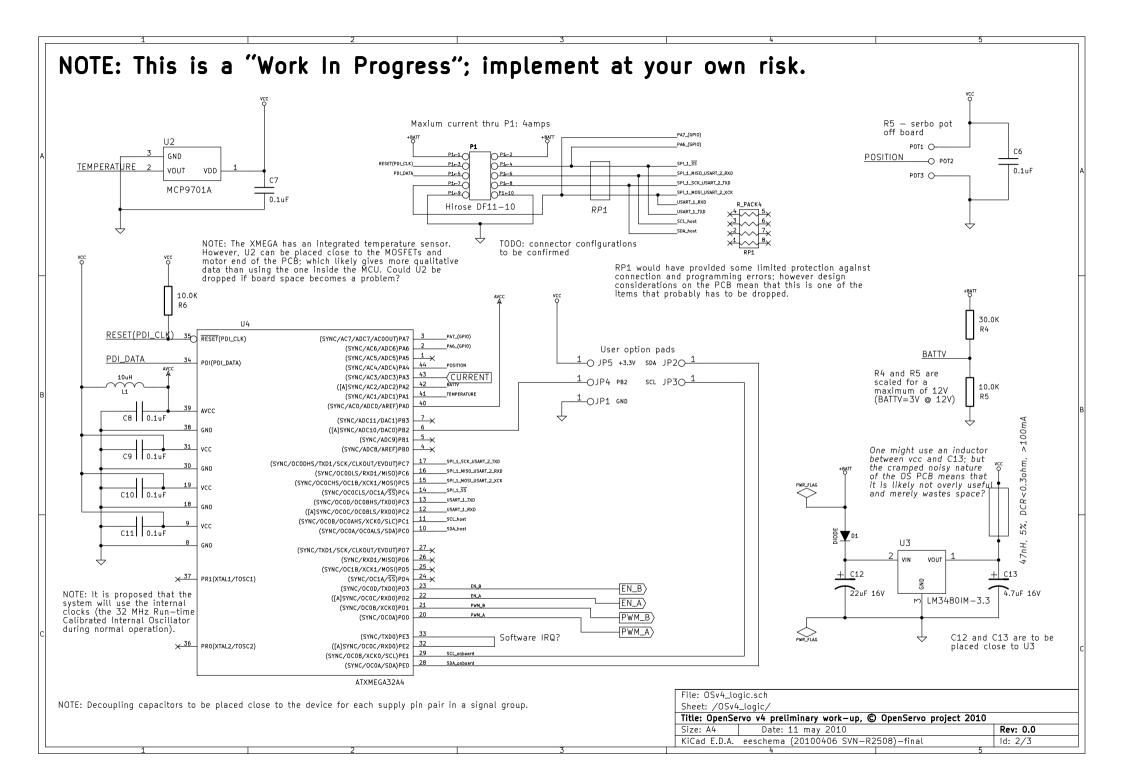


File: OSv4.sch Sheet: /		
Title: OpenServo v4 preliminary work-up, © OpenServo project 2010		
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NOTE: This is a "Work In Progress"; implement at your own risk. TODO: R1 and R3 need U1 adjustment for V4. C1 C2 С3 0.05 (CURRENT 10uF 10uF 1uF ZXCT1009 TODO: Change R2 for 0.5W 1% SM1206? U5 & U6 (TC4428A): Originally the intention was to use the MSOP—8 package which would allow more room on the PCB for other things. However, this packaging only appears to be available when purchased in large quantities; which is not workable for a project where there is an expectation to be able to produce low-count runs. NOTE: According to the docs, pin 5 on U5 has "no internal connection"; it has been used for routing purposes on the PCB. U7B U8B MOSFET MOSFET U6 TODO: TEST! NC PWM_B PWM_A -O M1 M2 O-GND VDD EN_B> IN_B OUT_B OUT_B EN_A TC4428A TC4428A MOSFET MOSFET U8A Potential MOSFETs for U7 & U8: SP8M4 FDS8858CZ FDS9934C?? File: OSv4_H-bridge.sch Sheet: /OSv4_H-bridge/ Title: OpenServo v4 preliminary work-up, © OpenServo project 2010 Date: 11 may 2010 Size: A4 Rev: 0.0 KiCad E.D.A. eeschema (20100406 SVN-R2508)-final Id: 3/3