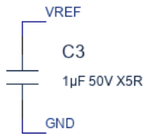
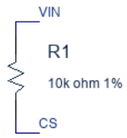
Main Circuit And Support

U1
MCP3008-I/SL 10-bit 8-ch SPI ADC, 200ksps

CH0	1 CH0	9 DGND	GND
CH1	2 CH1	10 CS/S..	CS
CH2	3 CH2	11 DIN	DIN
CH3	4 CH3	12 DOUT	DOUT
CH4	5 CH4	13 CLK	CLK
CH5	6 CH5	14 AGND	GND
CH6	7 CH6	15 VREF	VREF
CH7	8 CH7	16 VDD	VIN

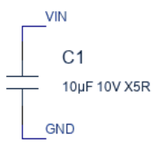


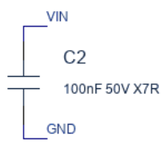


Power And Indicators

JP1
Solder jumper

1	VIN
2	VREF





Connectors

J3 DNP
2.54mm male pin header (ship loose)

1	VIN
2	GND
3	CS
4	CLK
5	DIN
6	DOUT

J4 DNP
2.54mm male pin header (ship loose)

CH0	1	6	CH5
CH1	2	7	CH6
CH2	3	8	CH7
CH3	4	9	GND
CH4	5	10	VREF

DESIGN NOTES

Matching net labels identify connected signals.

Assembly and DNP details are stored with each component.

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DRAWN BY: ElectroTrical	CHECKED BY: -	DATE: 2026-11-12	REVISION: A
DOCUMENT NUMBER: ET-S76-SCH-001		FORMAT: A3 / LANDSCAPE	SHEET: 1 of 1