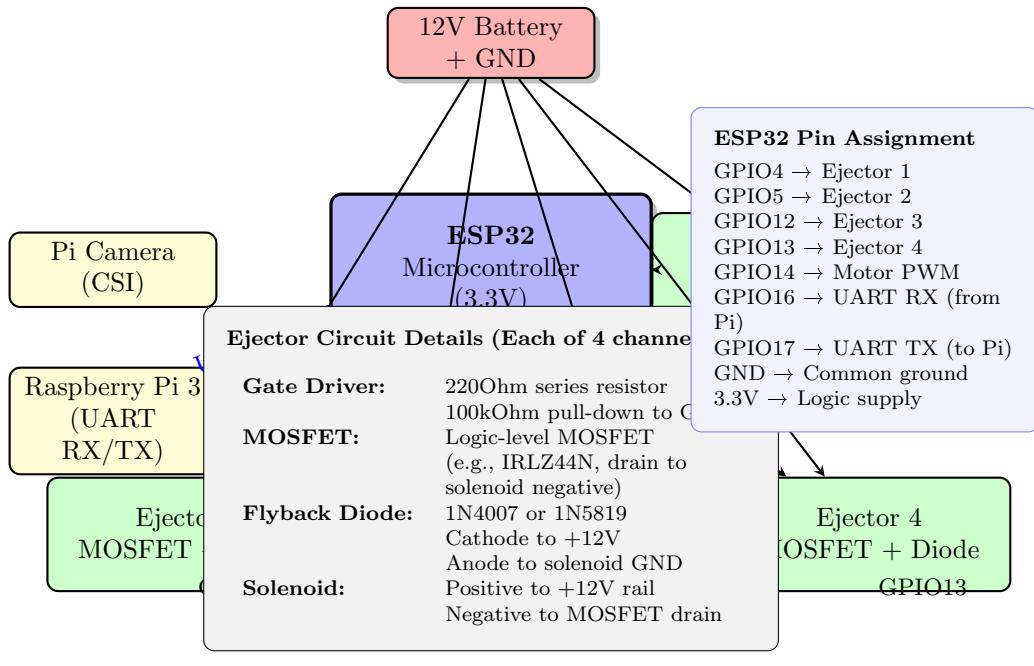


ESP32 Co-Processor Electrical Schematic



Safety Features:

- Gate pull-down prevents false solenoid firing on startup
- Flyback diodes protect MOSFET from inductive kickback
- All GND returns routed to common point (star ground)
- Fuse on 12V supply recommended (10A main, individual 2A per solenoid chain if high current)