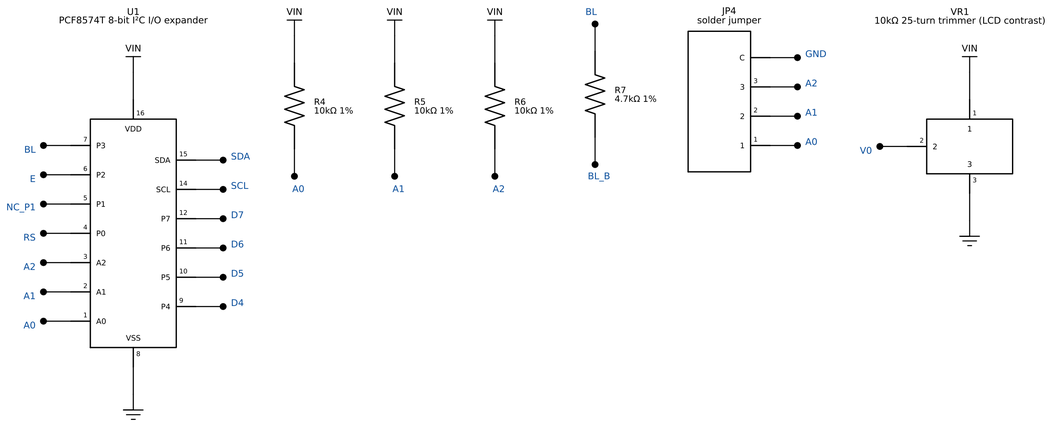
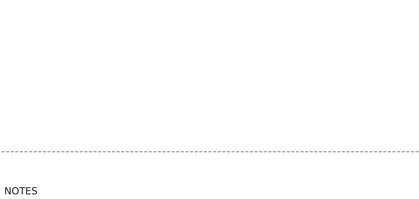
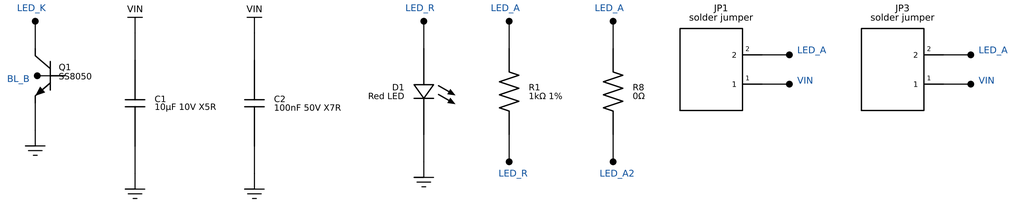
MAIN CIRCUIT AND SUPPORT



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: U1.13 INT; J4.7 D0; J4.8 D1; J4.9 D2; J4.10 D3

JP1 (default Closed): Power LED

JP2 (default Closed): I²C pull-ups

JP3 (default Closed): Backlight power (cut = always off)

JP4 (default Open): Bridge A0/A1/A2 to GND → address 0x20–0x26

ELECTROTRICAL

ElectroTrical LLC · Dubai

ET-D10 I²C Character LCD Backpack (PCF8574, 16×2 / 20×4 HD44780, Qwiic)

Rev A · 10 Nov 2026 · Sheet 1/1

Drawn from netlist · JLCPCB parts · Do not scale