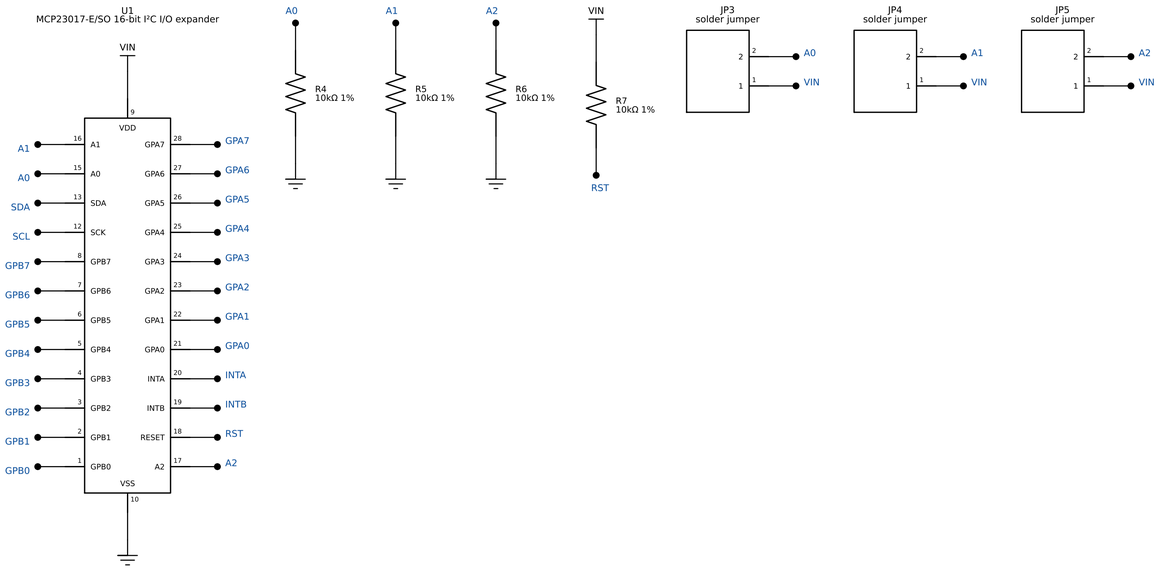
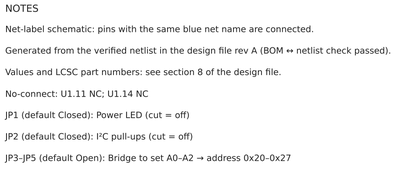
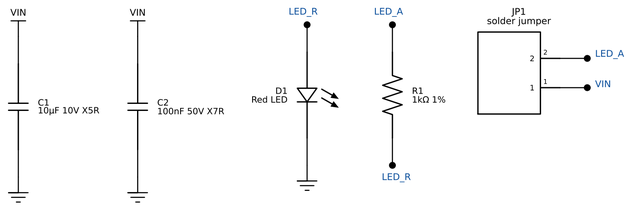
MAIN CIRCUIT AND SUPPORT



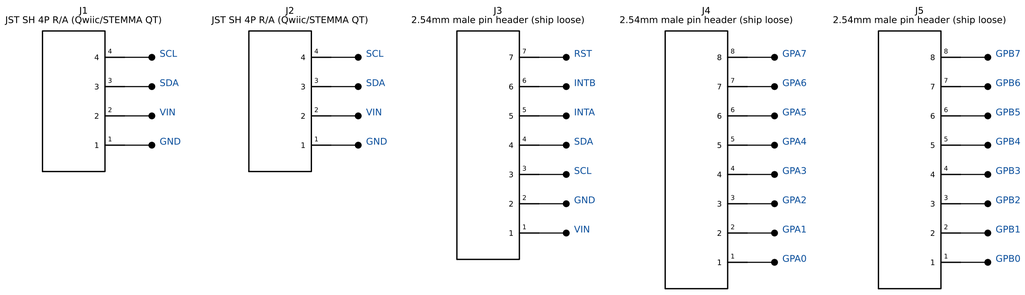
LEVEL SHIFTING AND PULL-UPS



POWER AND INDICATORS



CONNECTORS



NOTES

Net-label schematic: pins with the same blue net name are connected.

Generated from the verified netlist in the design file rev A (BOM ↔ netlist check passed).

Values and LCSC part numbers: see section 8 of the design file.

No-connect: U1.11 NC; U1.14 NC

JP1 (default Closed): Power LED (cut = off)

JP2 (default Closed): I²C pull-ups (cut = off)

JP3–JP5 (default Open): Bridge to set A0–A2 → address 0x20–0x27

ELECTROTRICAL

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ET-A04 MCP23017 16-Bit I/O Expander (I²C, Qwiic)

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Drawn from netlist · JLCPCB parts · Do not scale