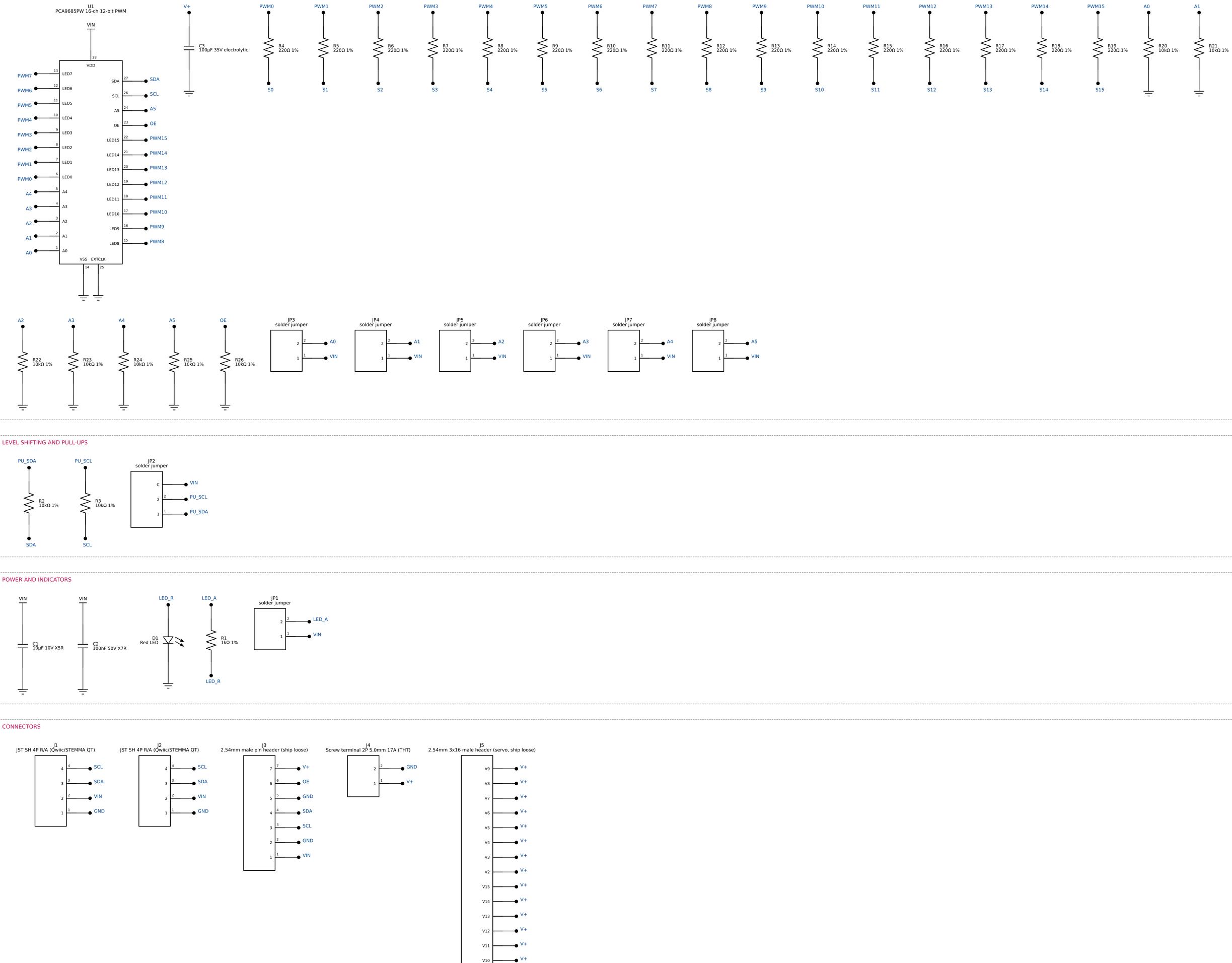
MAIN CIRCUIT AND SUPPORT



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.

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

JP2 (default Closed): I²C pull-ups

JP3–JP8 (default Open): Bridge to set A0–A5 → address 0x40–0x7F

ELECTROTRICAL

ElectroTrical LLC · Dubai

ET-MD05 PCA9685 16-Channel 12-bit PWM / Servo Driver (I²C, Qwiic)

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Drawn from netlist · JLCPCB parts · Do not scale