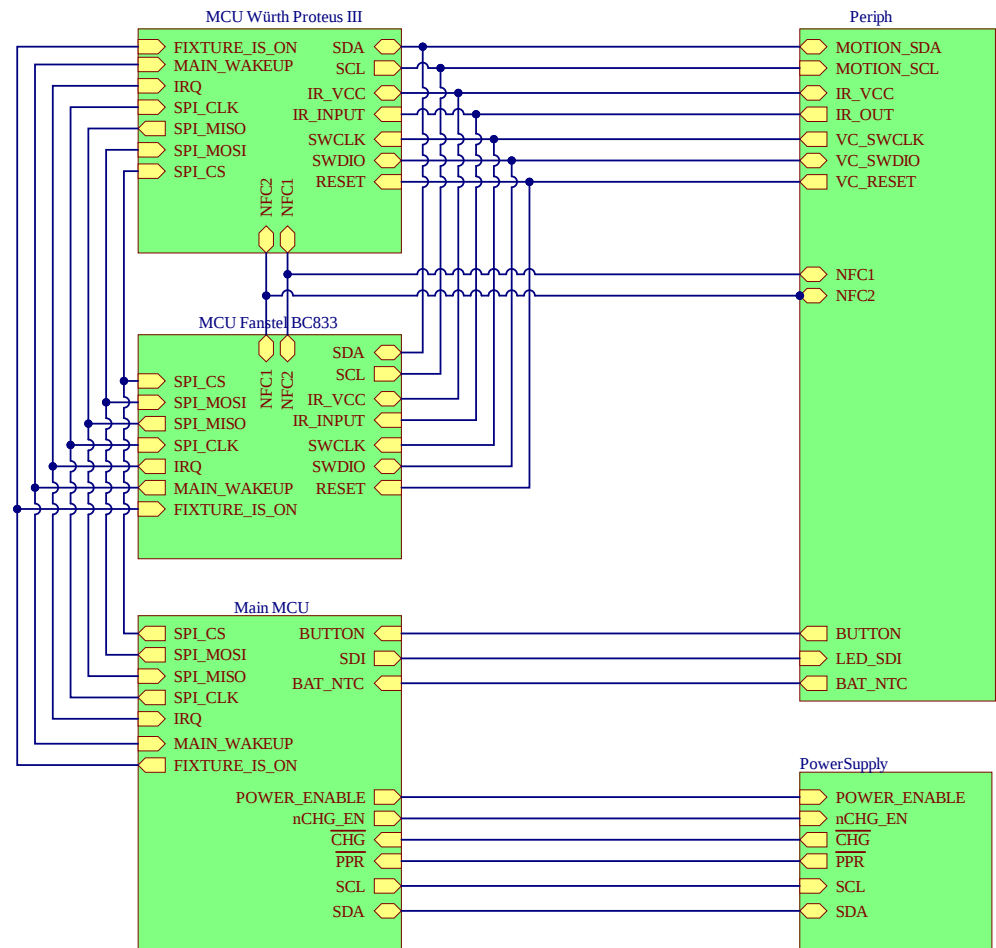
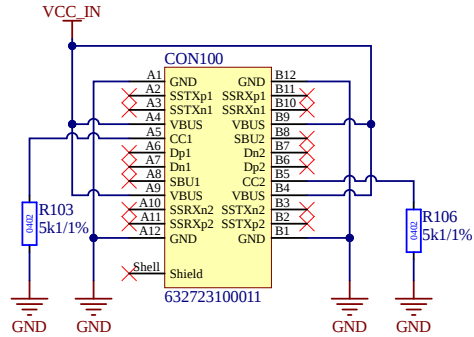


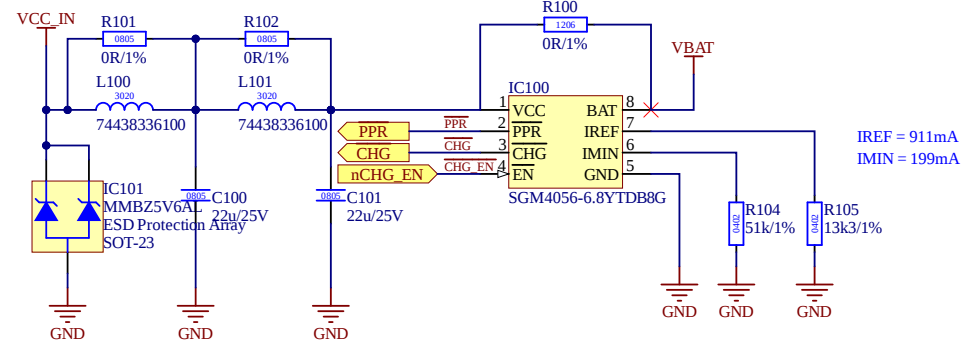


Project		Revision	1.0
Board		Mainboard	
Date		3/26/2024	
Variant		[No Variations]	
		Sheet 2 of 7	
		Drawn by JK	

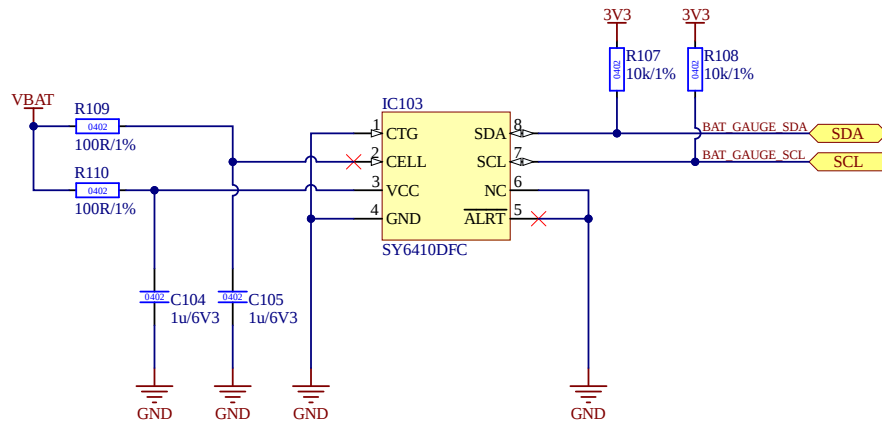
USB Connector



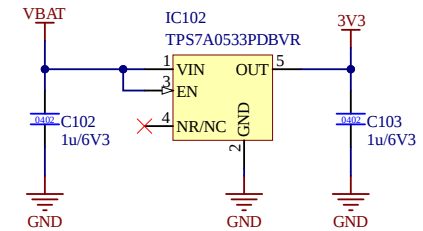
Battery Management Example



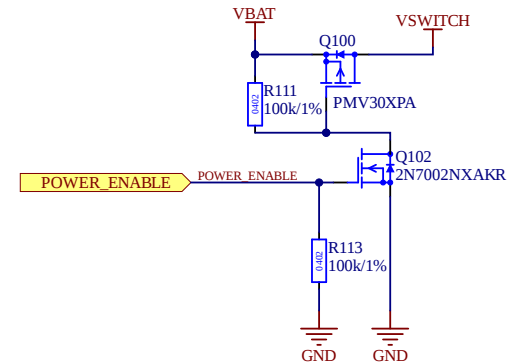
Battery Gauges Example



3V3 Voltage Regulators

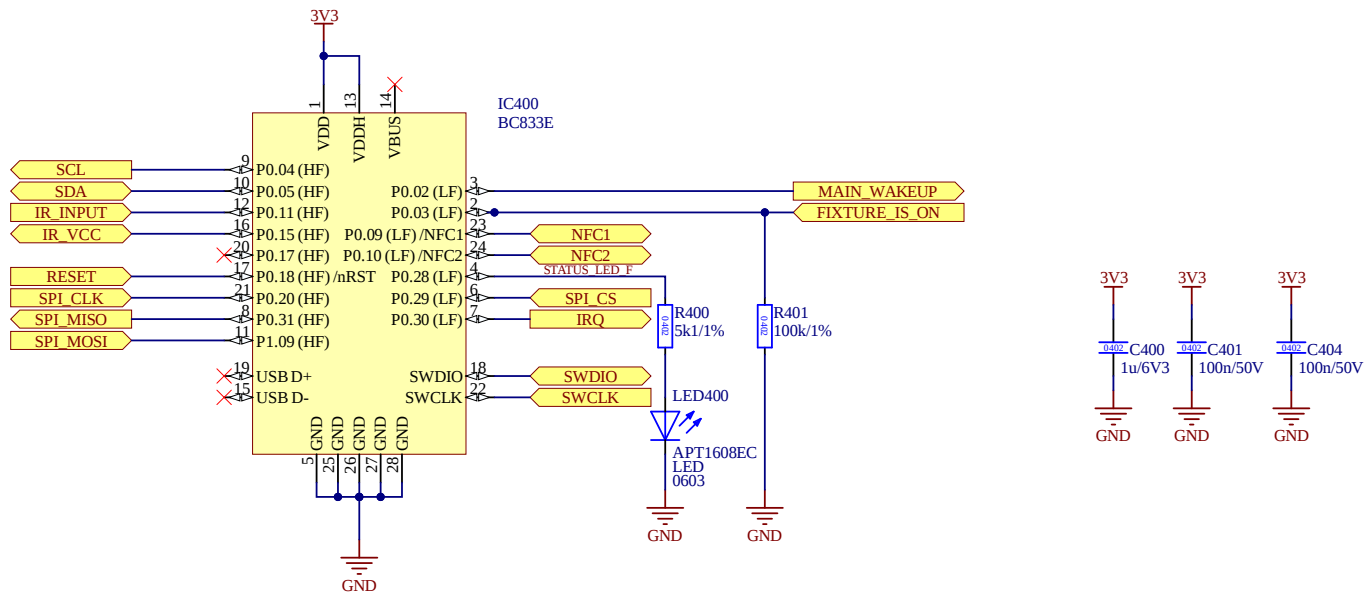


Power Switch



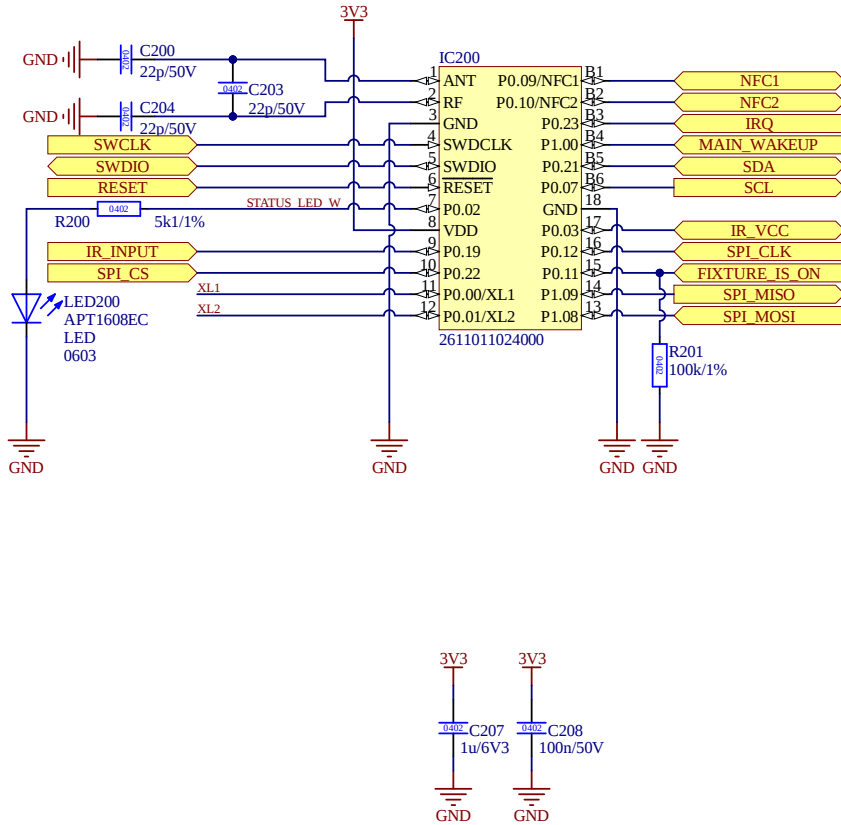
Project	Vision_External_Module	Revision	1.0
Board	Mainboard		
	Vision_External_Module_PowerSupply.SchDoc		
Date	3/26/2024	Sheet	3 of 7
Variant	[No Variations]	Drawn by	JK

FANSTEL BC Module

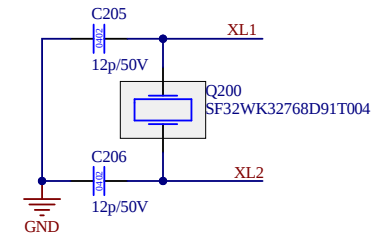


Project	Vision_External_Module	Revision	1.0
Board	Mainboard		
	Vision_External_Module_MCU_Fanstel_BC.SchDoc		
Date	3/26/2024	Sheet	4 of 7
Variant	[No Variations]	Drawn by	JK

WE Module



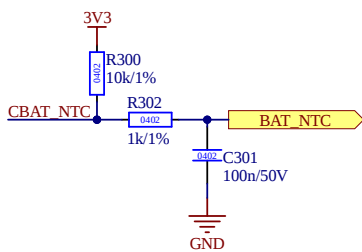
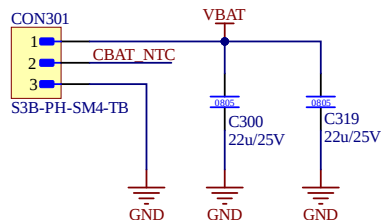
Clock Crystal



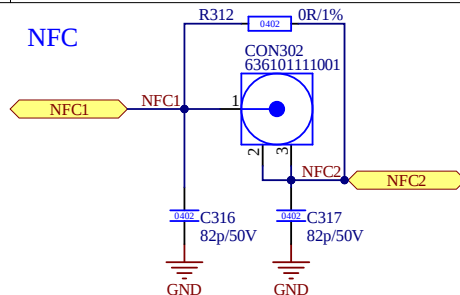
Project	Vision_External_Module	Revision	1.0
Board	Mainboard		
	Vision_External_Module_MCU_Wuerth.SchDoc		
Date	3/26/2024	Sheet	5 of 7
Variant	[No Variations]	Drawn by	JK

Battery Connector

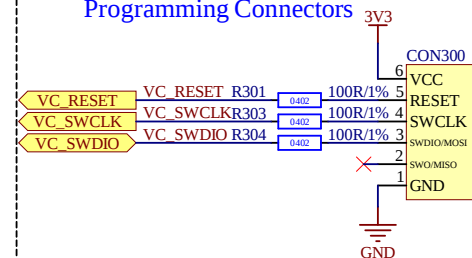
H300
MountingHole_3.2mm
H301
MountingHole_3.2mm
H302
MountingHole_3.2mm
H303
MountingHole_3.2mm



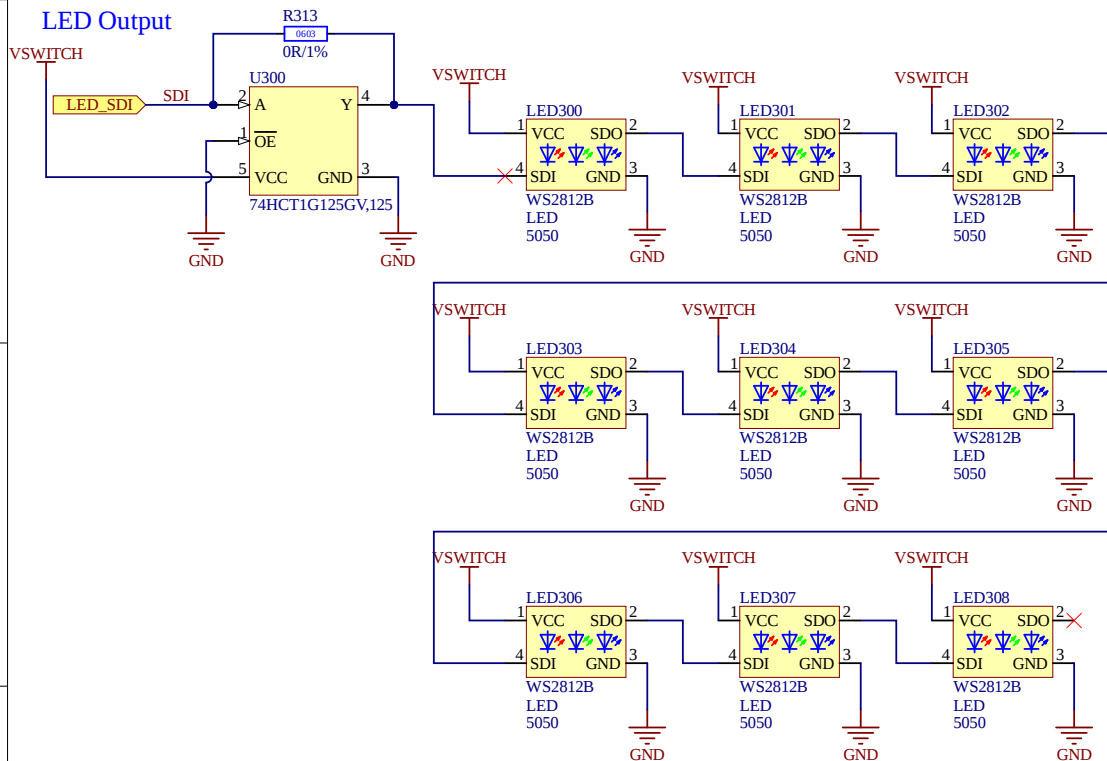
NFC



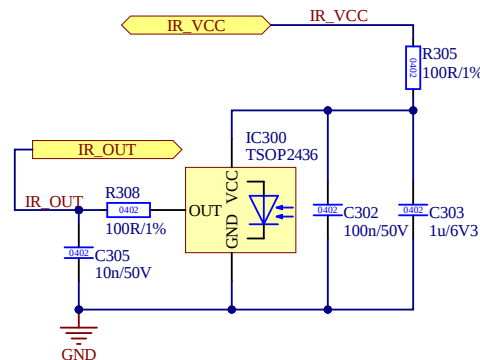
Programming Connectors



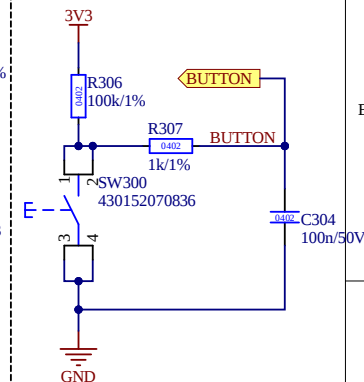
LED Output



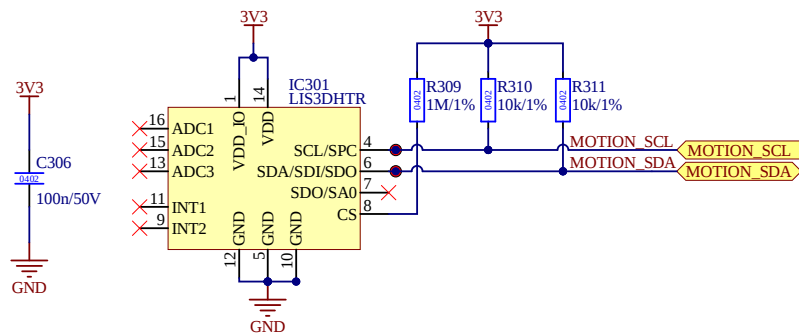
Infrared Receiver (Optional)



Button

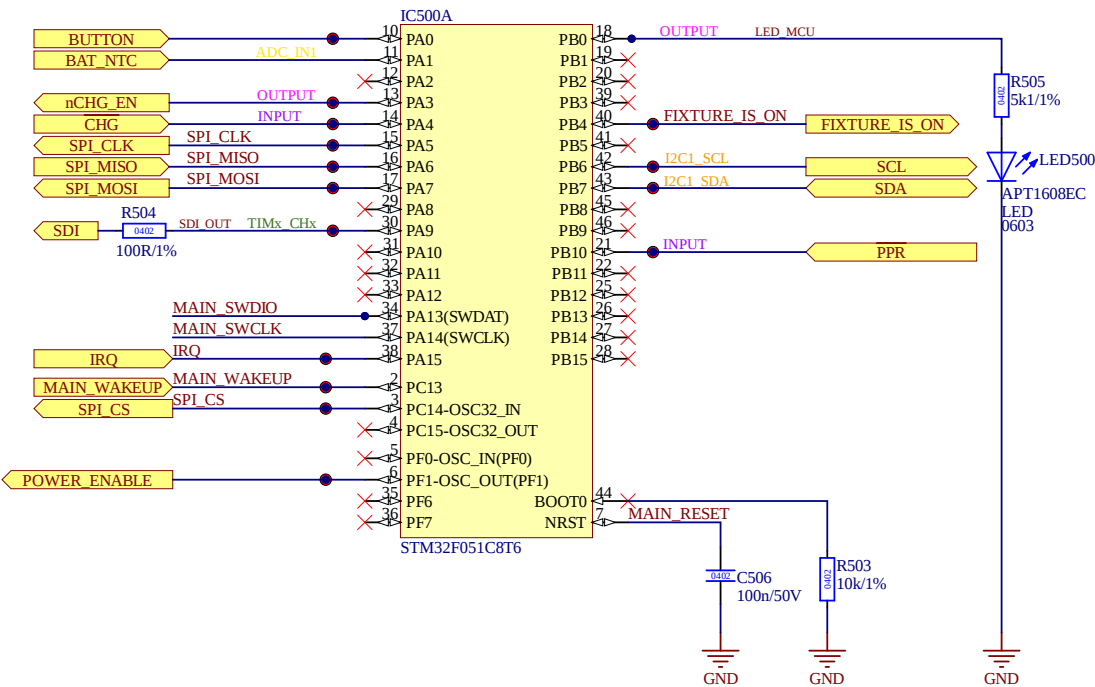


Motion Interface (Optional)

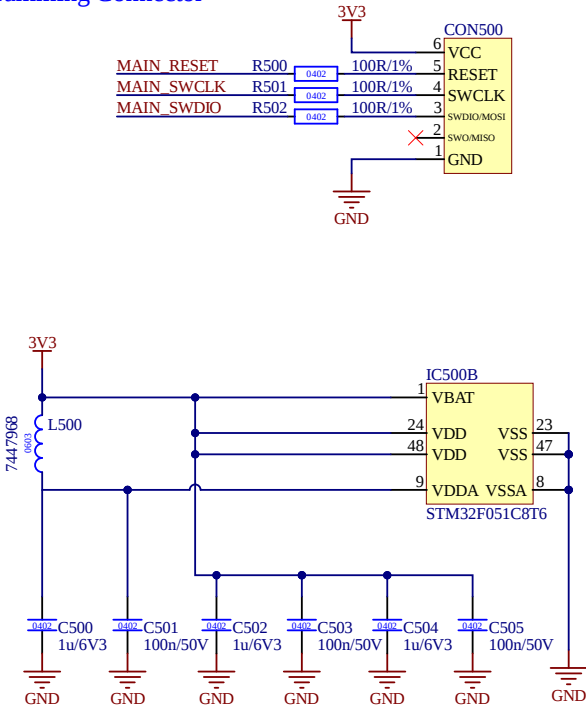


Project	Vision_External_Module	Revision	1.0
Board	Mainboard		
	Vision_External_Module_Periph.SchDoc		
Date	3/26/2024	Sheet	6 of 7
Variant	[No Variations]	Drawn by	JK

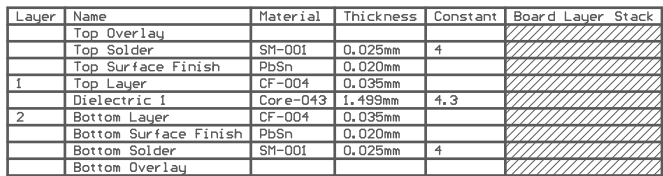
External Main Controller



Programming Connector



Project	Vision_External_Module	Revision	1.0
Board	Mainboard		
	Vision_External_Module_Main_MCU.SchDoc		
Date	3/26/2024	Sheet 7 of 7	
Variant	[No Variations]	Drawn by JK	



Board Stack Report