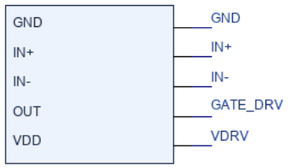
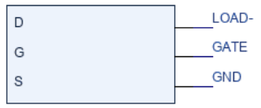
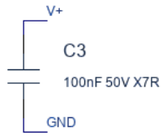
Main Circuit And Support

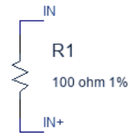
U1
UCC27517DBVR 4A/4A single low-side gate driver



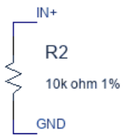
Q1
NCE3080K N-MOSFET 30V 80A, 10m ohm @5V



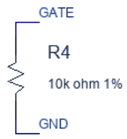


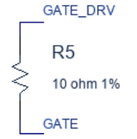


Main Circuit And Support

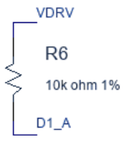




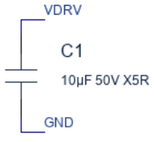


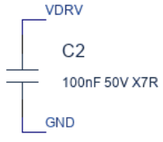


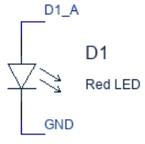
Main Circuit And Support

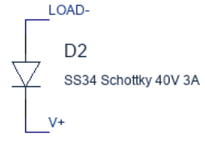


Power And Indicators









DESIGN NOTES

Matching net labels identify connected signals.

Assembly and DNP details are stored with each component.

ELECTROTRICAL.COM

PROJECT / DOCUMENT		STATUS	
Gate Driver Mosfet Switch 10A		DESIGN REVIEW	
DRAWN BY	CHECKED BY	DATE	REVISION
ElectroTrical	-	2026-11-12	A
DOCUMENT NUMBER		FORMAT	SHEET
ET-MD14-SCH-001		A3 / LANDSCAPE	1 of 2

Connectors

J1
Screw terminal 2P 5.0mm 17A (THT)

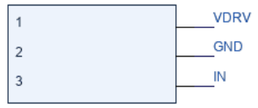


J2
Screw terminal 2P 5.0mm 17A (THT)



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
Gate Driver Mosfet Switch 10A			DESIGN REVIEW
DRAWN BY	CHECKED BY	DATE	REVISION
ElectroTrical	-	2026-11-12	A
DOCUMENT NUMBER		FORMAT	SHEET
ET-MD14-SCH-002		A3 / LANDSCAPE	2 of 2