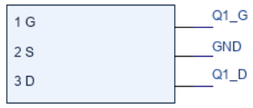
Main Circuit And Support

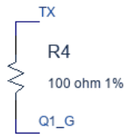
U1
IRM-H638T/TR2 38kHz IR remote receiver, 2.7-5.5V



Q1
AO3400A N-MOSFET 30V 5.7A



R4
100 ohm 1%

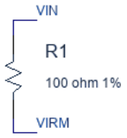


R5
100k ohm 1%

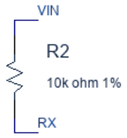


Main Circuit And Support

R1
100 ohm 1%

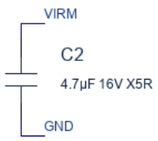


R2
10k ohm 1%

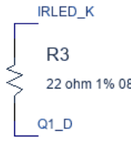


Power And Indicators

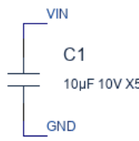
C2
4.7µF 16V X5R



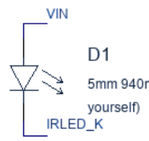
R3
22 ohm 1% 0805 125mW (CT burden)



C1
10µF 10V X5R

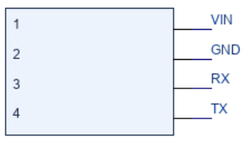


D1 DNP
5mm 940nm IR LED (ships loose, solder yourself)



Connectors

J3 DNP
2.54mm male pin header (ship loose)



DESIGN NOTES

Matching net labels identify connected signals.

Assembly and DNP details are stored with each component.

ELECTROTRICAL.COM

PROJECT / DOCUMENT			STATUS
Ir Remote Receiver Transmitter			DESIGN REVIEW
DRAWN BY	CHECKED BY	DATE	REVISION
ElectroTrical	-	2026-11-12	A
DOCUMENT NUMBER		FORMAT	SHEET
ET-S72-SCH-001		A3 / LANDSCAPE	1 of 1