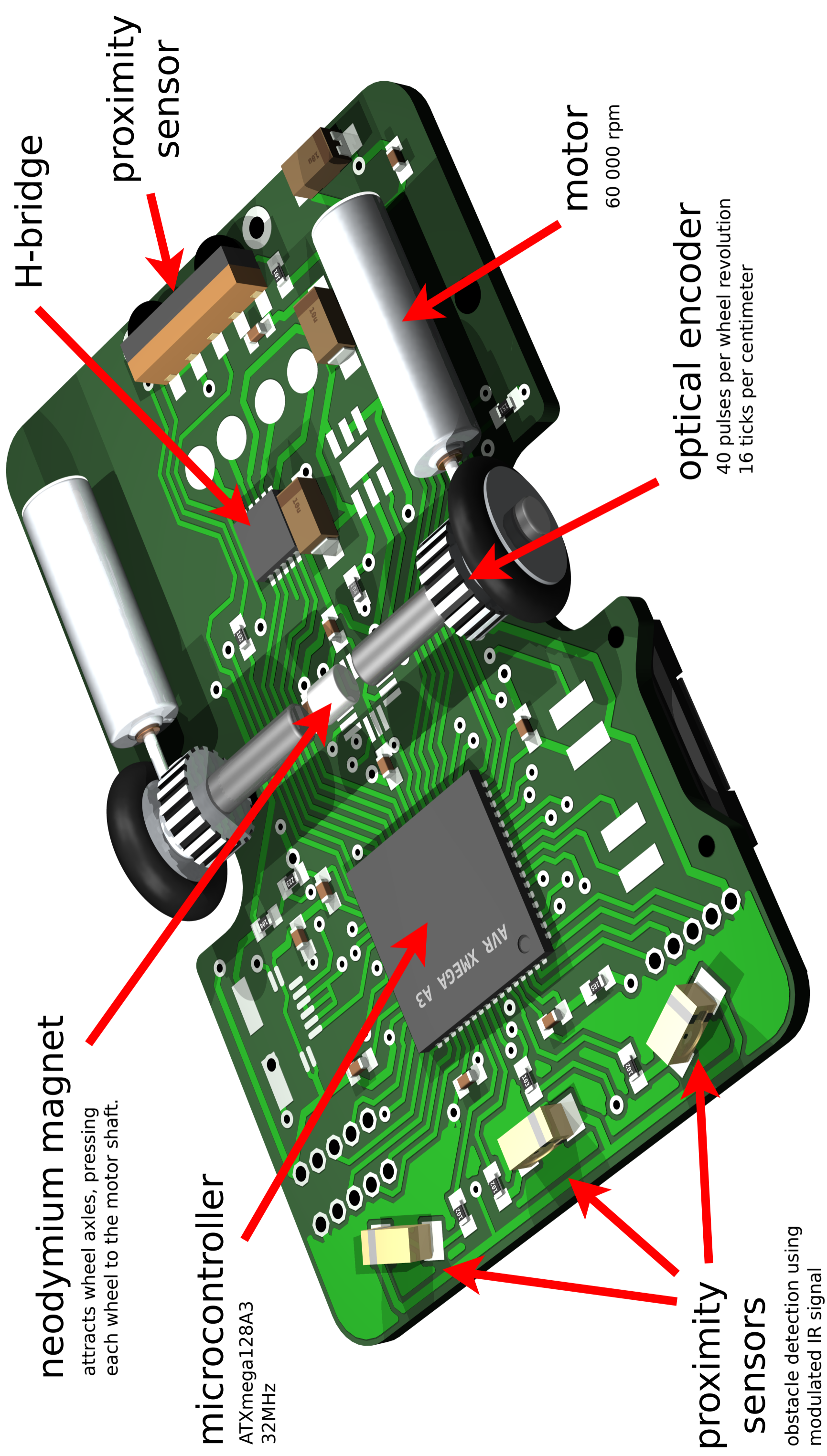


# PocketBot2 3D visualization - bottom view



H-bridge

proximity sensor

motor  
60 000 rpm

optical encoder  
40 pulses per wheel revolution  
16 ticks per centimeter

neodymium magnet  
attracts wheel axles, pressing each wheel to the motor shaft.

microcontroller  
ATXmega128A3  
32MHz

proximity sensors  
obstacle detection using modulated IR signal