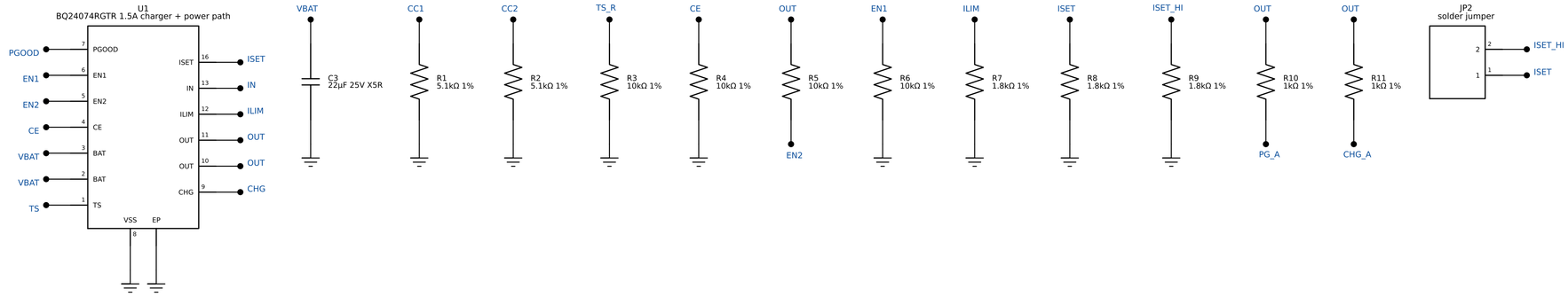
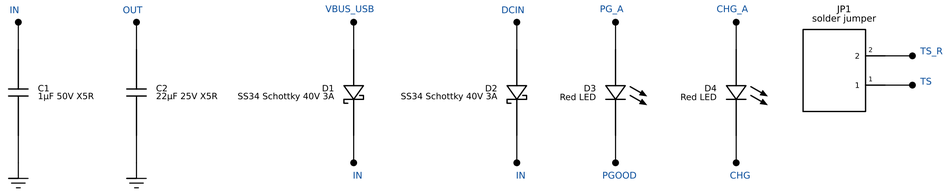
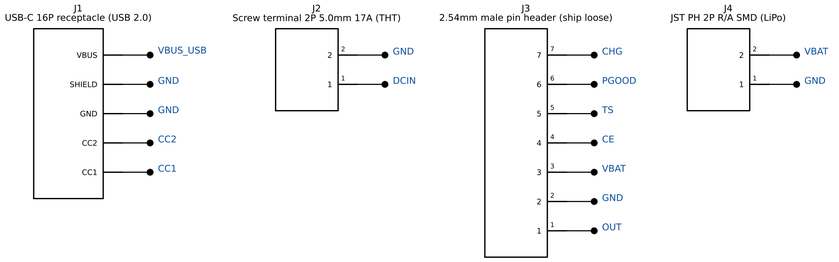
MAIN CIRCUIT AND SUPPORT



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.

No-connect: J1.DP; J1.DM; U1.14 TMR (float = default timers); U1.15 ITERM (float = 10%)

JP1 (default Closed): Cut and connect a 10k NTC (B=3435) from TS to GND for battery temperature protection

JP2 (default Open): Close for ~1A charge (cells ≥ 1000mAh); input limit stays 0.89A

ELECTROTRICAL	ElectroTrical LLC · Dubai
ET-P02 BQ24074 Solar / USB-C LiPo Charger with Power Path (1A)	
Rev A · 10 Nov 2026 · Sheet 1/1	
Drawn from netlist · JLCPCB parts · Do not scale	