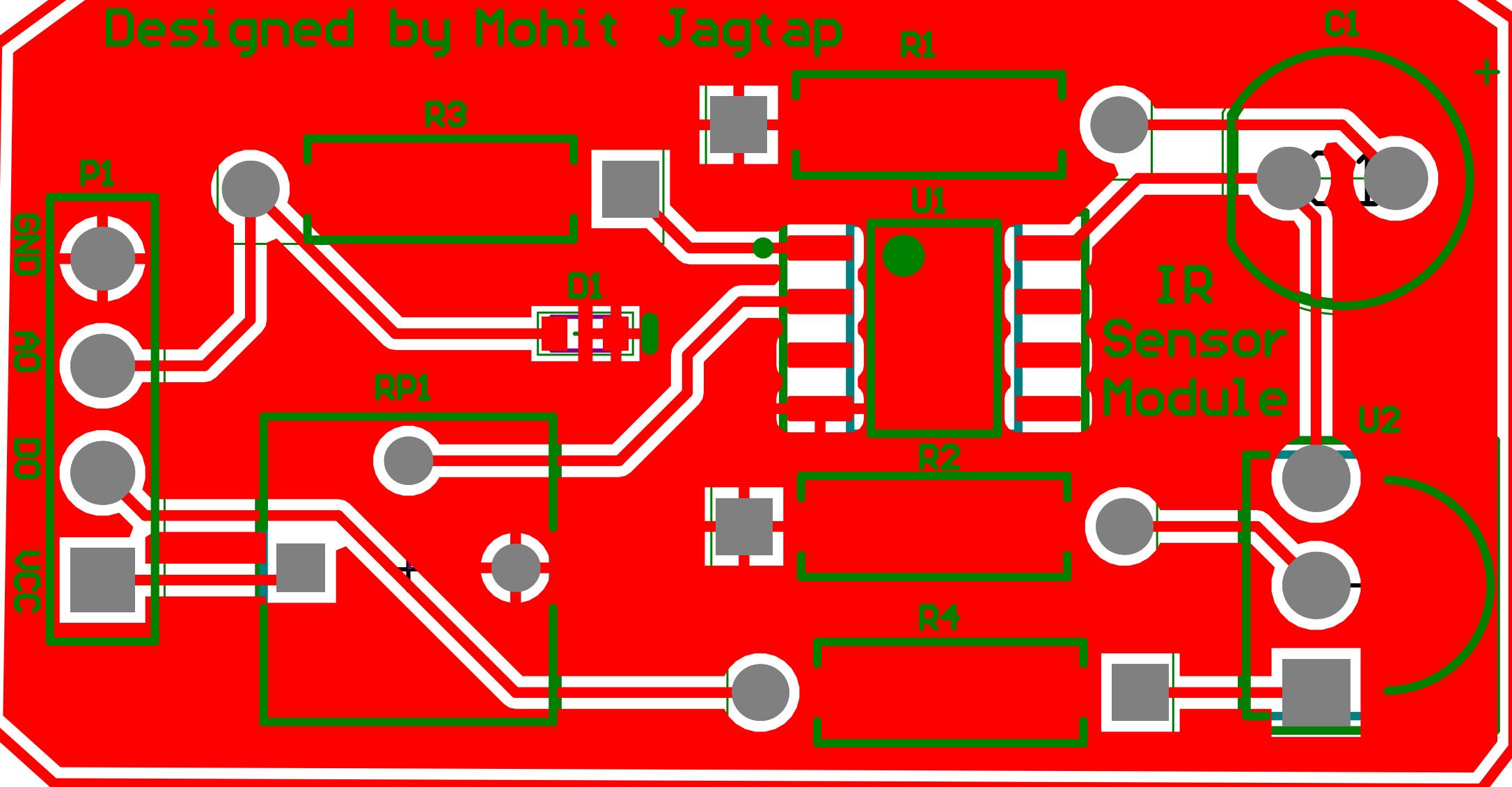


Title IR Sensor Module		
Size A3	Number Sheet 1/1	Revision
Date: 2-04-2026	Sheet of ir_sensor_module	
File: E:\DRIVE-Kali\..>Main.SchDoc	Drawn By: Mohit Jagtap	

1 2 3 4 5 6

Designed by Mohit Jagtap



Comment	Description	Designator	Footprint	LibRef	Quantity
1540051EC3590	1540051EC3590 WL-TDRB THT Photodiode Round Black	C1	WL-TDRB_D5.8H8.7	CMP-03913-98667841-1	1
TLMB1100-GS08	Blue LED, 10 mA, 3.9 V, -40 to 100 degC, 2-Pin SMD (0603), RoHS, Tape and Reel	DS1	VISH-TLMX1100-2_V	CMP-007-00028-2	1
MTLW-104-07-L-S-125	Low Profile .025" SQ Post Header, Through-hole, Vertical, -55 to 125 degC, 2.54 mm Pitch, 4-Pin, Male, RoHS	P1	SMTC-MTLW-104-07-X-S-125	CMP-1024-00072-1	1
MFR-25FBF52-1K	Axial Resistor, 1 KOhm, +/- 1%, 250 mW, -55 to 155 degC, 2-Pin THD, RoHS, Bulk	R1, R2, R3, R4	RESA60-630X240	CMP-009-00048-4	4
3362P-1-104TLF	TRIMMER 100K OHM 0.5W PC PIN TOP	RP1	FP-3362P-T-MFG	CMP-07234-000031-1	1
LM358LVIDR	IC OPAMP GP 2 CIRCUIT 8SOIC	U1	FP-D0008A-MFG	CMP-04895-000442-1	1
TSOP4338	TSOP4338 VISHAY TSOP4338 Infrared Receiver, 38 kHz, 45m, 45 , 5.5 V, 2.5 V, -25 C	U2	FP-6_550-5169_01-4-MFG	CMP-00030-24909036-1	1