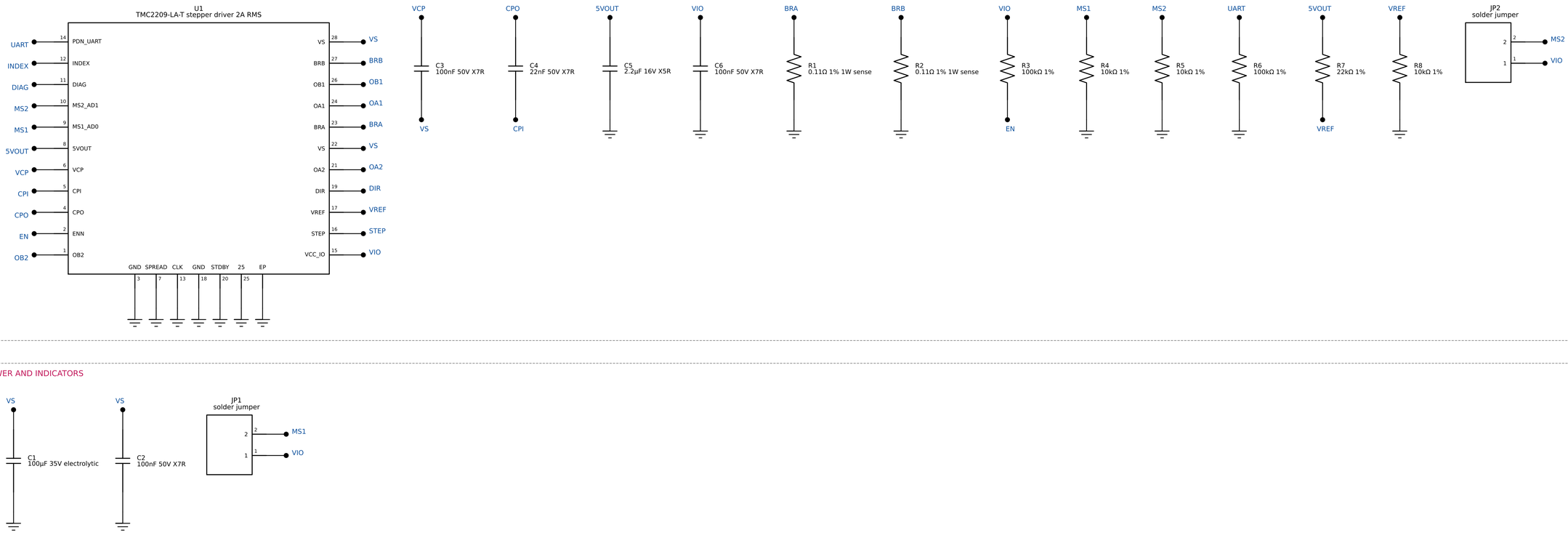
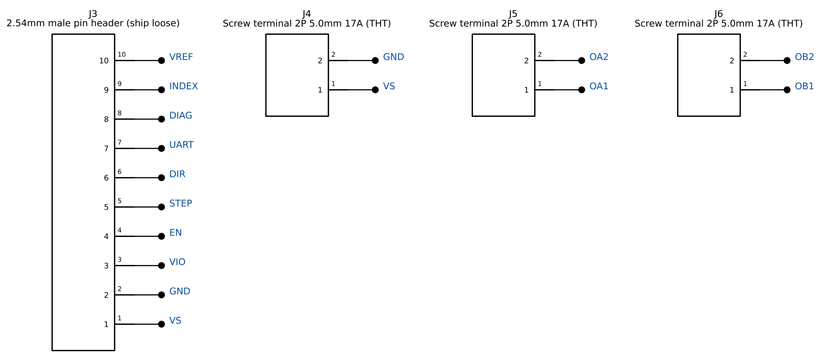
MAIN CIRCUIT AND SUPPORT



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 Open): MS1 → VIO (microsteps / UART address bit 0)

JP2 (default Open): MS2 → VIO (microsteps / UART address bit 1)

ELECTROTRICAL

ElectroTrical LLC · Dubai

ET-MD04 TMC2209 Silent Stepper Driver (4.75–28V, 2A RMS, STEP/DIR + UART)

Rev A · 10 Nov 2026 · Sheet 1/1

Drawn from netlist · JLCPCB parts · Do not scale