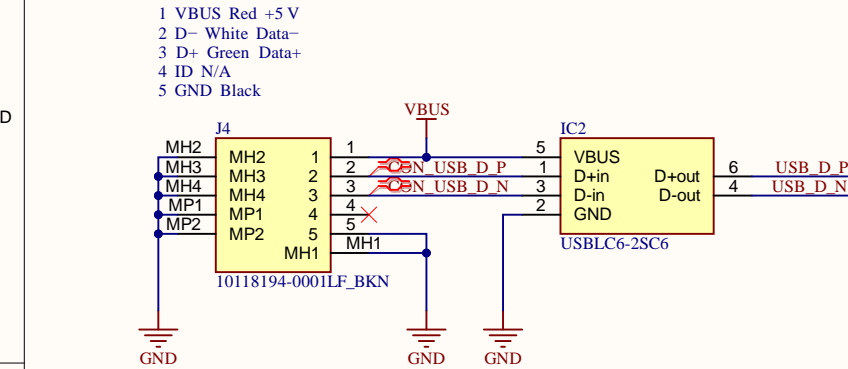
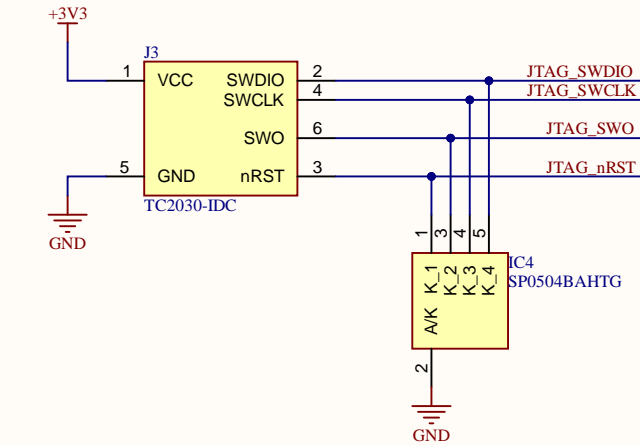


Title		
Embedded Real-Time Muscle Monitoring System		
Size	Number	Revision
A3	Schematic_1	A
Date:	6/04/2025	Sheet 1 of 8
File:	Top_Level.SchDoc	Drawn By: KGE Checked: JL

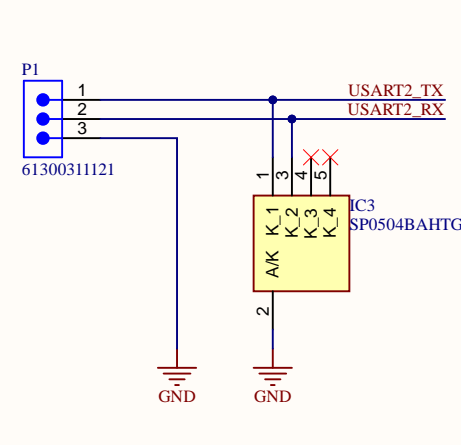
D



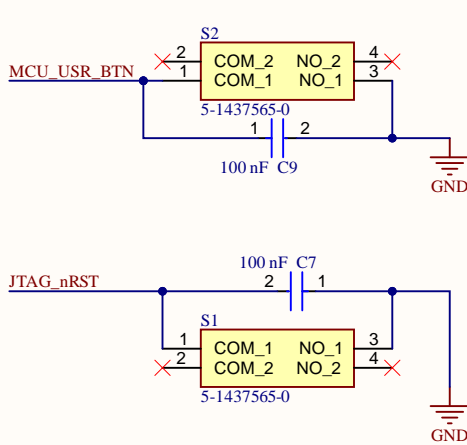
USB Connector



SWD_JTAG

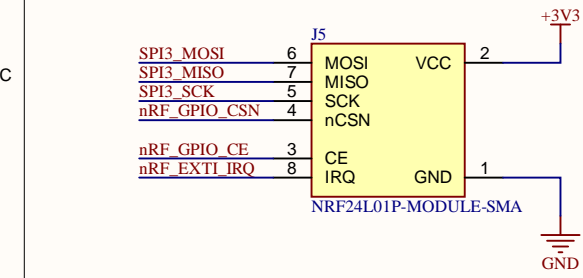


UART

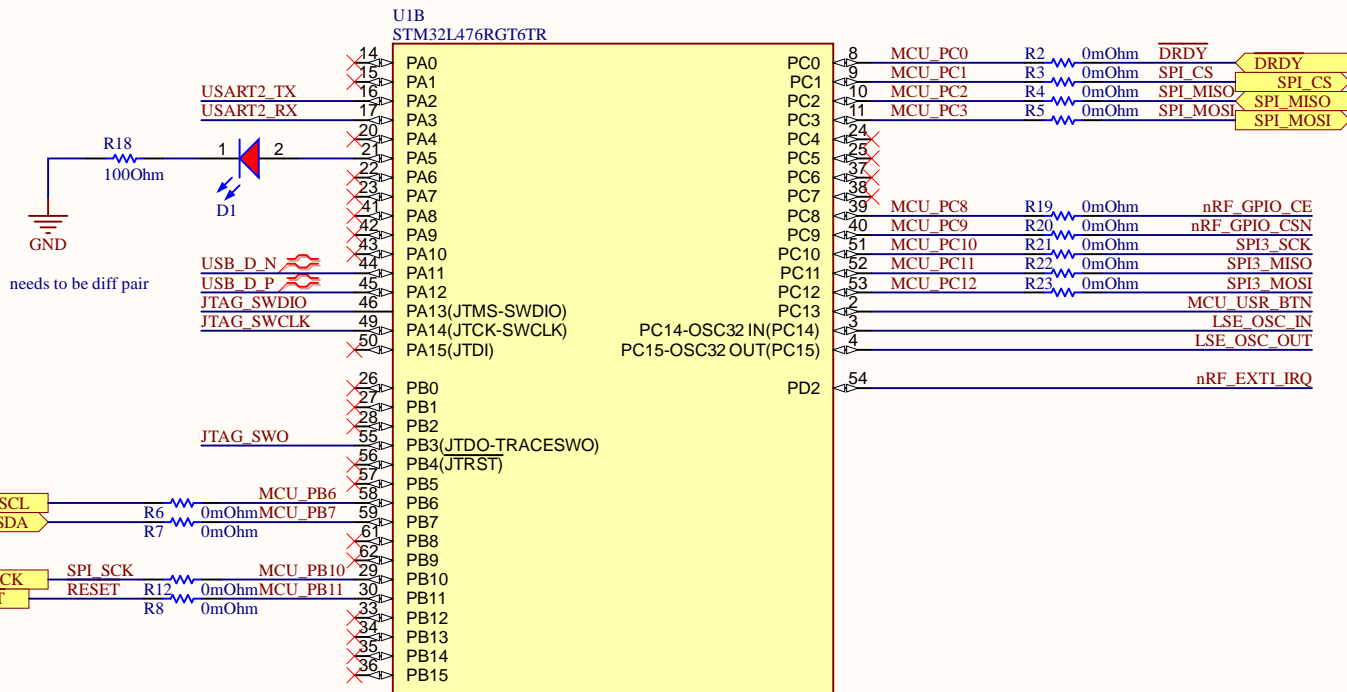


Buttons

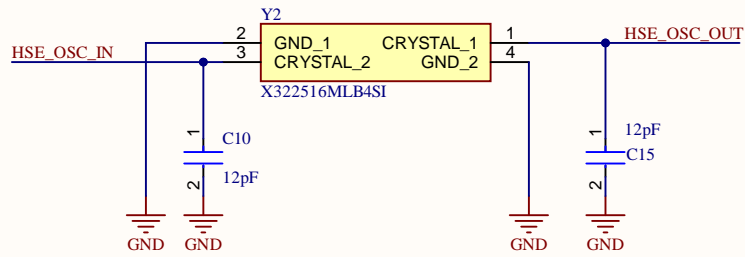
C



Wireless Module

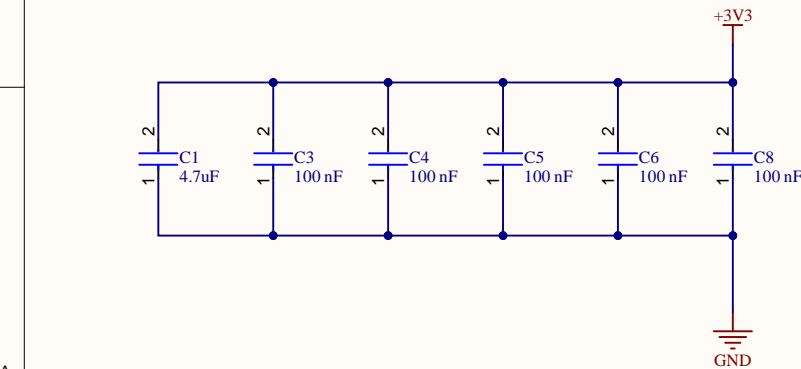


Low frequency oscillator

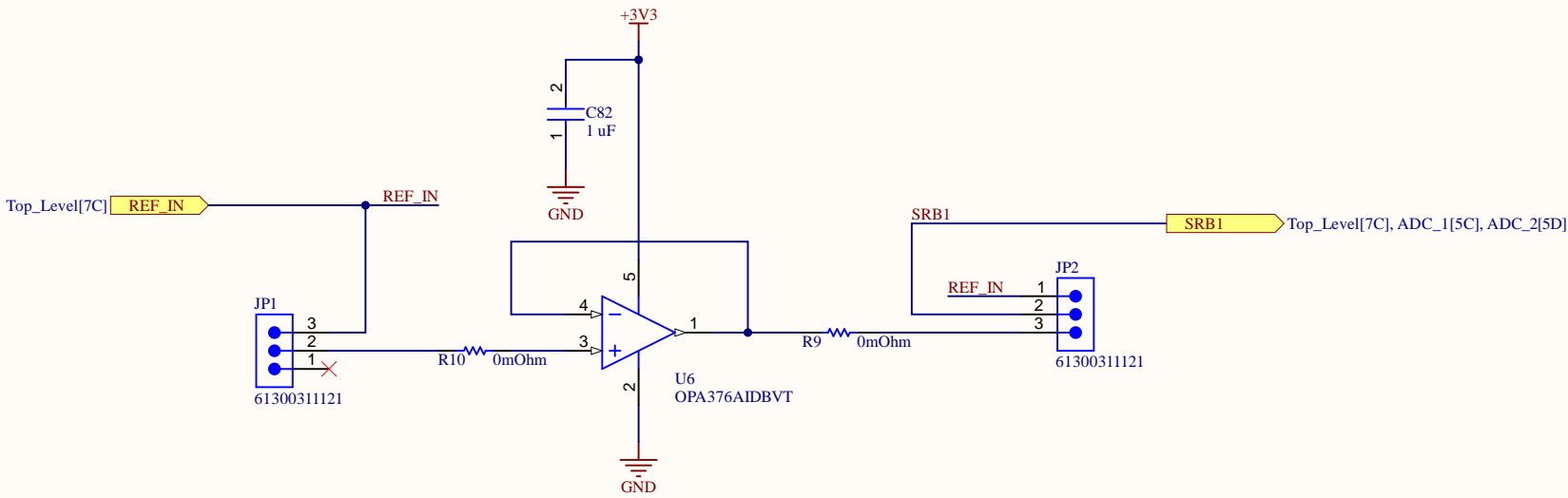


High frequency oscillator

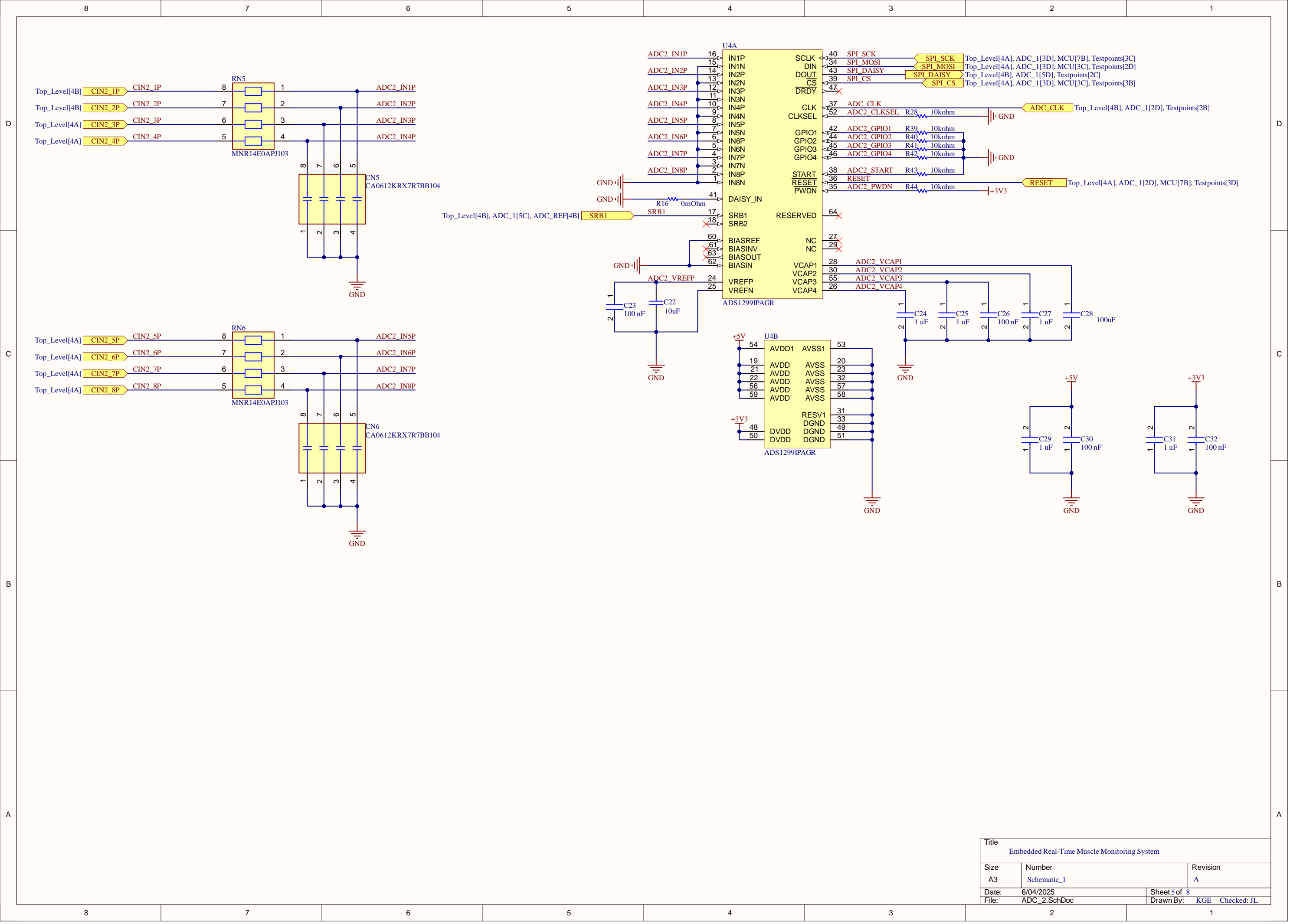
A



Title		
Embedded Real-Time Muscle Monitoring System		
Size	Number	Revision
A3	Schematic_1	A
Date:	6/04/2025	Sheet2 of 8
File:	MCU.SchDoc	Drawn By: KGE Checked: JL

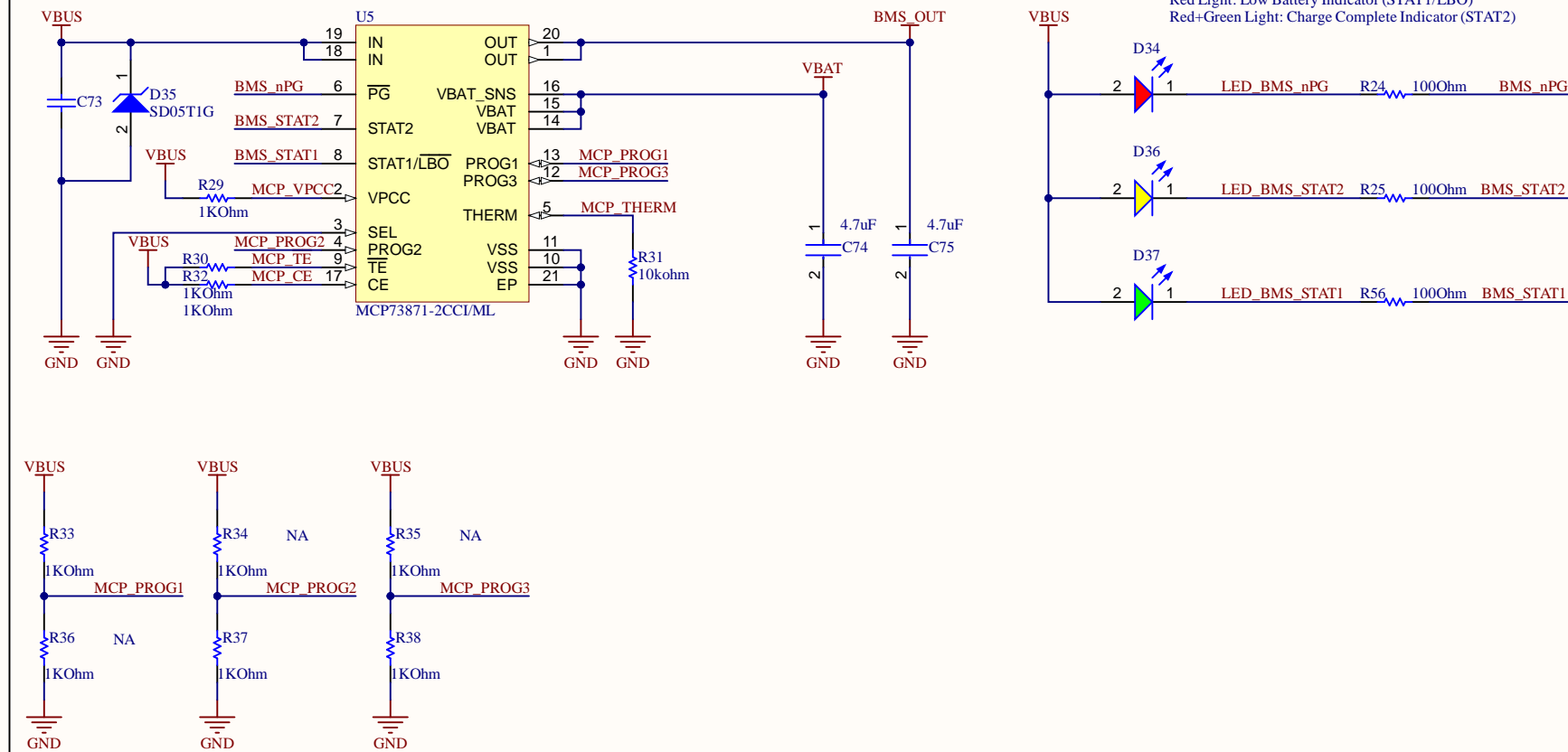


Title		
Embedded Real-Time Muscle Monitoring System		
Size	Number	Revision
A3	Schematic_1	A
Date:	6/04/2025	Sheet 3 of 8
File:	ADC_REF.SchDoc	Drawn By: KGE Checked: JL

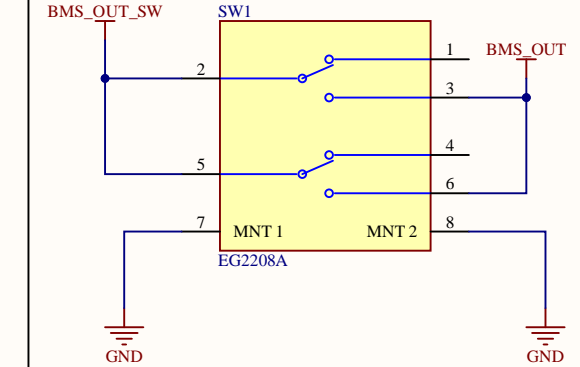


Title		
Embedded Real-Time Muscle Monitoring System		
Size	Number	Revision
A3	Schematic_1	A
Date:	6/04/2025	Sheet 5 of 8
File:	ADC_2.SchDoc	Drawn By: KGE Checked: JL

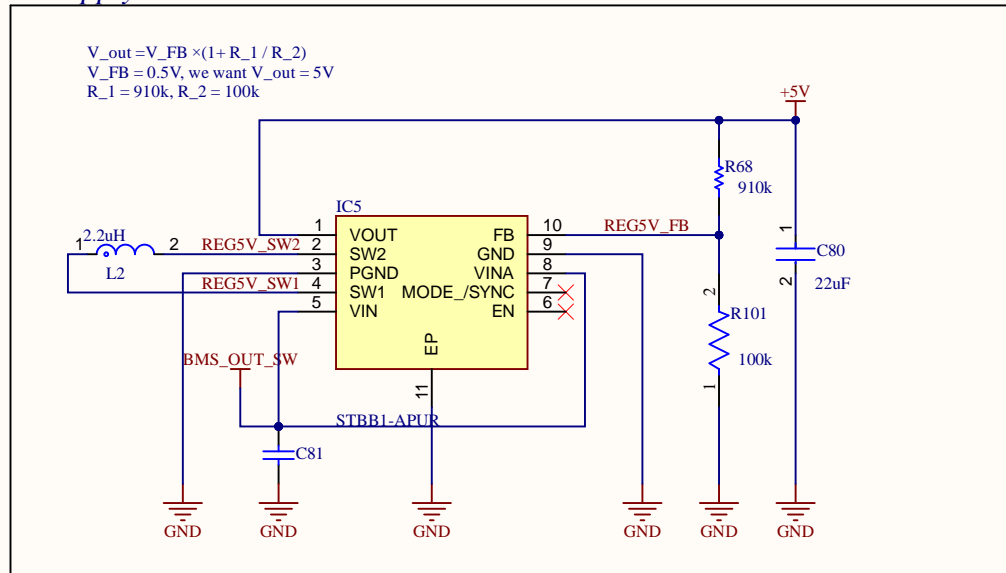
BMS



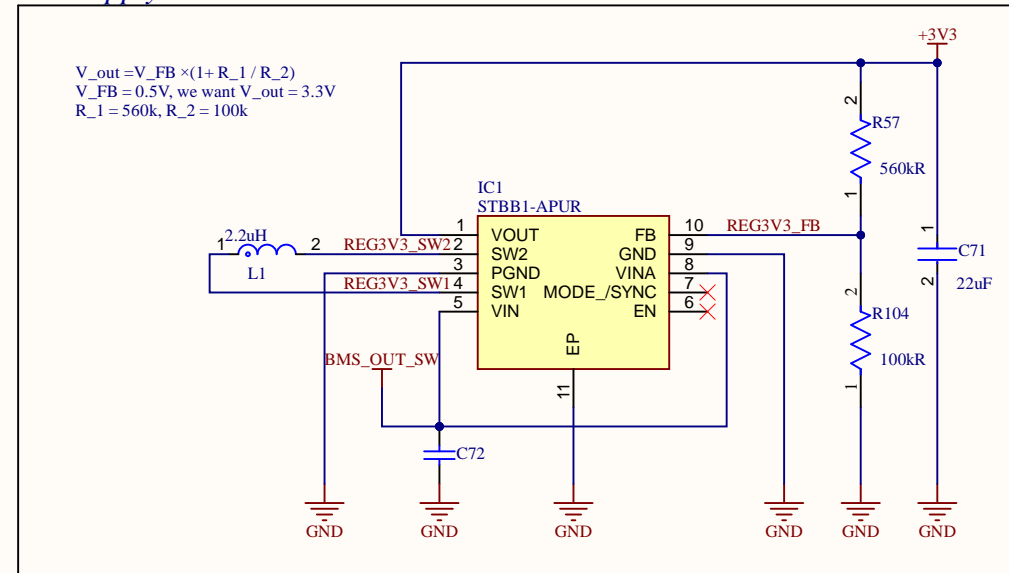
Power Switch



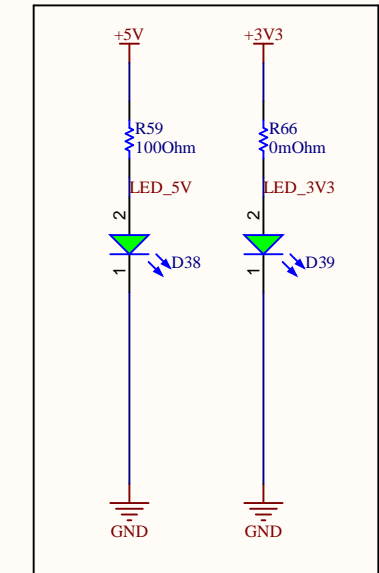
5V Supply



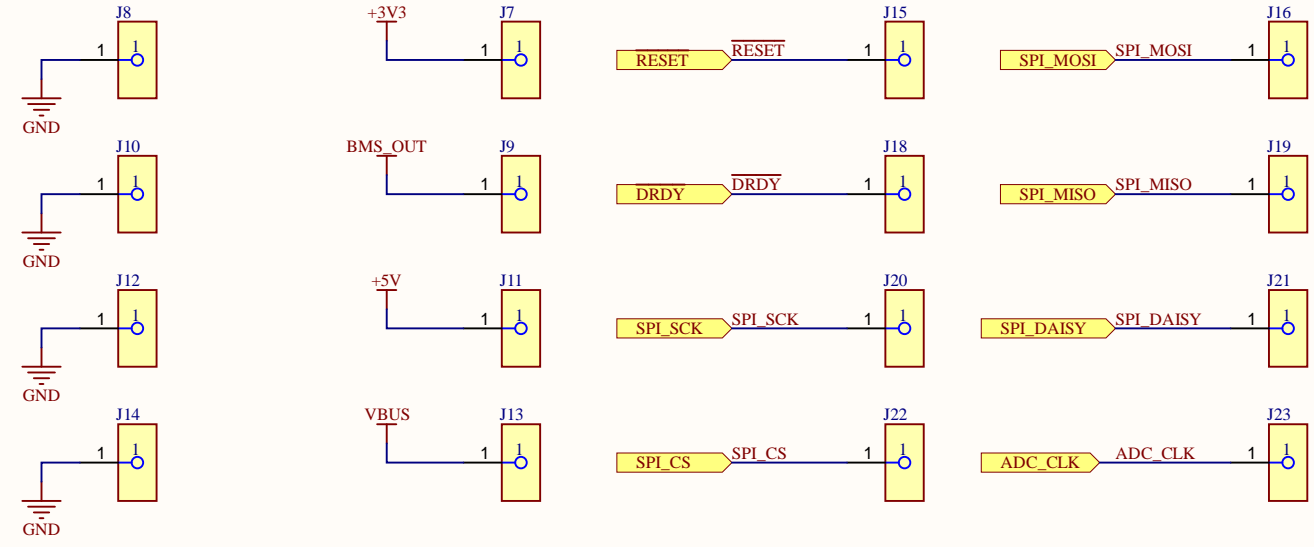
3V3 Supply



LEDs



Title Embedded Real-Time Muscle Monitoring System		
Size A3	Number Schematic_1	Revision A
Date: 6/04/2025	Sheet 7 of 8	
File: BMS.SchDoc	Drawn By: KGE Checked: JL	



Title		
Embedded Real-Time Muscle Monitoring System		
Size	Number	Revision
A	Schematic_1	A
Date:	6/04/2025	Sheet 8 of 8
File:	Testpoints.SchDoc	Drawn By: KGE Checked: JL