

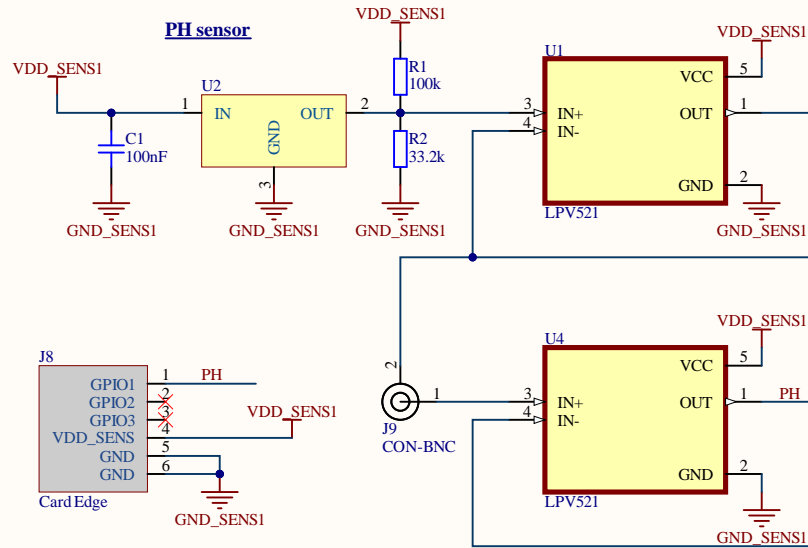
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2

3

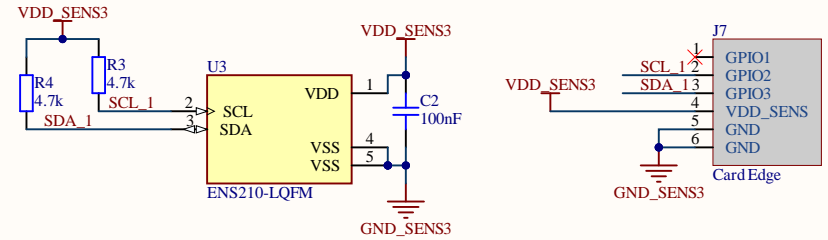
4

PH sensor

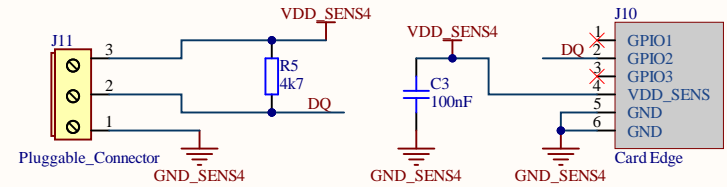


GPIO1 | GPIO2 | GPIO3
analog | SCL | SDA

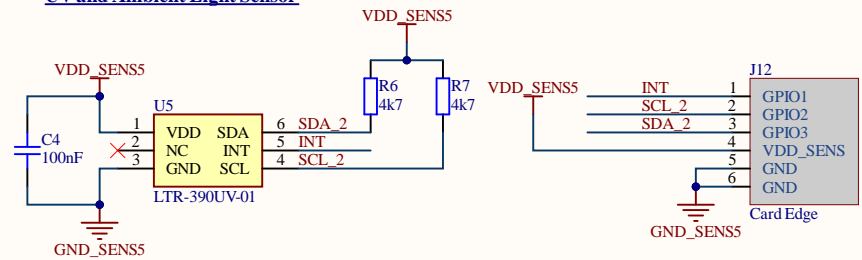
Temperature & Humidity Sensor



Temperature Sensor



UV and Ambient Light Sensor



Title			
Size	Number	Expansion_sens	
A4		Revision 1	
Date:	1-22-2024	Sheet1 of 2	
File:	D:\facultate\...\Sensors.SchDoc	Drawn By:	Cristian Oprea

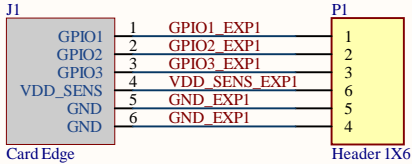
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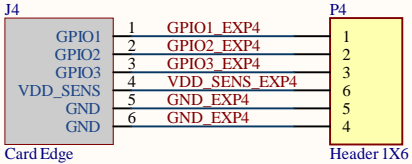
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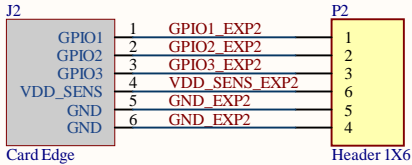
EXP1



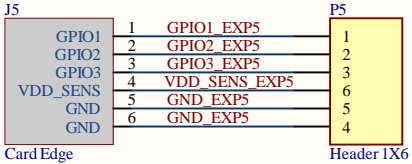
EXP4



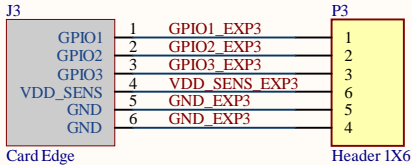
EXP2



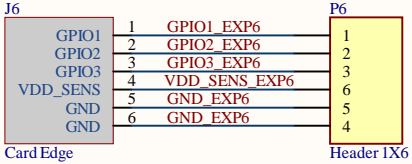
EXP5



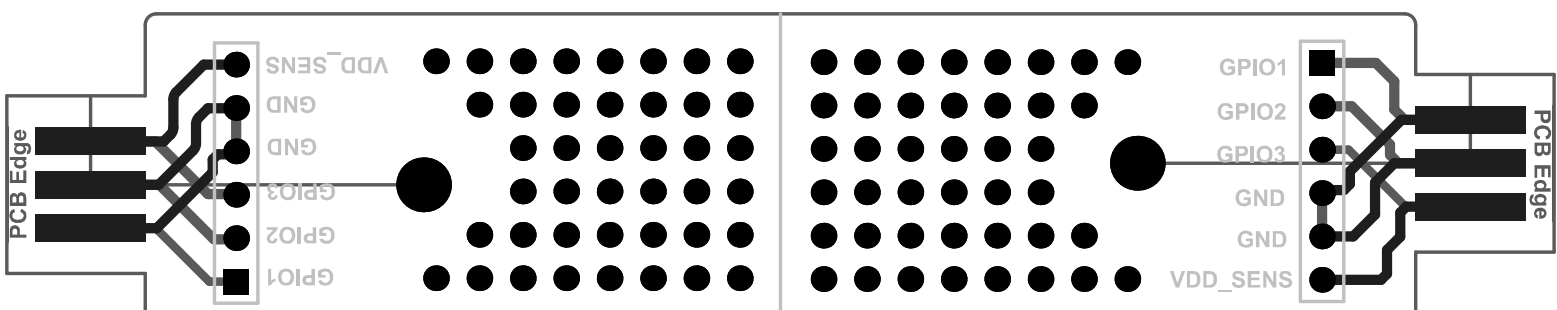
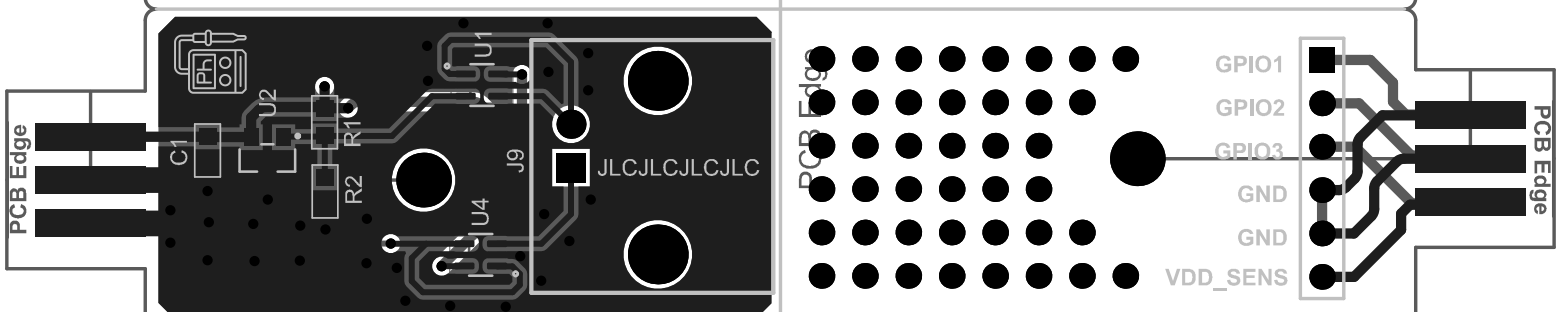
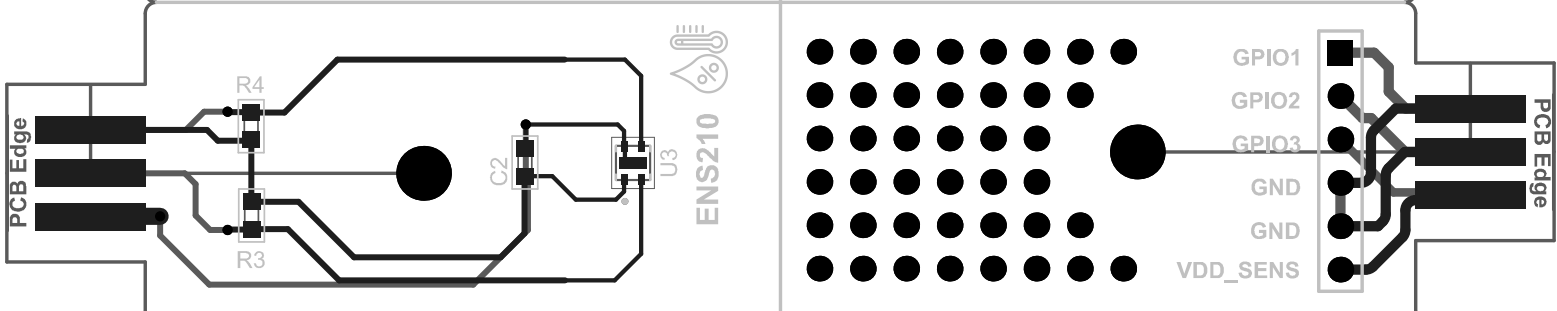
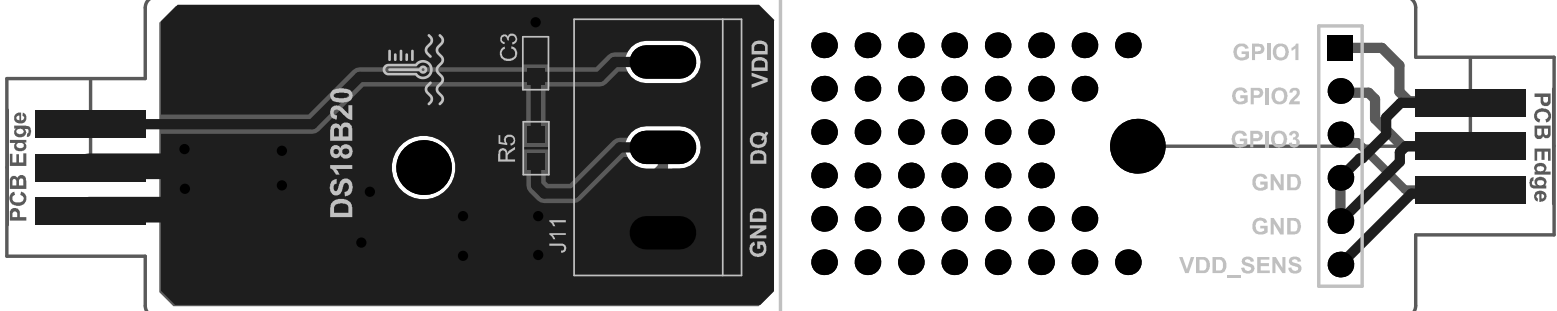
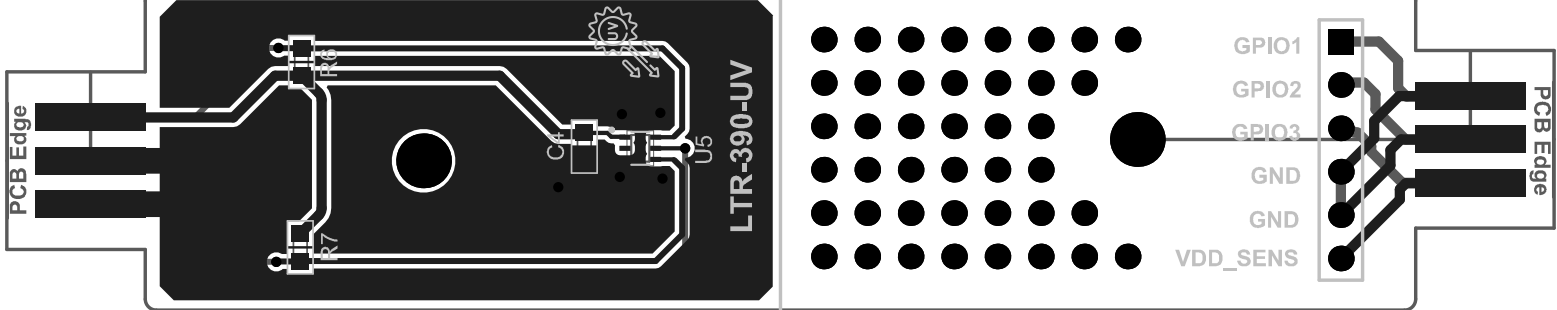
EXP3



EXP6



Title		
Size A4	Number Expansion_blank	Revision 1
Date: 1-22-2024	Sheet2 of 2	
File: D:\facultate\...\Blank.SchDoc	Drawn By: Cristian Oprea	



Comment	Description	Designator	Footprint	LibRef	Quantity
100nF	Capacitor SMD 0603	C1, C2, C3, C4	C0603	CAP_0603	4
Card Edge	Card Edge pads for 2.54 mm pitch edge connector	J1, J2, J3, J4, J5, J6, J7, J8, J10, J12	Card Edge	Card Edge	10
CON-BNC	RF Connector BNC Female 50 Ohms PCB TH Mount	J9	CON_BNC_MOLEX_0731375003	CON-BNC	1
Pluggable_Connector	Screw terminal or plug terminal	J11	5mm_screw_terminal_3_pos	Pluggable_Connector	1
Header 1X6	Header,6-Pin, Single row	P1, P2, P3, P4, P5, P6	HDR2X32	Header 1X6	6
100k	Resistor SMD 0603	R1	R0603	RES_0603	1
33.2k	Resistor SMD 0603	R2	R0603	RES_0603	1
4.7k	Resistor SMD 0603	R3, R4	R0603	RES_0603	2
4k7	Resistor SMD 0805	R5, R6, R7	R0603	RES_0805	3
LPV521		U1, U4	SOT65P210X110-5N	LPV521	2
ADR5040BKSZ-REEL7	Voltage References 2.048 Low-Cost, Micropower, Low-Dropout, High-Output-Current, SOT23	U2	SOT23-3	VREF	1
ENS210-LQFM	Humidity/Temperature Sensor Digital Serial (2-Wire, I2C) 4-Pin QFN EP T/R	U3	XDCR_ENS210-LQFM	ENS210-LQFM	1
LTR-390UV-01	SENSOR OPT ULTRAVIOLET 6PINS	U5	LTR390-UV	LTR-390UV-01	1