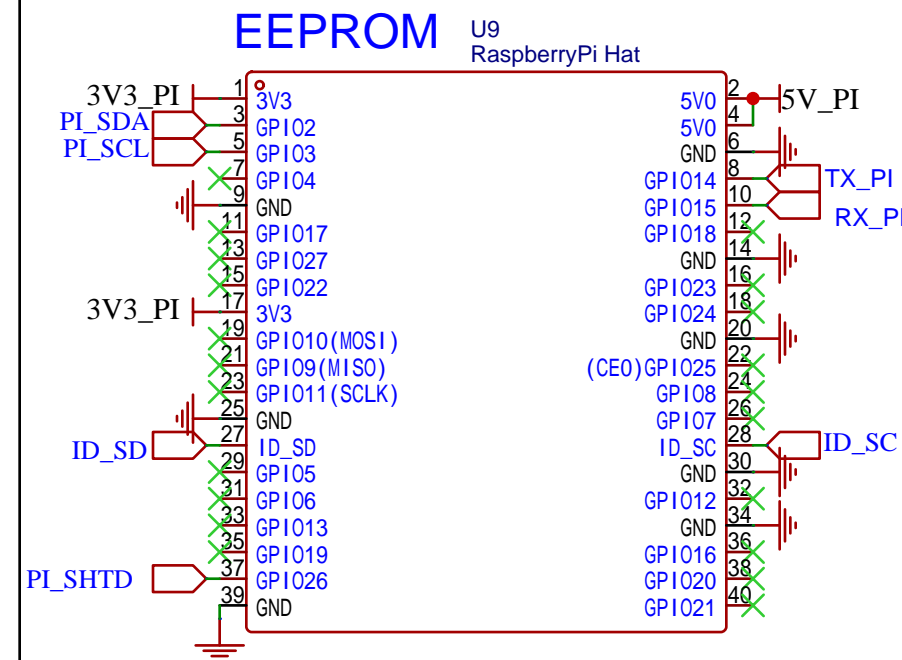
GPS



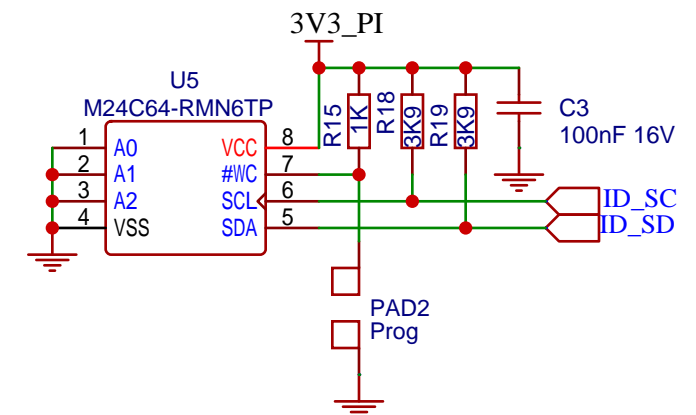
SHC remote



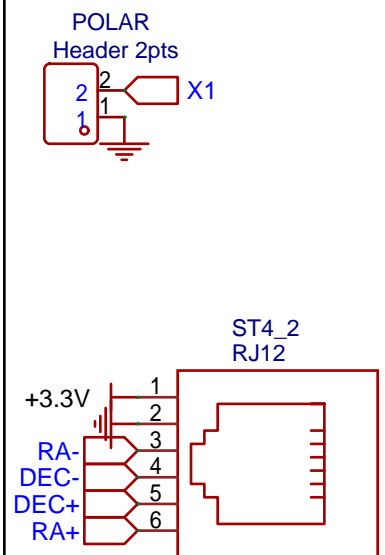
Raspberry Pi



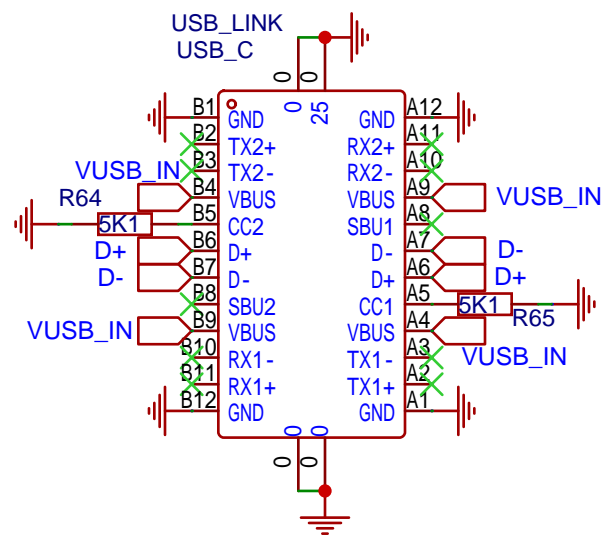
EEPROM



Mini version only

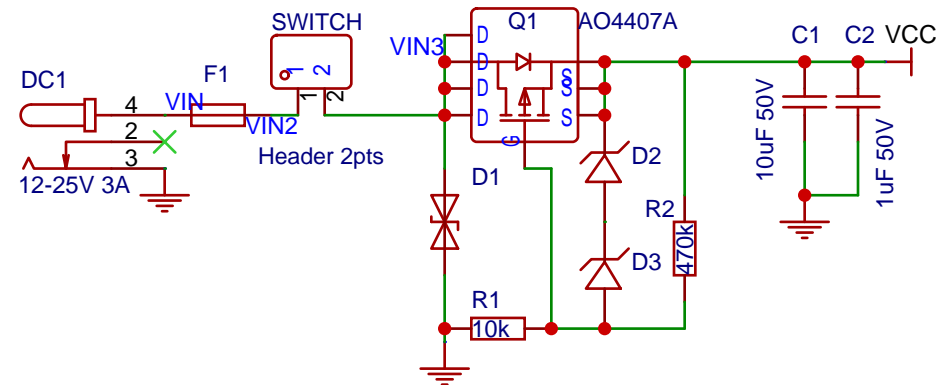


USB

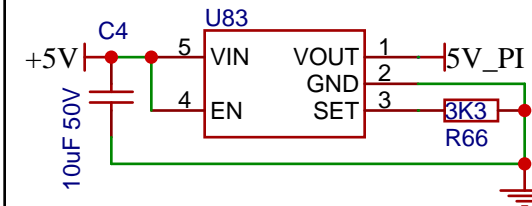


Schematic	Mini			Update Date	2022-07-14
				Create Date	2022-07-11
Page	Teensy			Part Number	
Drawn	lordzurp	TeenAstro v3			
Reviewed	lordzurp				
		VER	SIZE	PAGE	1 OF 3
		V0.9	A4	zUrp Industries	

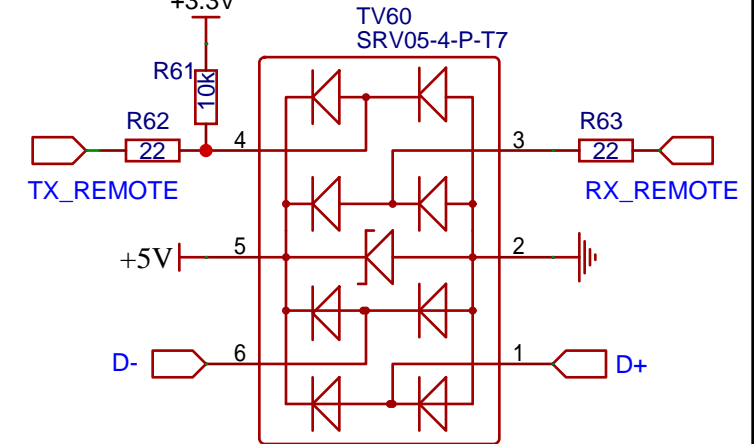
Power reverse protection



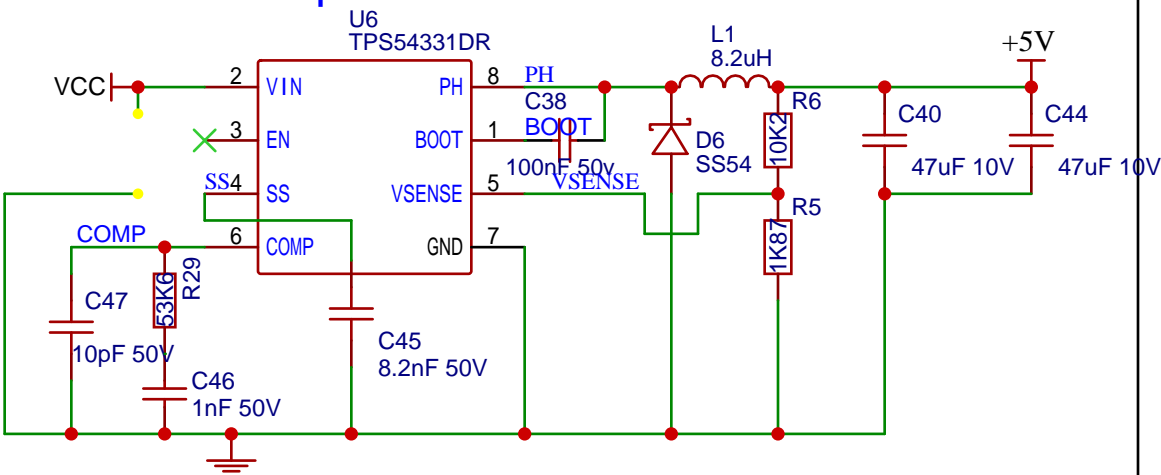
rPi protection



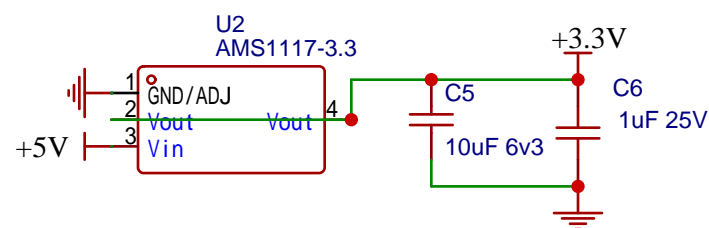
ESD protection



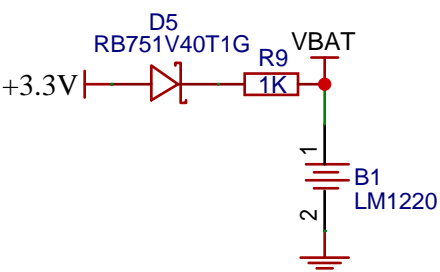
25V -> 5V Step Down



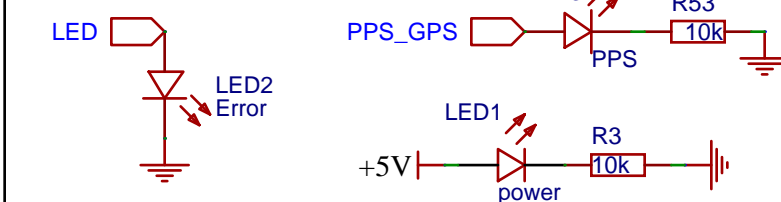
3V3 LDO



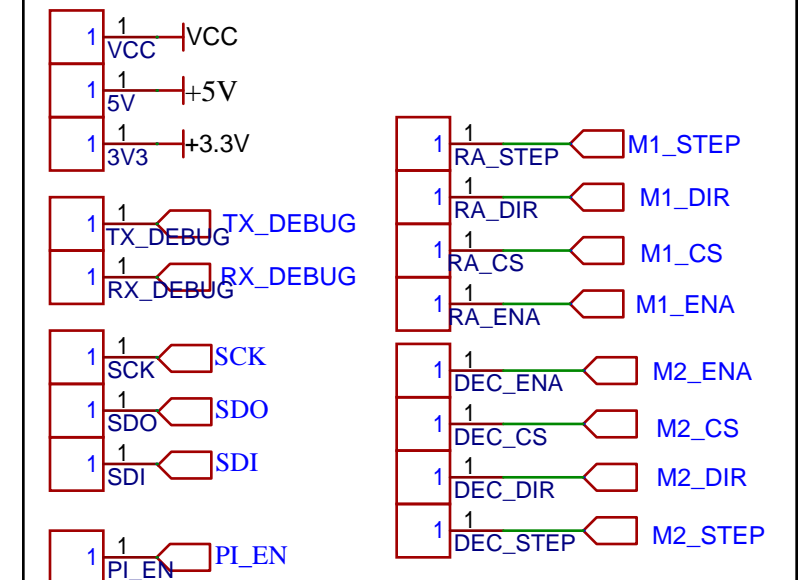
Battery



LEDs

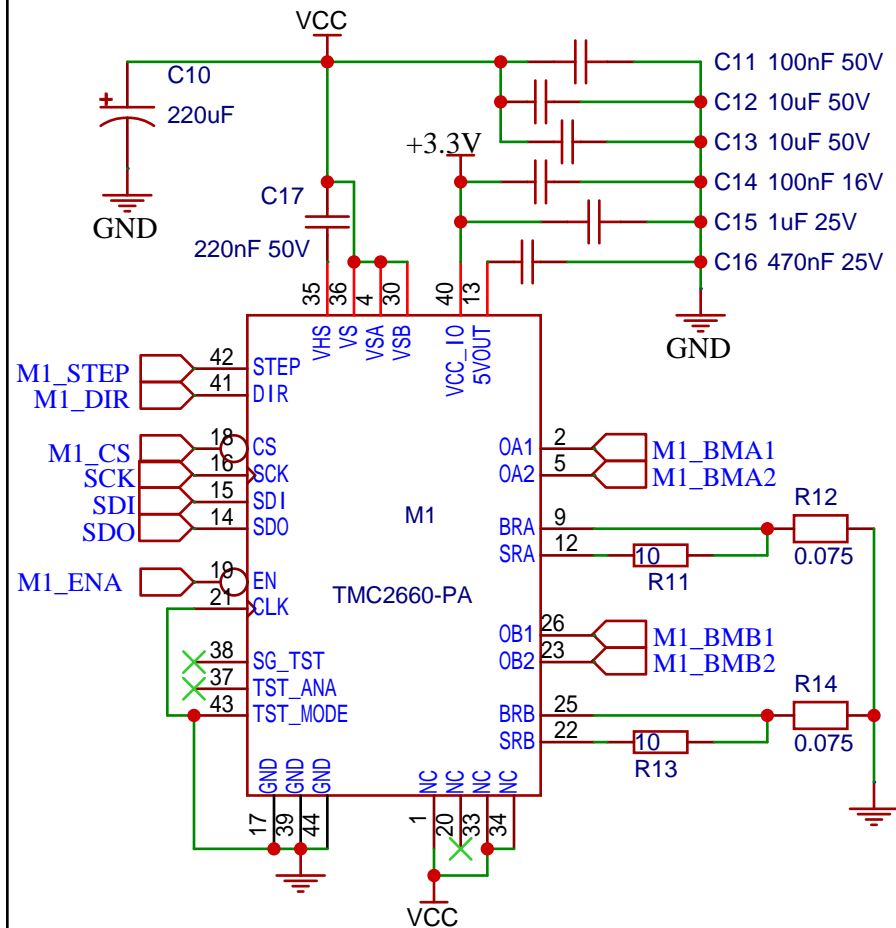


Test Points

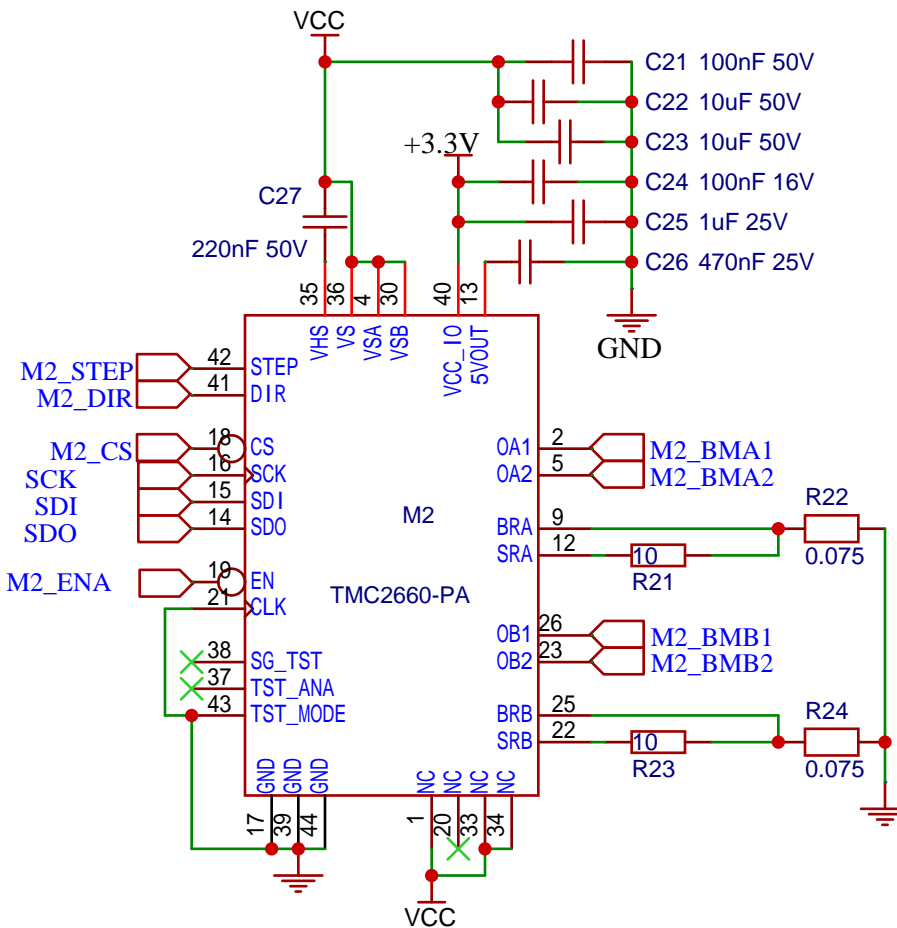


Schematic	Mini			Update Date	2022-07-14	
				Create Date	2022-06-27	
Page	Power			Part Number		
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Reviewed	lordzurp					
		VER	SIZE	PAGE	2	OF 3
		V0.9	A4	zUrp Industries		

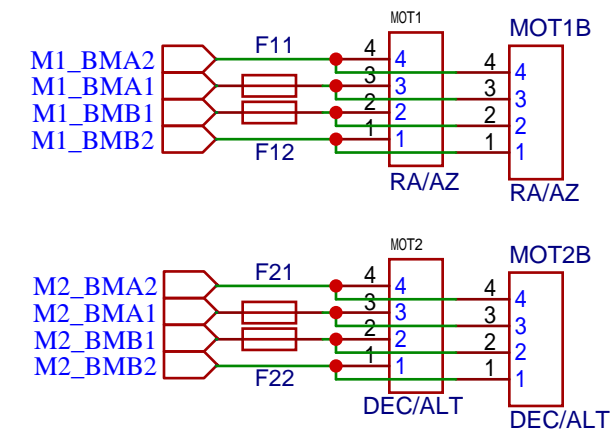
Motor 1 (RA/ AZ)



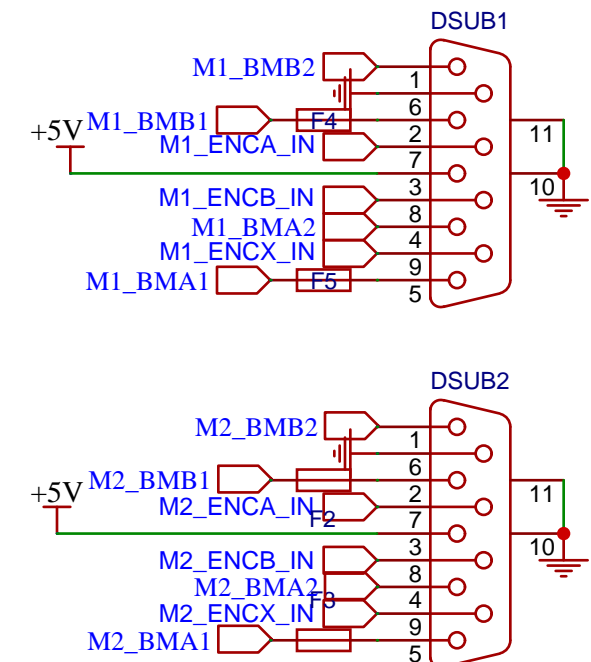
Motor 2 (DEC / ALT)



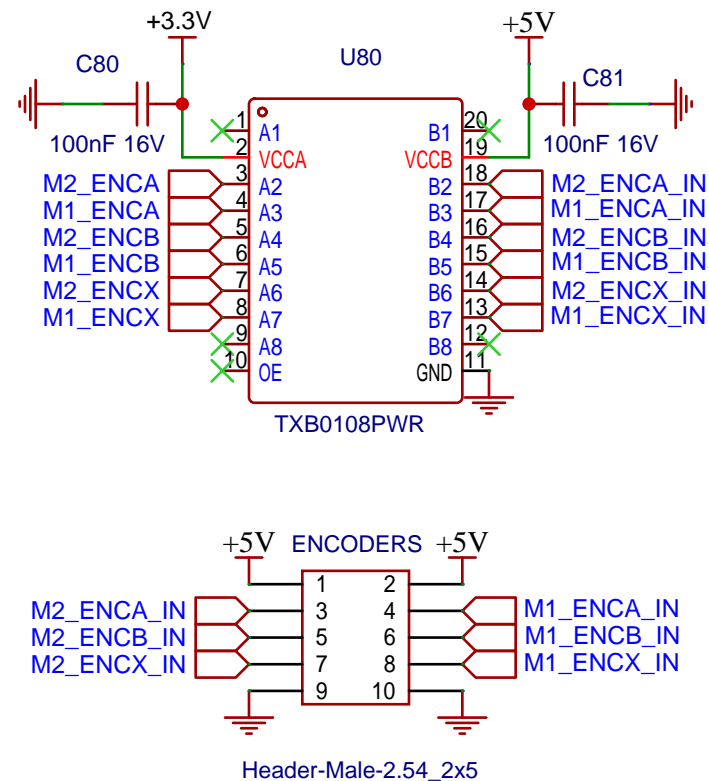
Motors



Motors (alternative DB-9)



Encoders (level conversion)



Schematic	Mini			Update Date	2022-07-14
				Create Date	2022-06-27
Page	Motors			Part Number	
Drawn	lordzulp	TeenAstro v3			
Reviewed	lordzulp				
		VER	SIZE	PAGE	3 OF 3
EasyEDA		V0.9	A4	zUrp Industries	