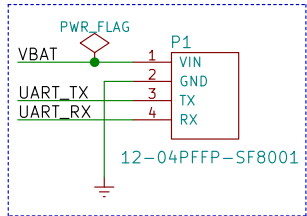
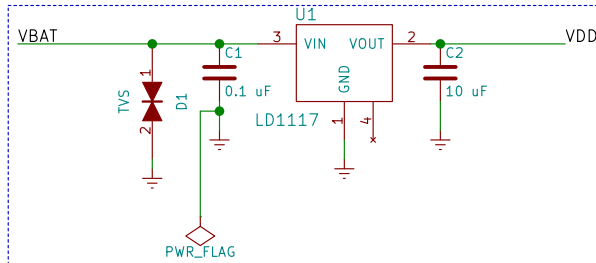


Input power+serial connector (M12)

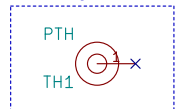


Power Supply

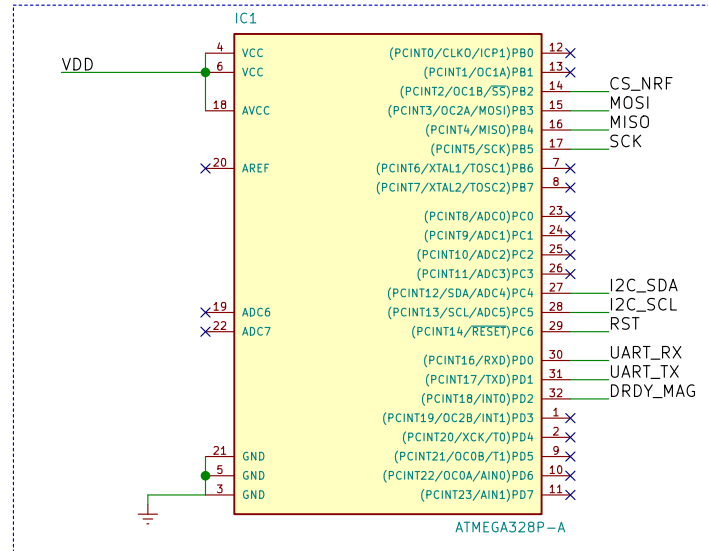


Layout note: Place decoupling capacitors close to regulator!
Place TVS Diode as close to connector as possible!

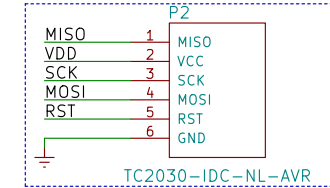
Mounting Hole



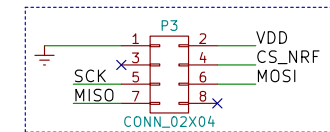
Microcontroller



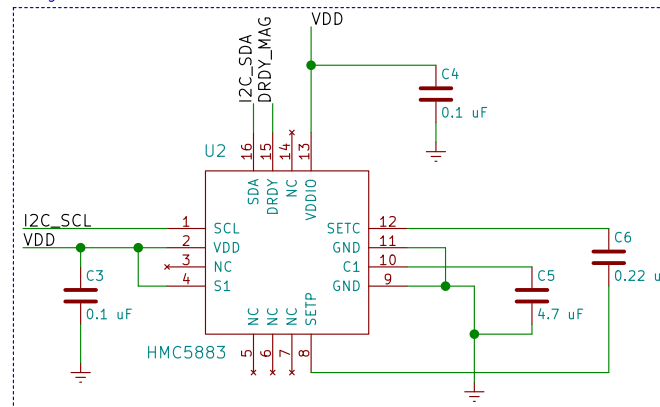
Programming/Debug header



Wireless module connector

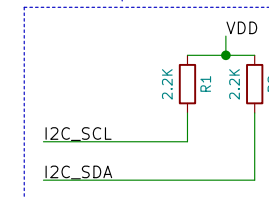


Magnetometer



Layout note: Do NOT route any traces under magnetometer!
Place decoupling capacitors as close to corresponding pins as possible!

I2C Pull-ups



PCB Description: MicroAHRS Magnetometer Functionality Module

Sheet: / File: MicroAHRS.sch		Controls and Robotics Research Laboratory	
PCB: EE-00001-001		Assembly: EE-00001-002	
Design Engineer: Abhimanyu Ghosh			
Design Review Engineer: Abhimanyu Ghosh			
Size: A4		Release Date:	
KiCad E.D.A. kicad 4.0.2-stable		Rev: 0.1	
		Id: 1/1	