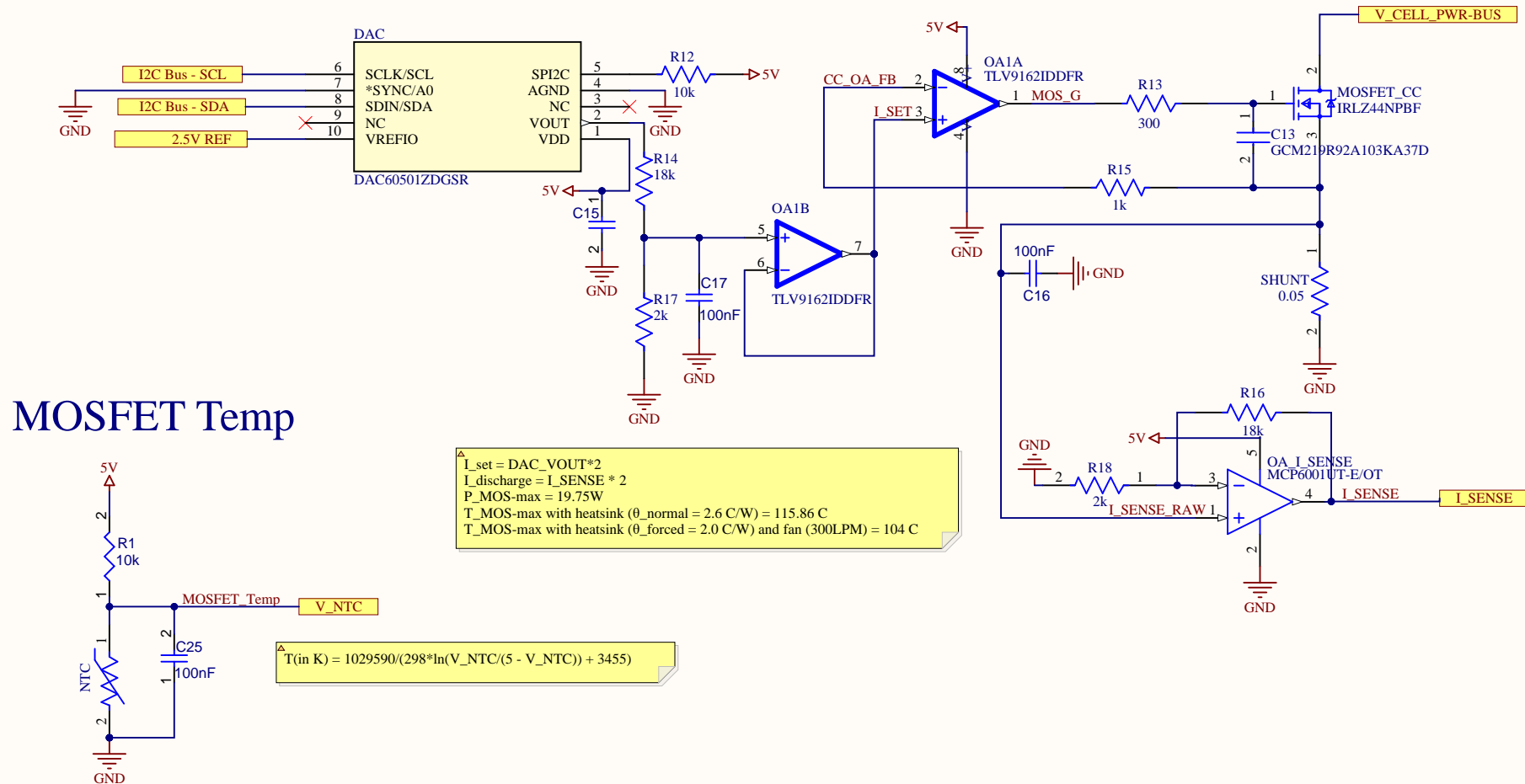


## A

D

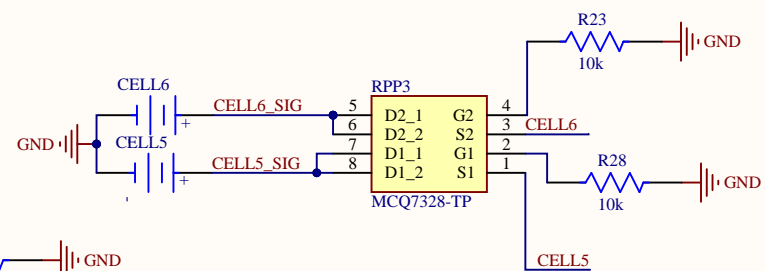
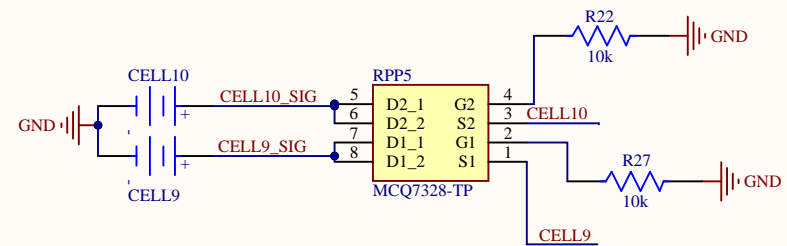
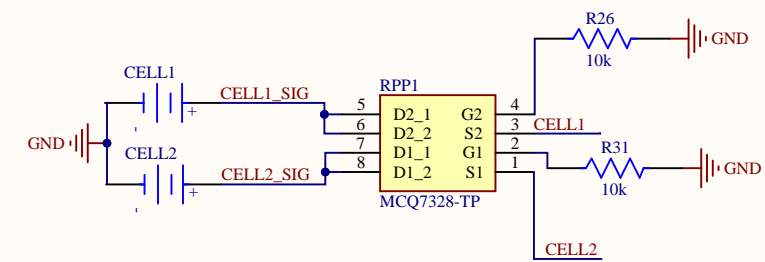
# CONSTANT CURRENT SINK



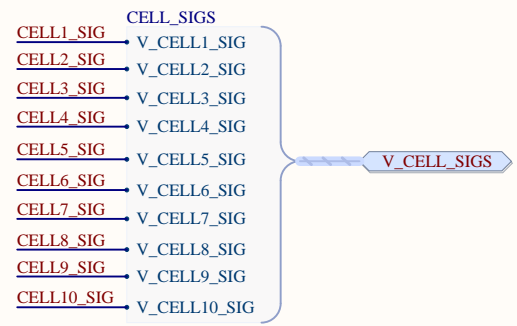
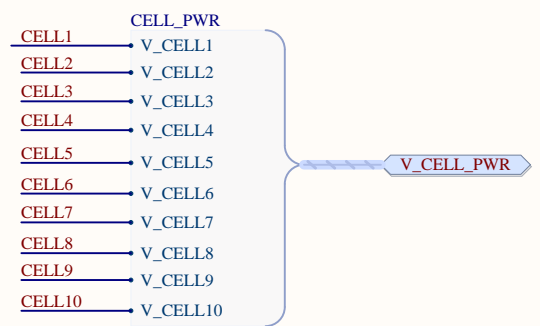
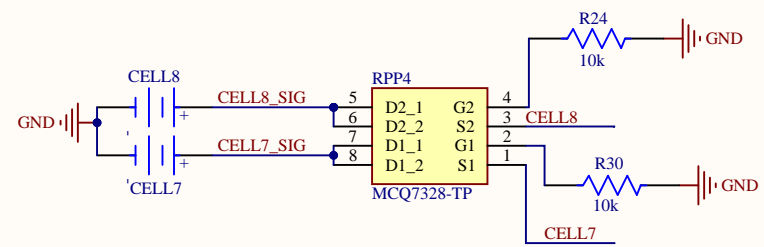
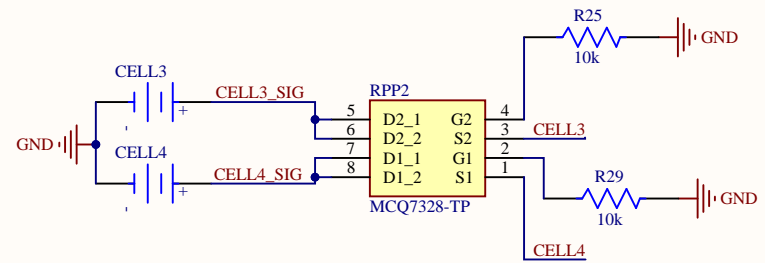
## MOSFET Temp

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Size	Number	Revision
A4		
Date:	1-03-2026	Sheet of
File:	C:\Users\...\Constant Current Sink.SchDoc Drawn By:	

# CELL HOLDERS



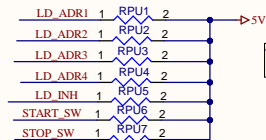
RPP1-5 are for reverse polarity protection. Approx voltage drop across D-S @ 5A is 140mv. SIG wires are added before RPP for kelvin sense



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Date:	1-03-2026	Sheet of
File:	C:\Users\...\Cell Holders.SchDoc	Drawn By:

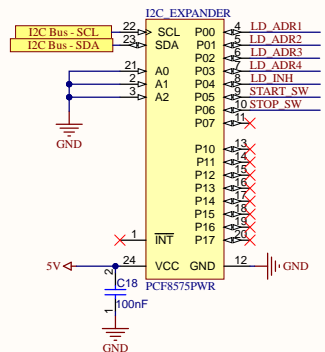
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# SEQUENTIAL CELL SWITCHING

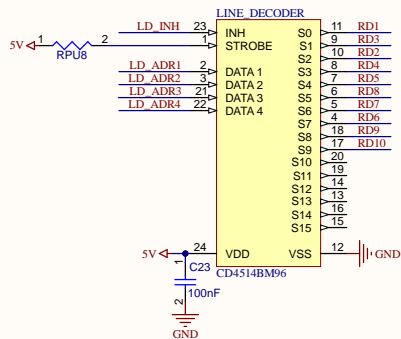


4.7k, 0805, 1/8W

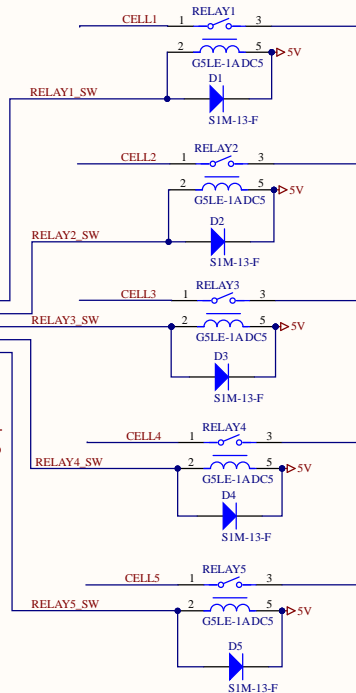
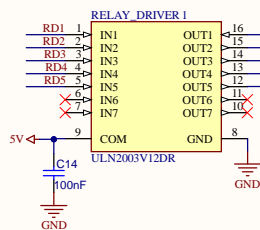
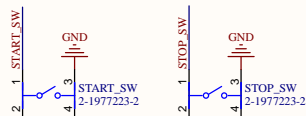
I2C Expander used as not enough GPIO's in MCU



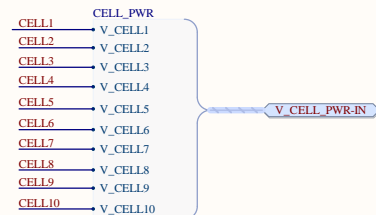
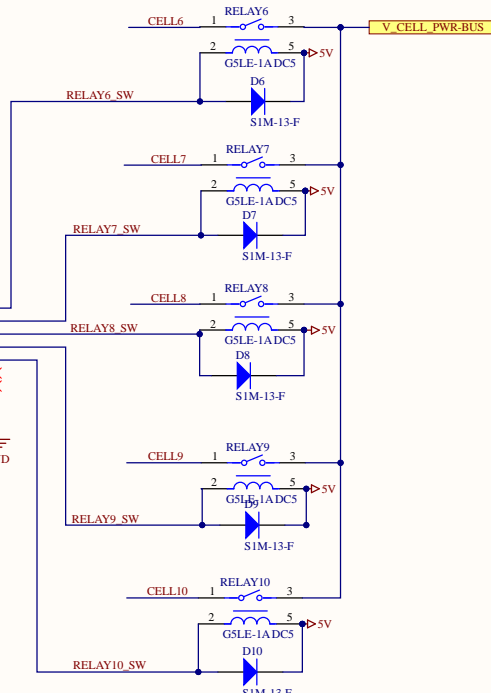
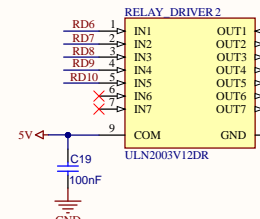
Line Decoder for mutually exclusive channels. (Hardware interlock to prevent opening more than one channel at once)



## User Switches



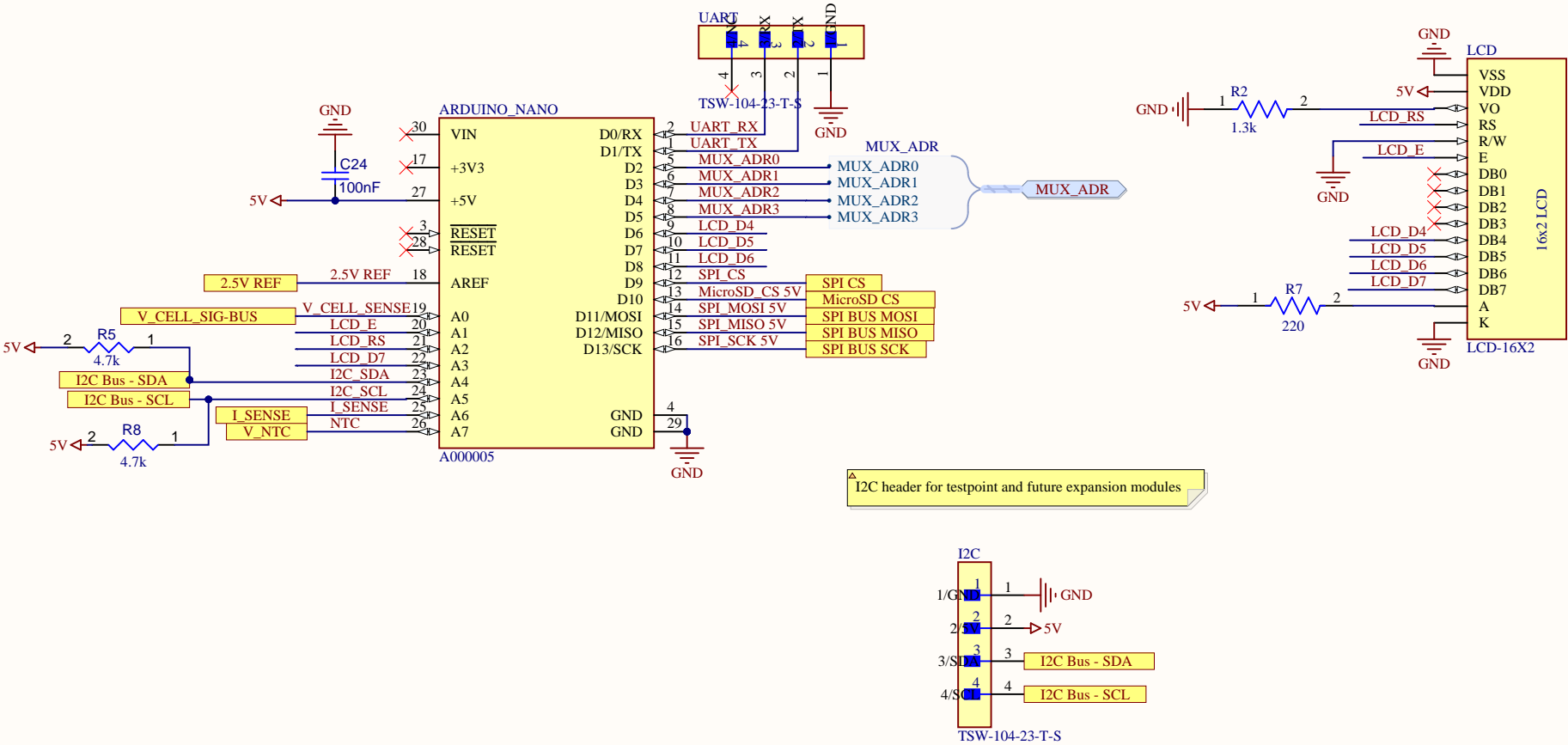
Relays driven on low-side



APPROVALS	DATE	PROJECT	Altium
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DSN: .		FILE NAME: .	1985594515556055ad819a776e9987795b1dd8c685ef2648e9f
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REFERENCE DOCUMENTS		BOM: .	
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FAB DWG: .		PCB DWG: .	SCALE: .
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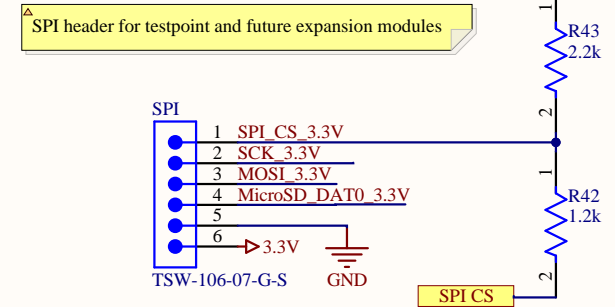
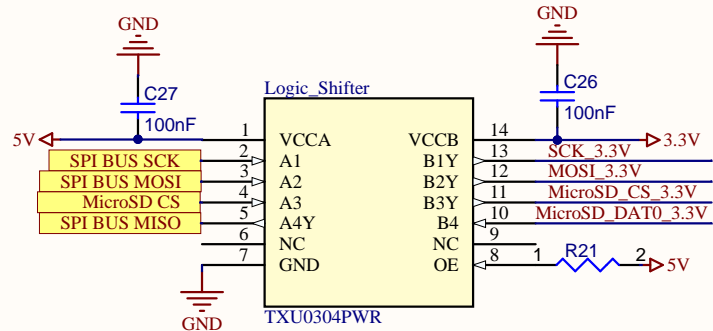
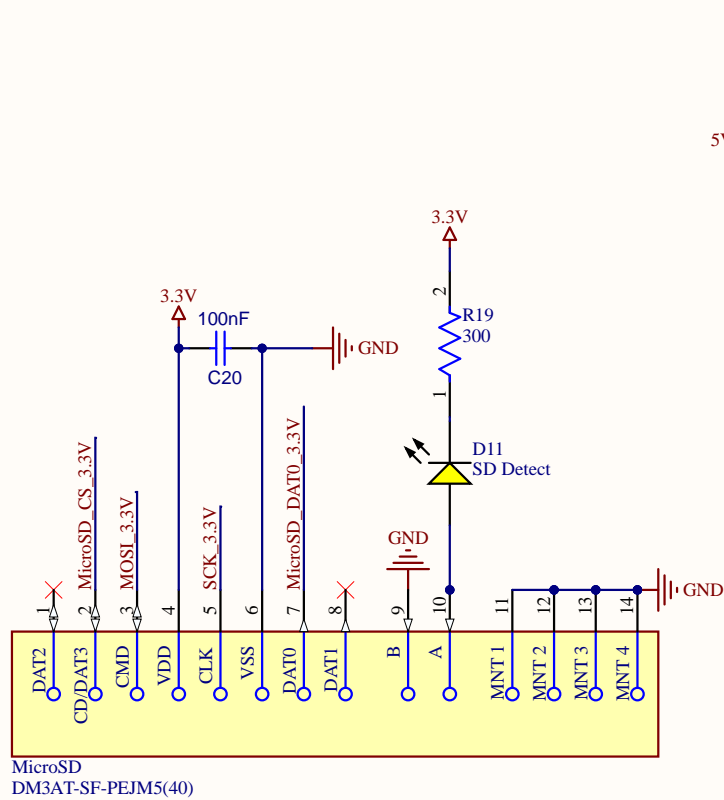
# MCU (Nucleo / Nano)

# LCD



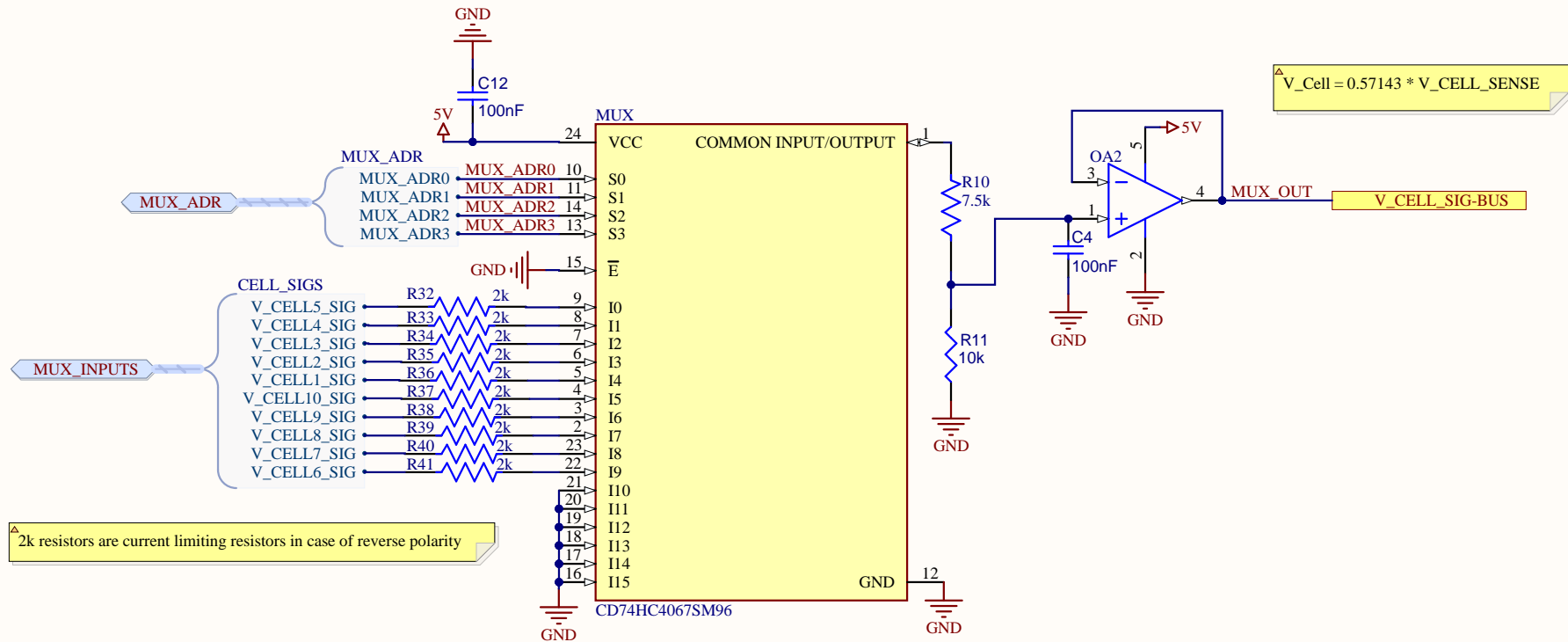
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# MicroSD



Title			
Size	Number		Revision
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Date:	1-03-2026		Sheet of
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# CELL MONITORING



Title		
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Date:	1-03-2026	Sheet of
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