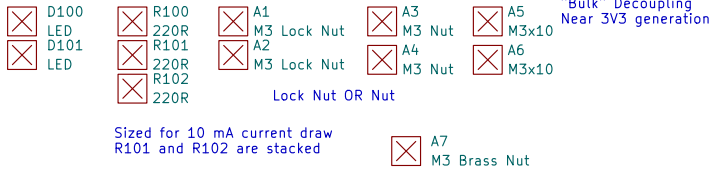
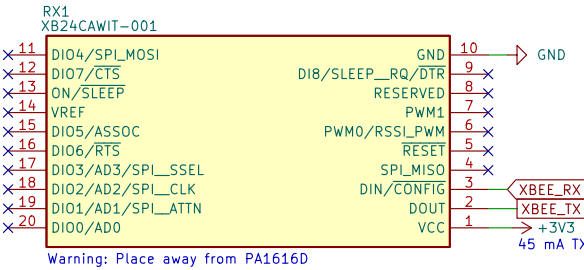


Power

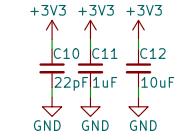
MAX 5.5V
Servos - 4.8V - 6V
Teesy 3.6V - 5.5V



TX/RX



Place close to Pin 1
10uF only for programmable module



Deviation from Datasheet
for BOM consolidation
8.2pF -> 22pF

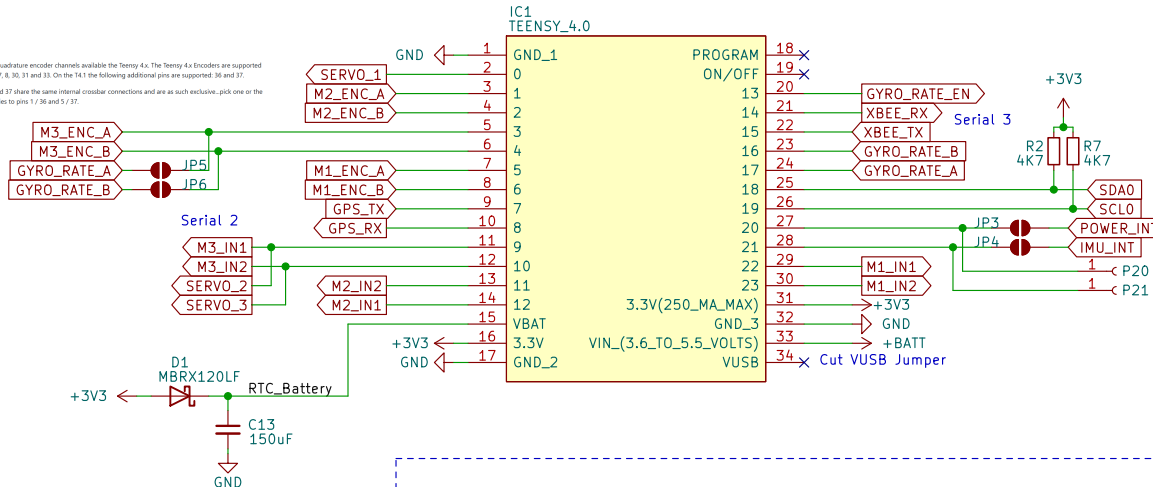
10u EXCLUDED FROM BOM
PENDING CLARIFICATION

Sensors

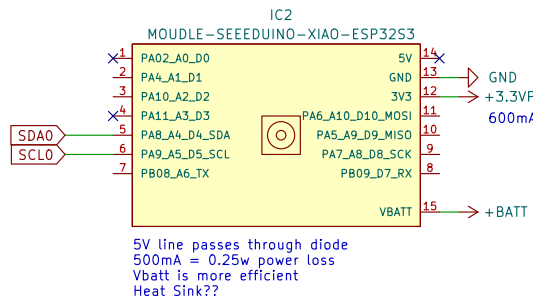
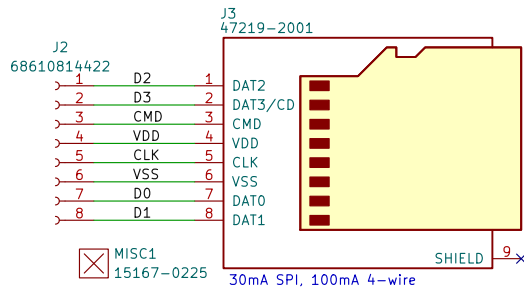
File: sensors.kicad_sch

uC

There are 4 hardware quadrature encoder channels available the Teensy 4.0. The Teensy 4.0 Encoders are supported on pins 0, 1, 2, 3, 4, 5, 7, 8, 30, 31 and 33. On the 14.1 the following additional pins are supported: 36 and 37.
WARNING! Pins 0, 5 and 37 share the same internal crossbar connections and are as such exclusive, pick one or the other. Same thing applies to pins 1 / 36 and 5 / 37.



CAM1



Actuators

File: actuators.kicad_sch

Buzzer

MUST BE ELECTRICALLY ISOLATED

File: buzzer.kicad_sch

Sheet: /
File: Main Board.kicad_sch

Title:

Size: A4

KiCad E.D.A. kicad (6.0.5)

Date:

Rev:

Id: 1/4