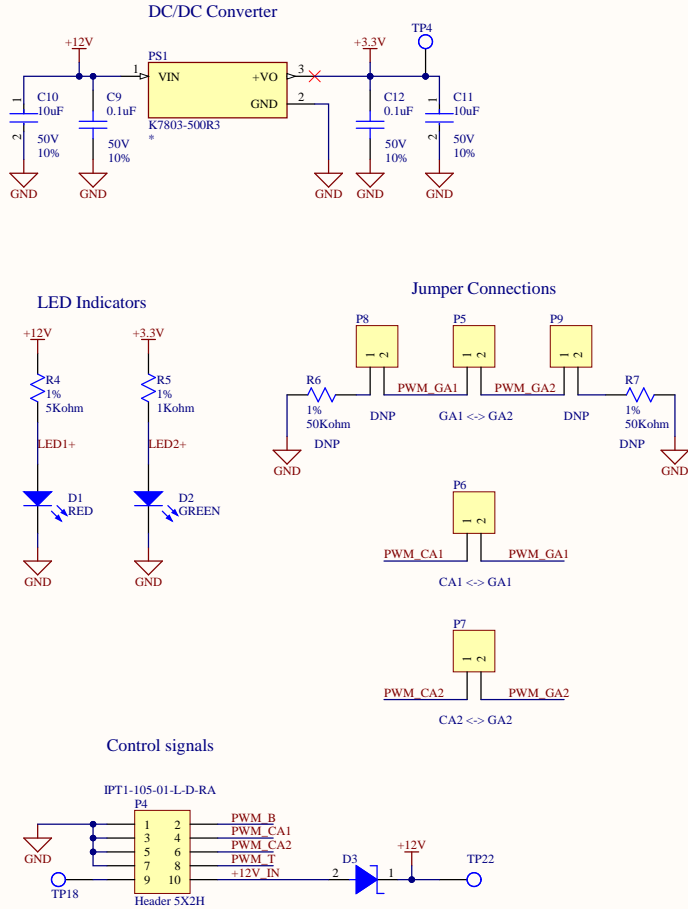


Revision History:

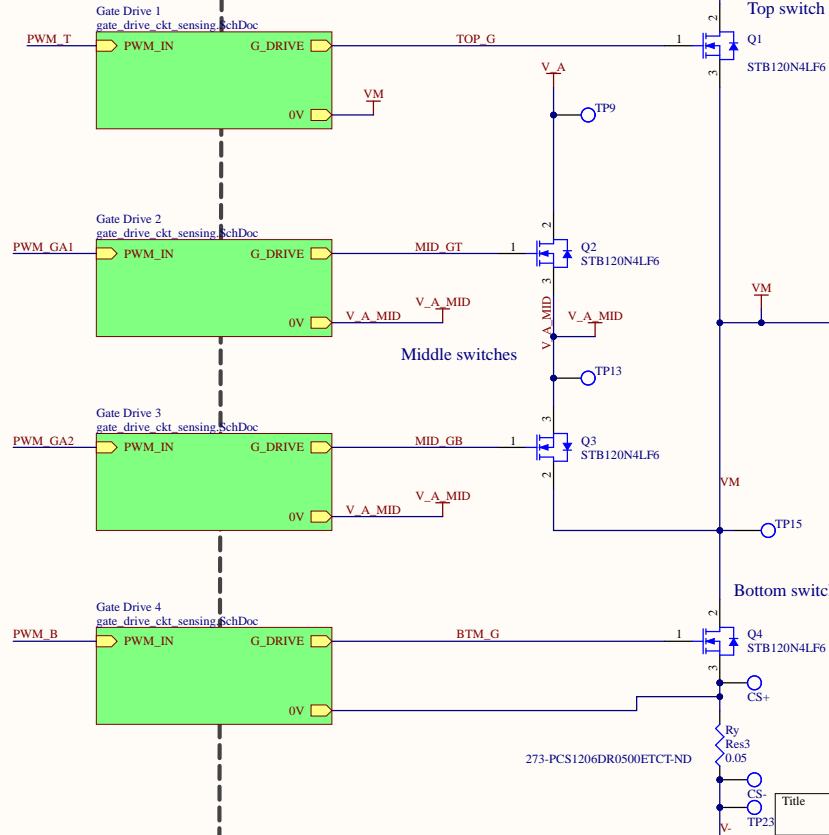
Date:	Revision:	Comments:
03/15/22	B	Second Revision (Gupta)
07/25/22	C_01	added 3rd set of mosfet and driver (Prem)
07/25/22	C_02	output inductor--, DC-DC 9-3V++, LED's++ (Prem)
08/2/22	C_03	M1,2 ,3 part change, C5,15,21 part change, P4 conn_ GND and TP (Prem)
08/4/22	C_04	Jumpers, 4th ctrl PWM, and Gate drivers ckt (Prem)
08/4/22	C_05	sense resistors++ (Gupta)

## Cascaded Power Switching Module

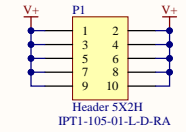


Isolated Control Side

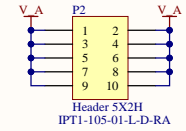
Isolated Switching Side



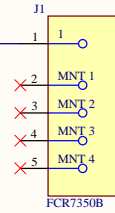
Top Terminal Connector



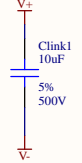
Mid Terminal Connector



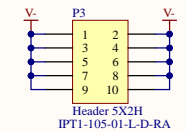
Pole Connector



C-link Capacitors



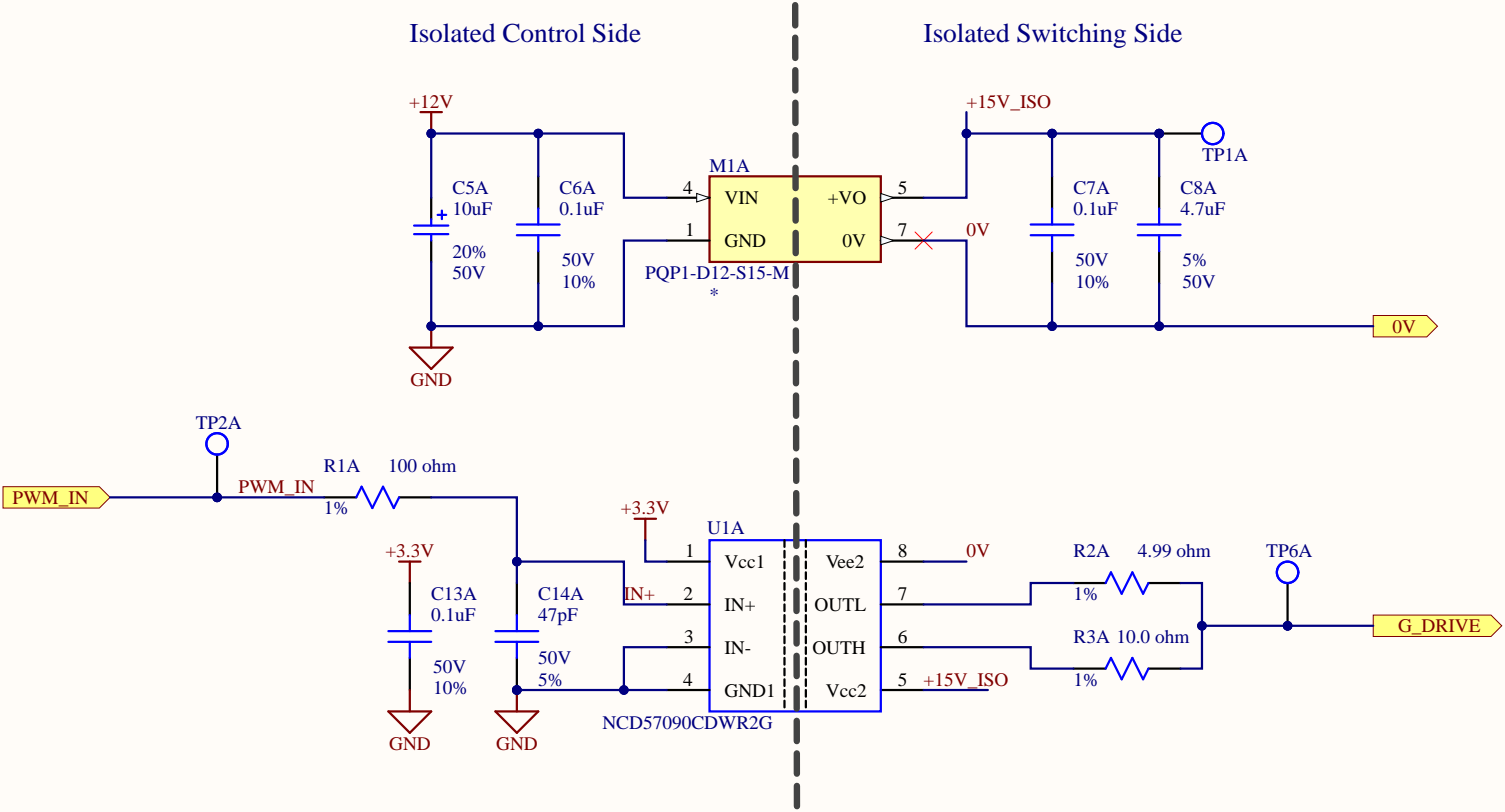
Bottom Terminal Connector



Cascaded Power Switching Module

Size B	Number	Revision C_05
Date: 7/24/2024	Sheet of 1	Abhijeet Prem
File: C:\Users\...power_switching_module_schDoc	Design	

# Isolated MOSFET Gate Driver Circuit

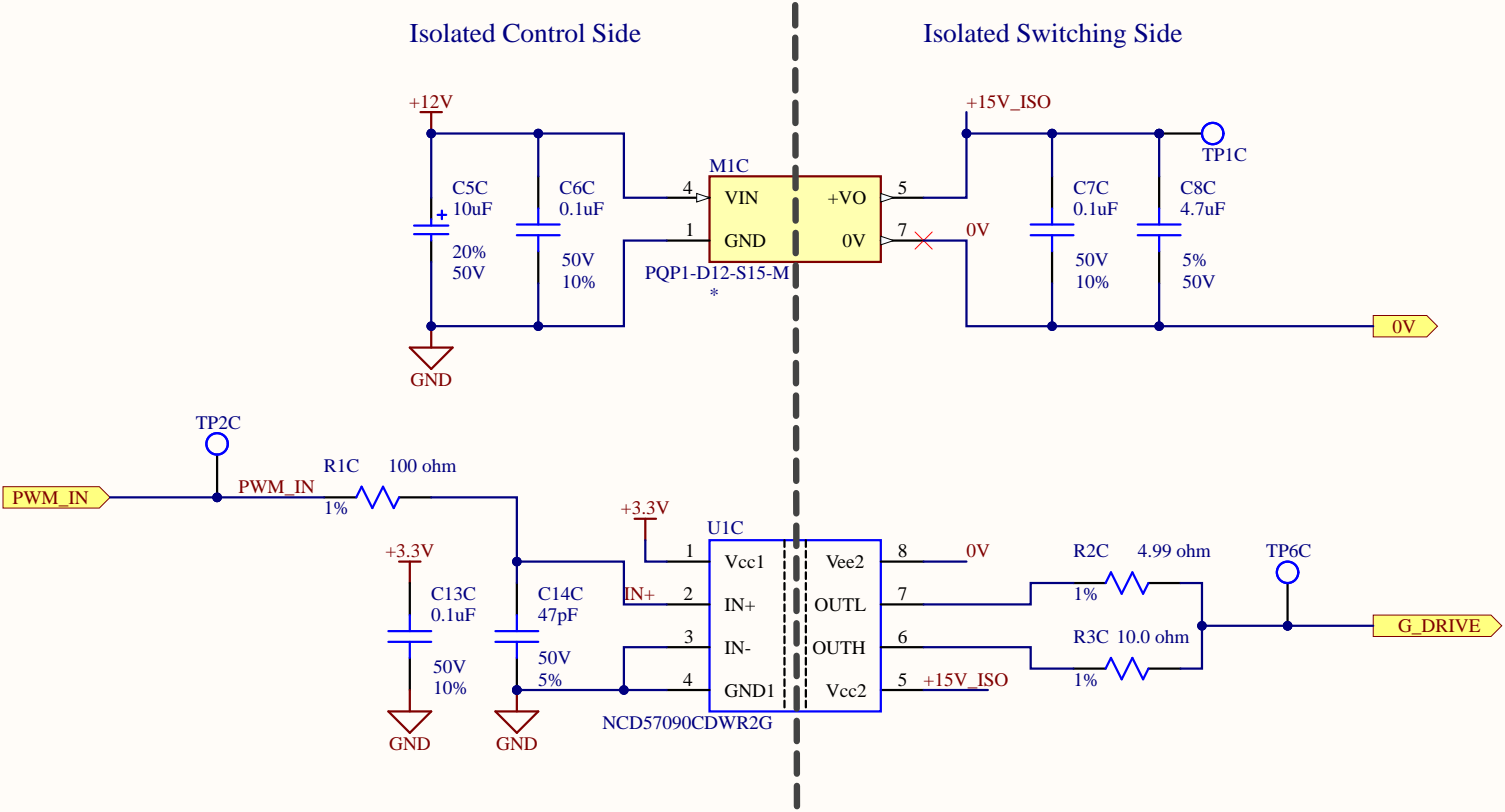


Title		
Gate Driver Circuit		
Size	Number	Revision
A		A
Date:	7/24/2024	Sheet of
File:	C:\Users\...\gate_drive_ckt_sensing.SchDp	Drawn By: Abhijeet Prem

## A

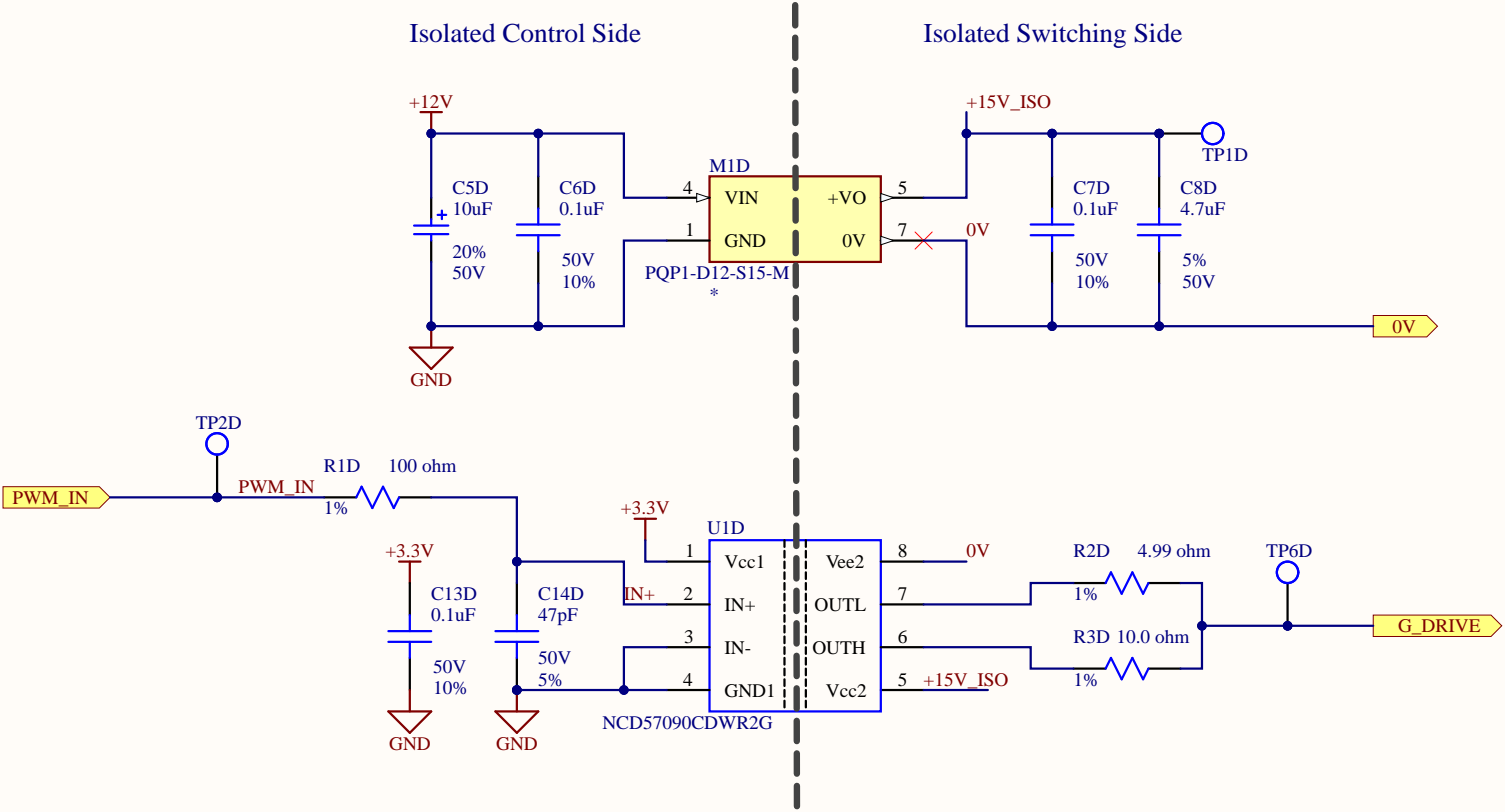
D

# Isolated MOSFET Gate Driver Circuit



Title		
Gate Driver Circuit		
Size	Number	Revision
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Date:	7/24/2024	Sheet of
File:	C:\Users\...\gate_drive_ckt_sensing.SchDp	Drawn By: Abhijeet Prem

# Isolated MOSFET Gate Driver Circuit



Title		
Gate Driver Circuit		
Size	Number	Revision
A		A
Date:	7/24/2024	Sheet of
File:	C:\Users\...\gate_drive_ckt_sensing.SchDp	Drawn By: Abhijeet Prem