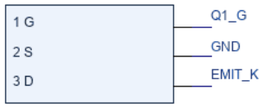
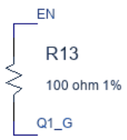
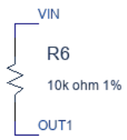
Main Circuit And Support

Q1
AO3400A N-MOSFET 30V 5.7A

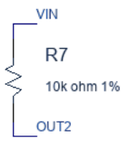


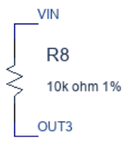


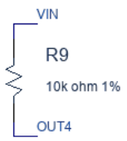


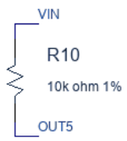


Main Circuit And Support

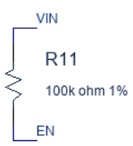






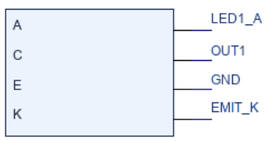


Main Circuit And Support

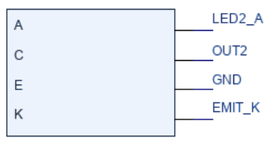


Power And Indicators

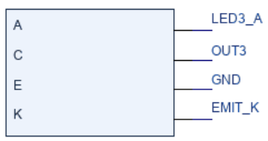
U1
ITR8307/S18/TR8 reflective IR sensor
(940nm LED + phototransistor)



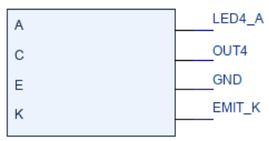
U2
ITR8307/S18/TR8 reflective IR sensor
(940nm LED + phototransistor)



U3
ITR8307/S18/TR8 reflective IR sensor
(940nm LED + phototransistor)



U4
ITR8307/S18/TR8 reflective IR sensor
(940nm LED + phototransistor)



DESIGN NOTES

Matching net labels identify connected signals.

Assembly and DNP details are stored with each component.

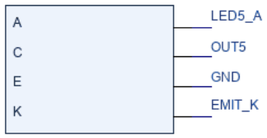
ELECTROTRICAL.COM

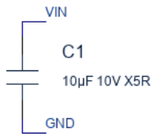
PROJECT / DOCUMENT			STATUS
5Ch Ir Line Follower Array			DESIGN REVIEW
DRAWN BY	CHECKED BY	DATE	REVISION
ElectroTrical	-	2026-11-12	A
DOCUMENT NUMBER		FORMAT	SHEET
ET-S71-SCH-001		A3 / LANDSCAPE	1 of 2

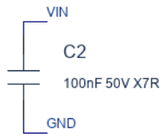
Power And Indicators

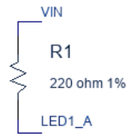
U5

ITR8307/S18/TR8 reflective IR sensor
(940nm LED + phototransistor)

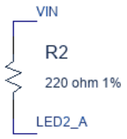


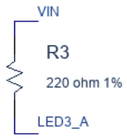


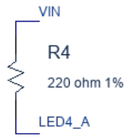


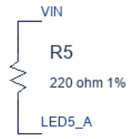


Power And Indicators





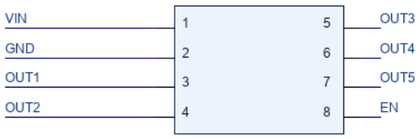




Connectors

J3 DNP

2.54mm male pin header (ship loose)



DESIGN NOTES

Matching net labels identify connected signals.

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PROJECT / DOCUMENT			STATUS
5Ch Ir Line Follower Array			DESIGN REVIEW
DRAWN BY	CHECKED BY	DATE	REVISION
ElectroTrical	-	2026-11-12	A
DOCUMENT NUMBER		FORMAT	SHEET
ET-S71-SCH-002		A3 / LANDSCAPE	2 of 2