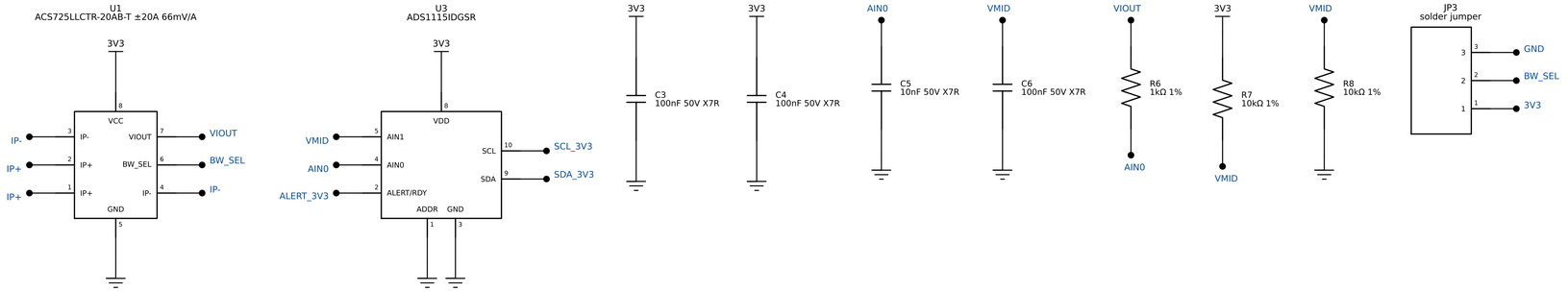
MAIN CIRCUIT AND SUPPORT



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 B (BOM ↔ netlist check passed).

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

No-connect: U3.6 AIN2; U3.7 AIN3

JP1 (default Closed): Cut to turn off the LED

JP2 (default Closed): Cut to remove the host-side I2C pull-ups

JP3 (default 1–2 (3V3)): BW_SEL: 3V3 = 20kHz (low noise), GND = 120kHz (verify polarity)

ELECTROTRICAL

ElectroTrical LLC · Dubai

ET-S37 ACS725 ±20A Hall Current Sensor with 16-bit I2C ADC

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Drawn from netlist · JLCPCB parts · Do not scale