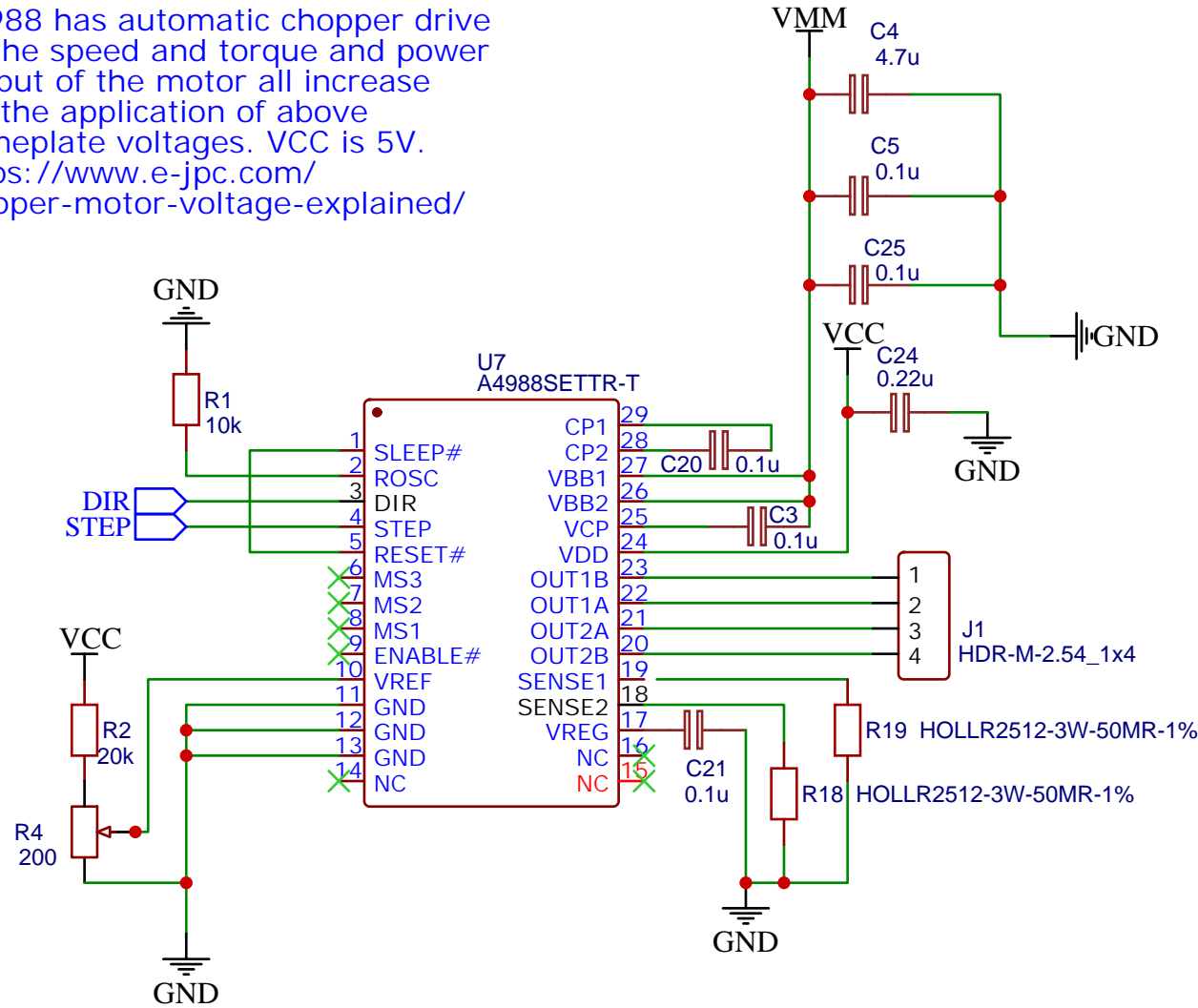


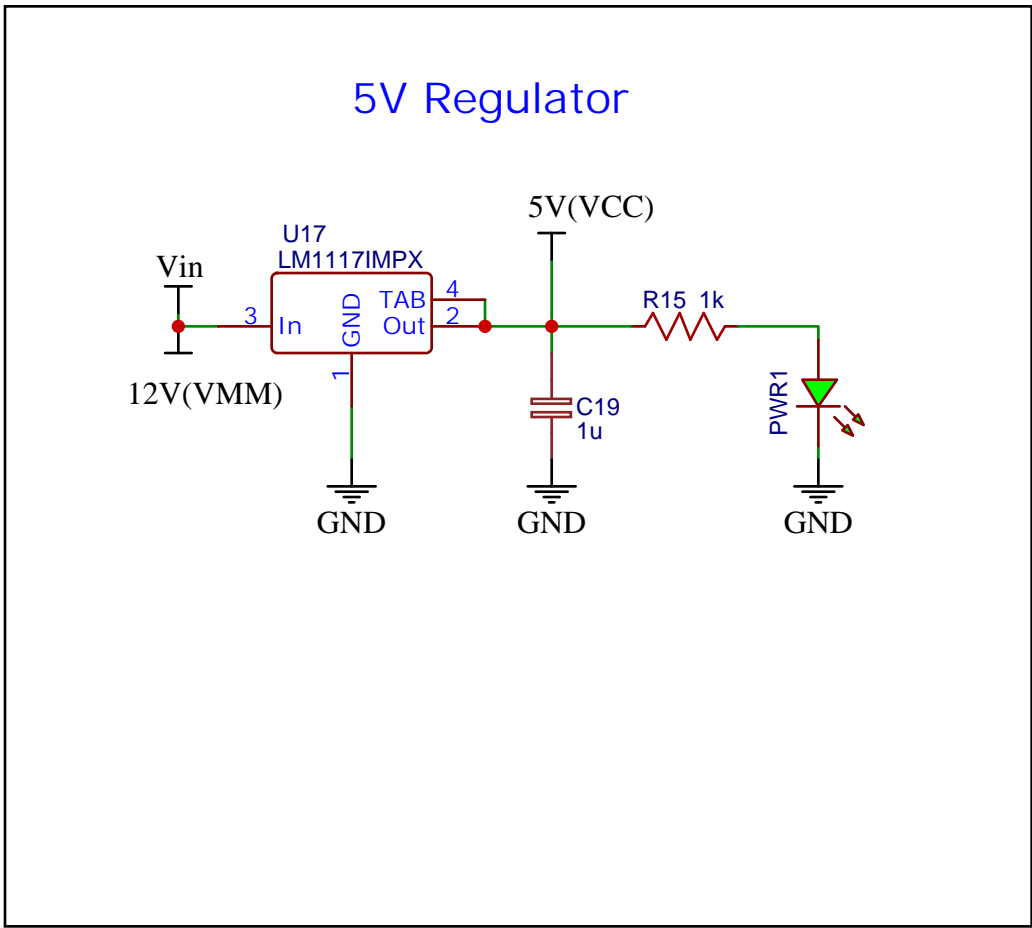
Motor Driver

A4988 has automatic chopper drive so the speed and torque and power output of the motor all increase via the application of above nameplate voltages. VCC is 5V.
<https://www.e-jpc.com/stepper-motor-voltage-explained/>

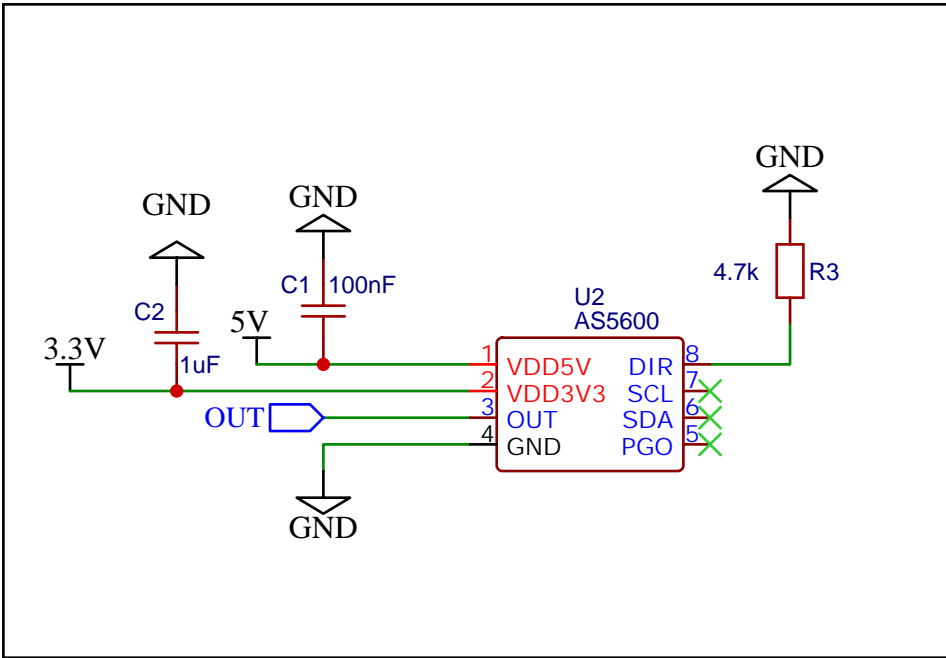


Total current = ?

Power management

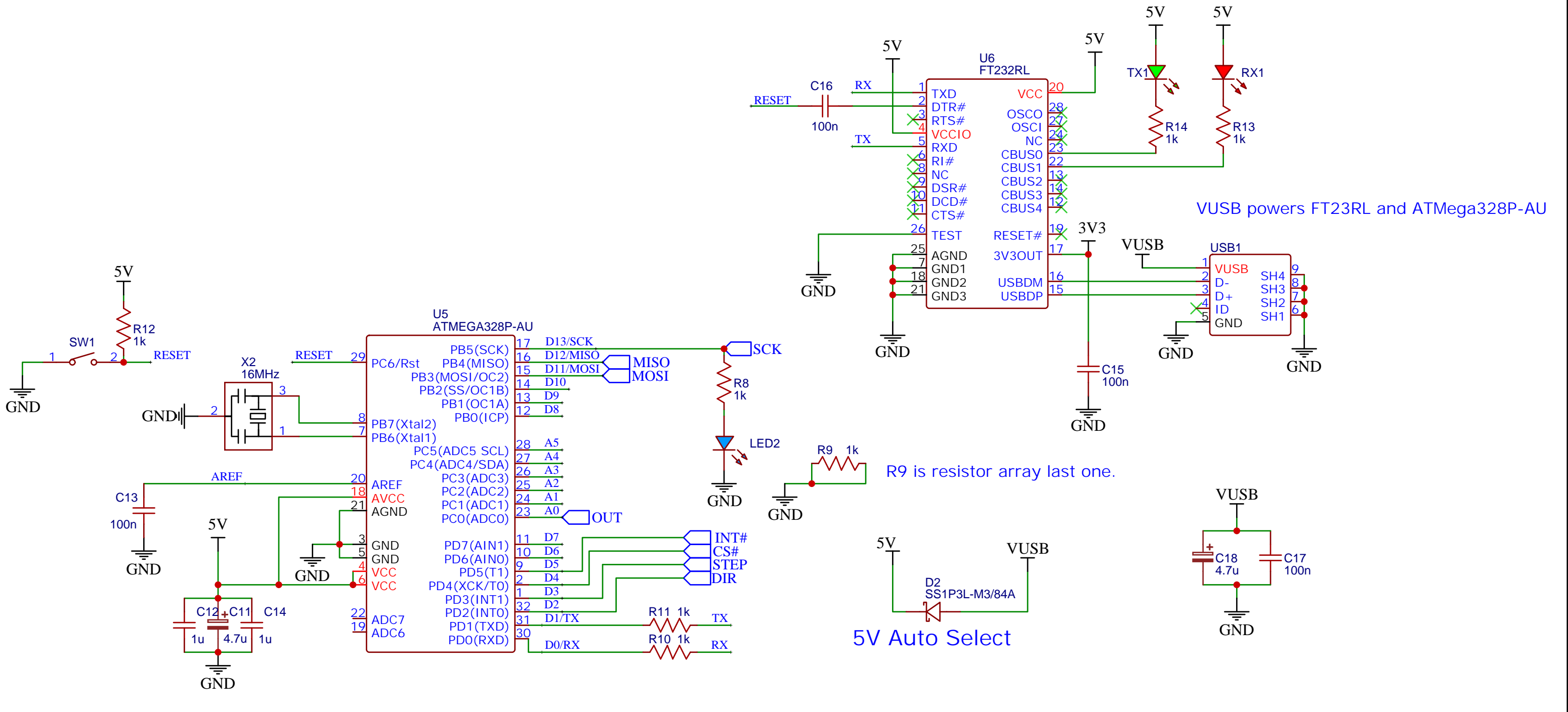


Magnetic Encoder



Main Controller

USB



CAN-bus Controller, Receiver

VCC is 5V at 5mA

