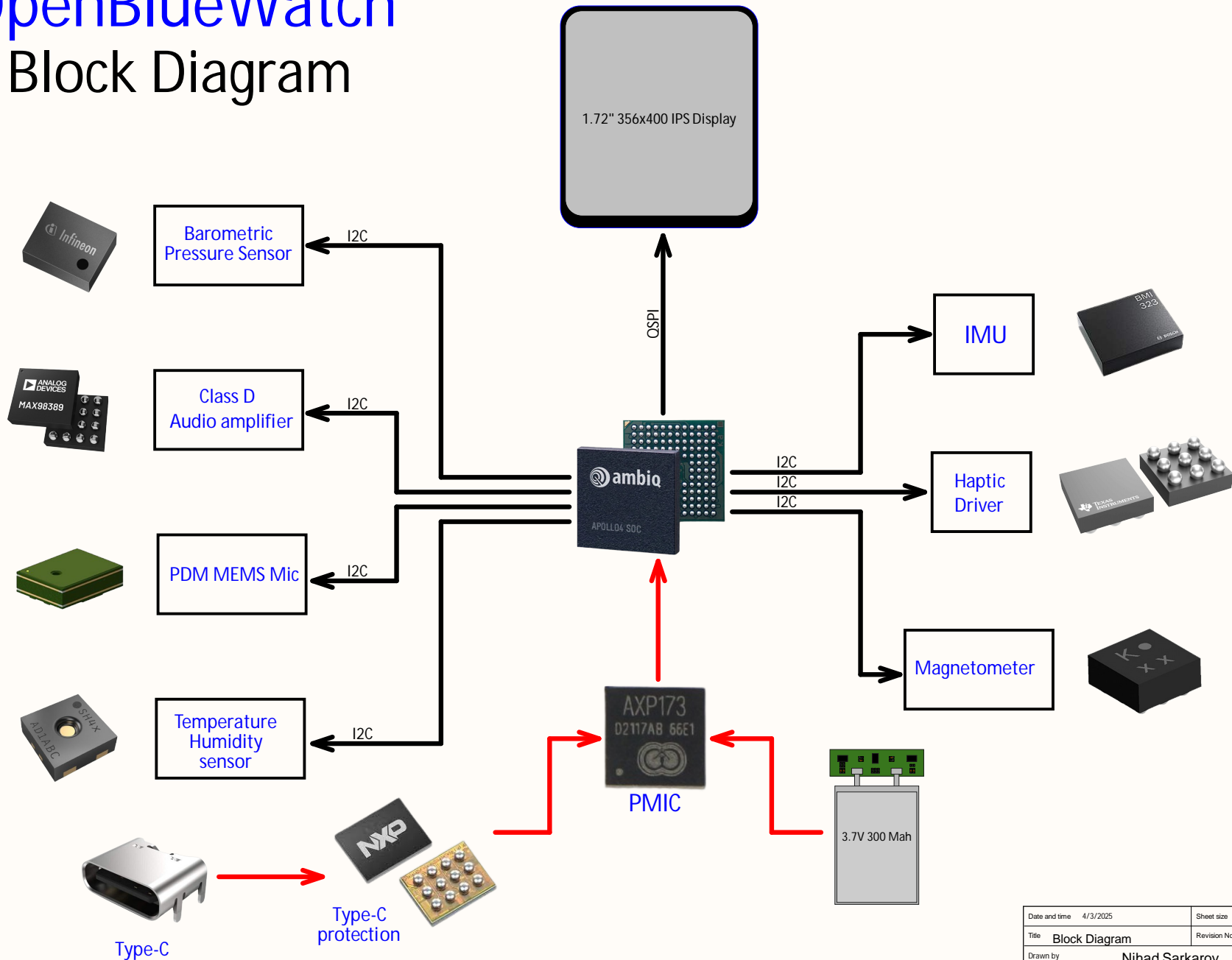


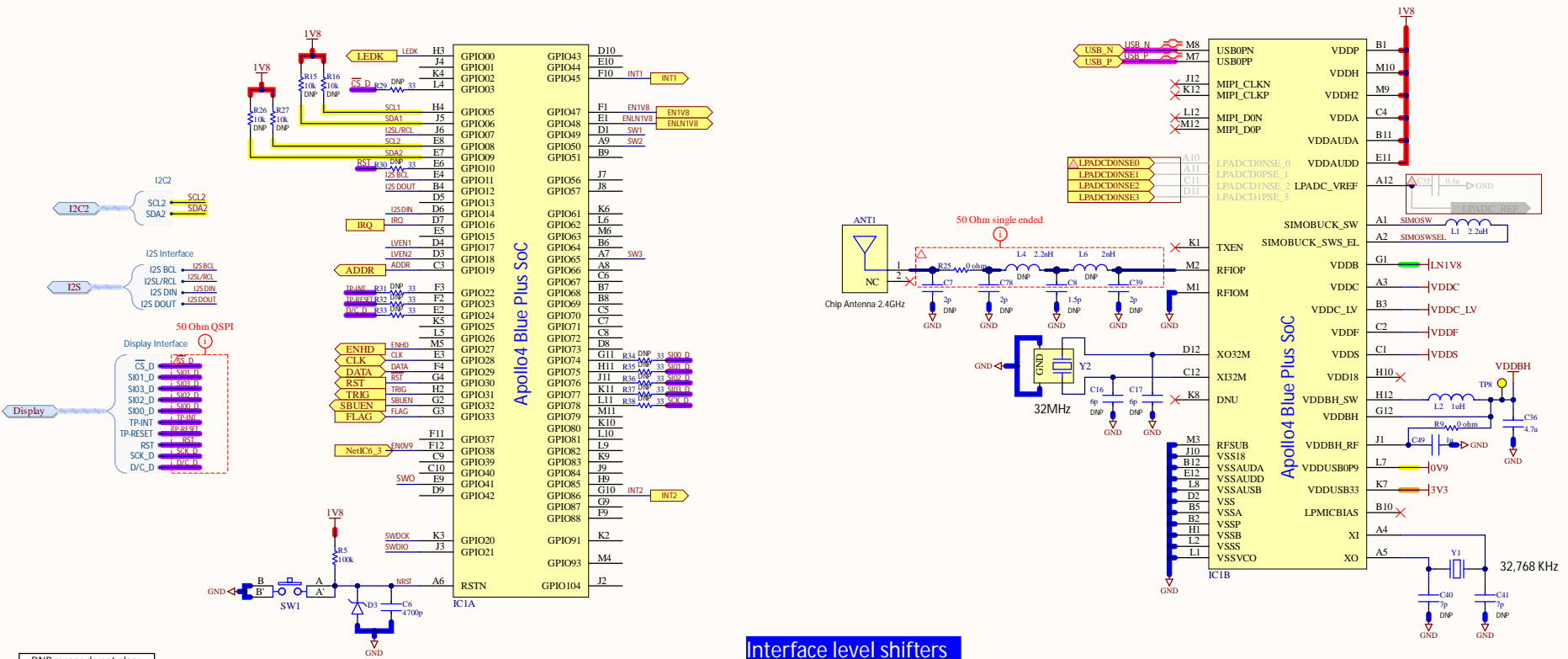
OpenBlueWatch

Block Diagram



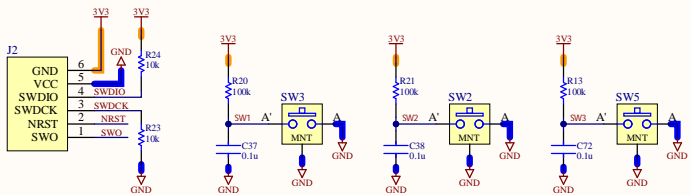
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Drawn by	Nihad Sarkarov			
File name	Block diagram.SchDoc	Sheet	1 OF 4	

OpenBlueWatch

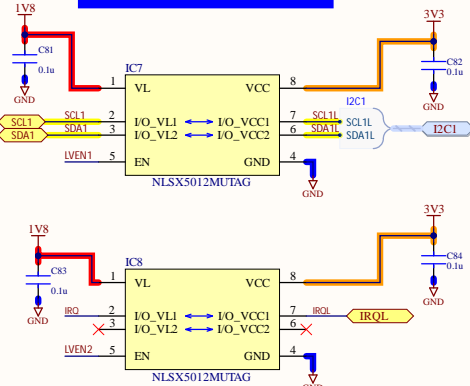


DNP means do not place

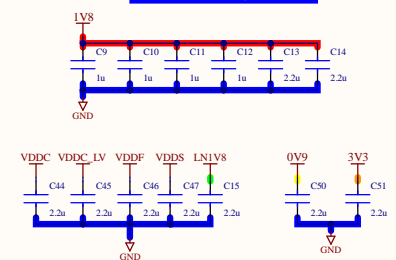
Switches and debug connector




Interface level shifters

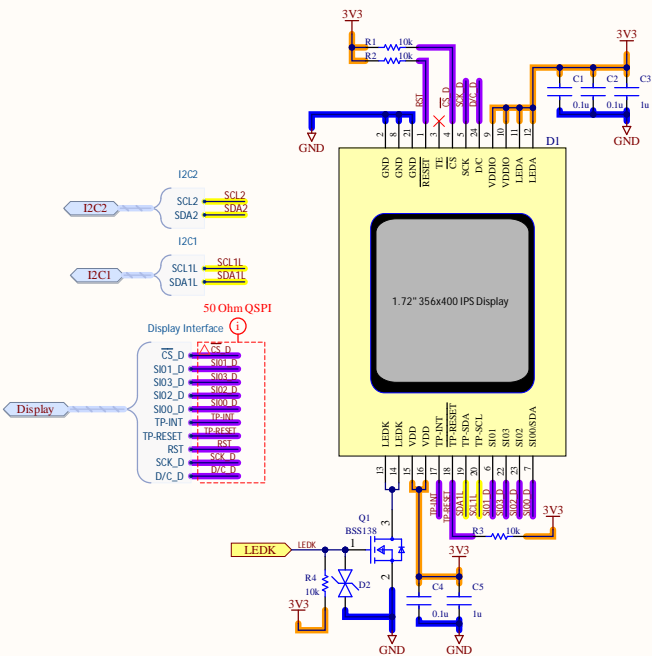


Decoupling caps

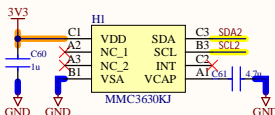


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Drawn by	Nihad Sarkarov			
File name	MCU SchDoc	Sheet	2 OF 4	

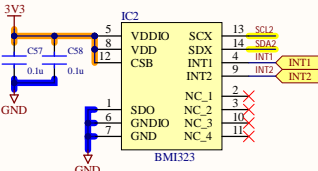
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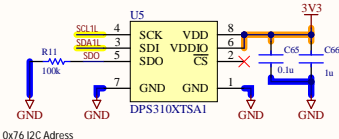
Magnetometer



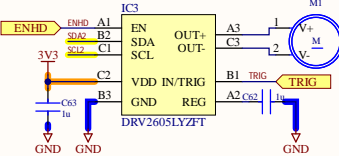
Accelerometer, Gyroscope



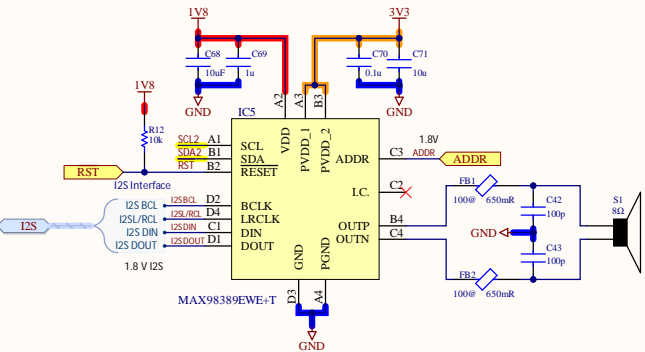
Barometric Pressure Sensor



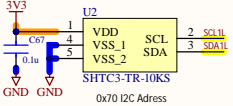
Haptic Driver



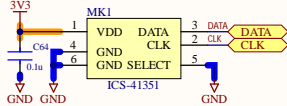
Class D audio amplifier



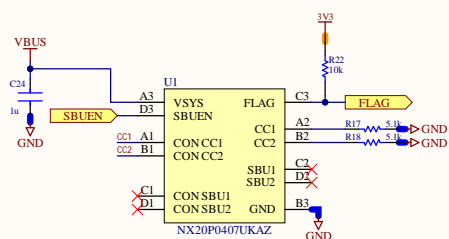
Humidity and Temperature



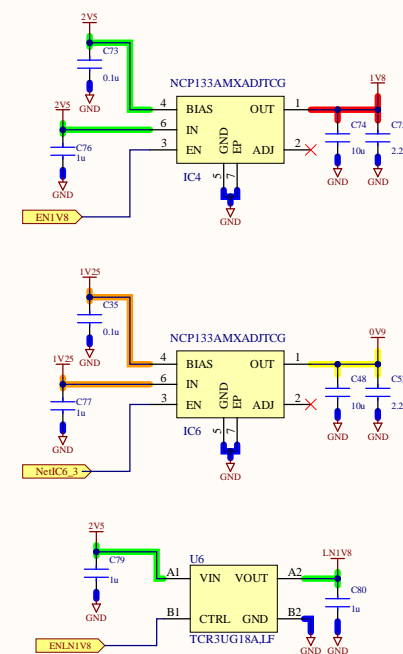
PDM MEMS Mic




Type-C protection



Low noise LDOs



Date and time	4/3/2025	Sheet size	A3	 CIRCUITCRAFTSMASH
Title	Power	Revision No	4	
Drawn by	Nihad Sarkarov			
File name	PowerSchDoc	Sheet	4 OF 4	