Haunted Hearse — Frankenphone Lab Module (5V)

+5V Copper Bus (from fused 5V block)

5V Fused Terminal Block (Feed)

Adafruit STEMMA MOSFET + Diode SIG=D9 VIN=+5V GND=GND LOAD- → Magnet - Electromagnet (+ to +5V) (- to LOAD-)

IR Break-beam Receiver (3-wire) Red=+5V Blk=GND Wht=D3

> Arduino Mega 2560 D3=Beam D8=Buzzer D9=MOSFET SIG D10/D11/D12=LEDs

> > Passive Buzzer $+ \rightarrow D8 - \rightarrow GND$

Status LEDs (220Ω): Green D10 \rightarrow LED \rightarrow GND Red D11 \rightarrow LED \rightarrow GND Yellow D12 \rightarrow LED \rightarrow GND

GND Copper Bus (common ground)