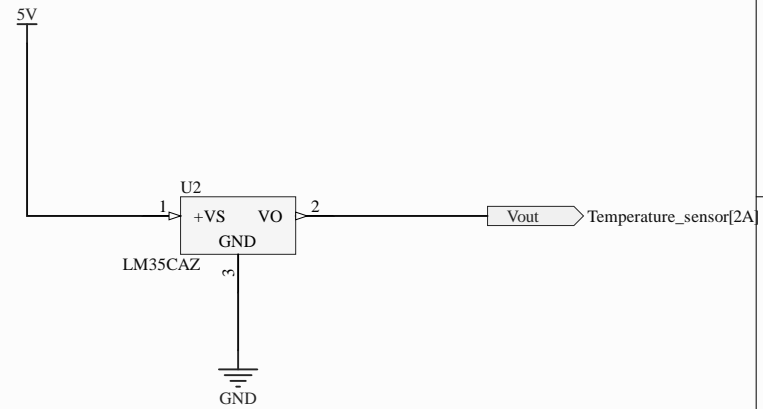
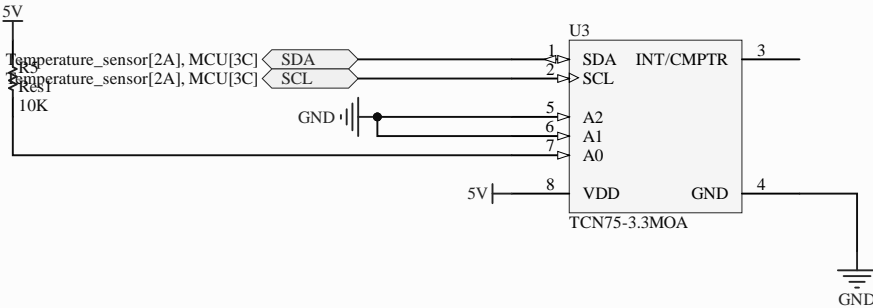
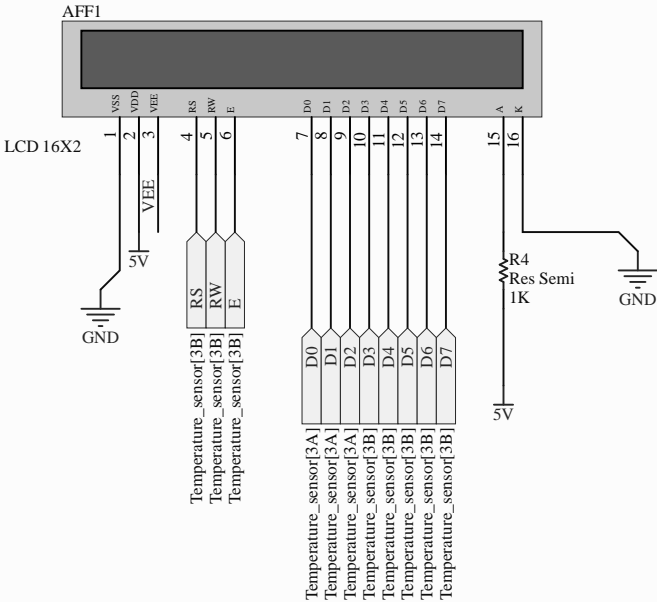
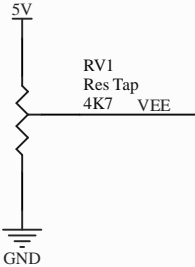


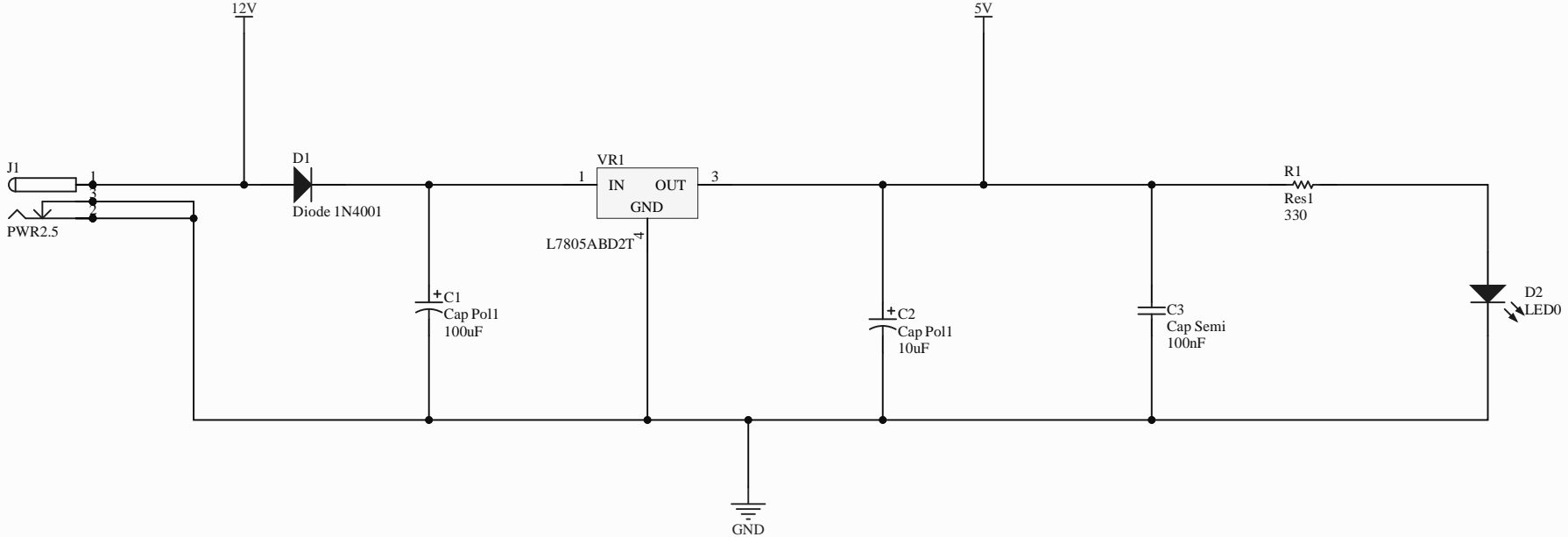
Title			Temperature sensor	
Size	Number		Revision	
A4	1		1	
Date:	5/12/2023		Sheet 5 of	5
File:	C:\Users\...\Temperature_sensor.SchDoc		Drawn By:	



Title		
Sensor		
Size	Number	Revision
A4	1	1
Date:	5/12/2023	Sheet 2 of 5
File:	C:\Users\...\Sensor.SchDoc	Drawn By:



Title				Afficheur LCD 16X2			
Size		Number			Revision		
A4		1			1		
Date:		5/12/2023			Sheet 3 of 5		
File:		C:\Users\...\AFF.SchDoc			Drawn By:		

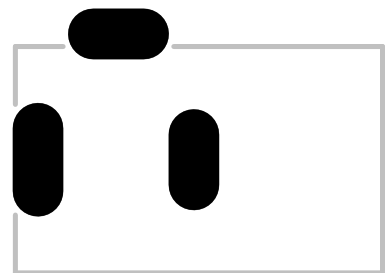


Title			POWER	
Size	Number		Revision	
A4	1		1	
Date:	5/12/2023		Sheet 4 of 5	
File:	C:\Users\...\Power.SchDoc		Drawn By:	

VR1



J1

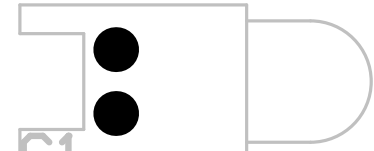


Assign keep-out area to slot
Align PCB fab to slot details
Mech 1 - Slot cut-out
Mech 2 - Clearance, move to internal plane if present

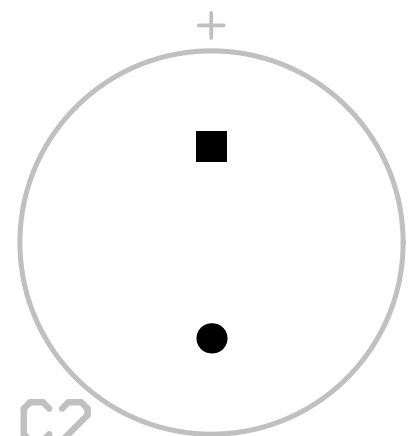
R1



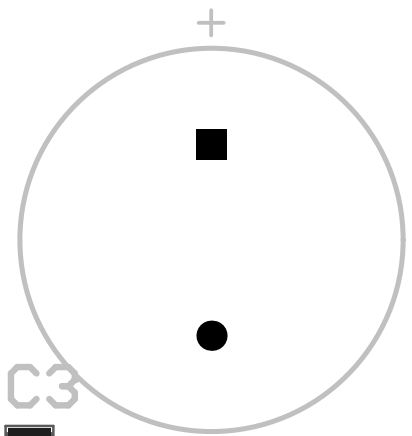
B2



C1



C2



C3



D1



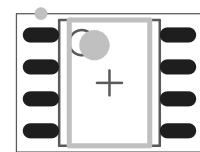
U2



R5



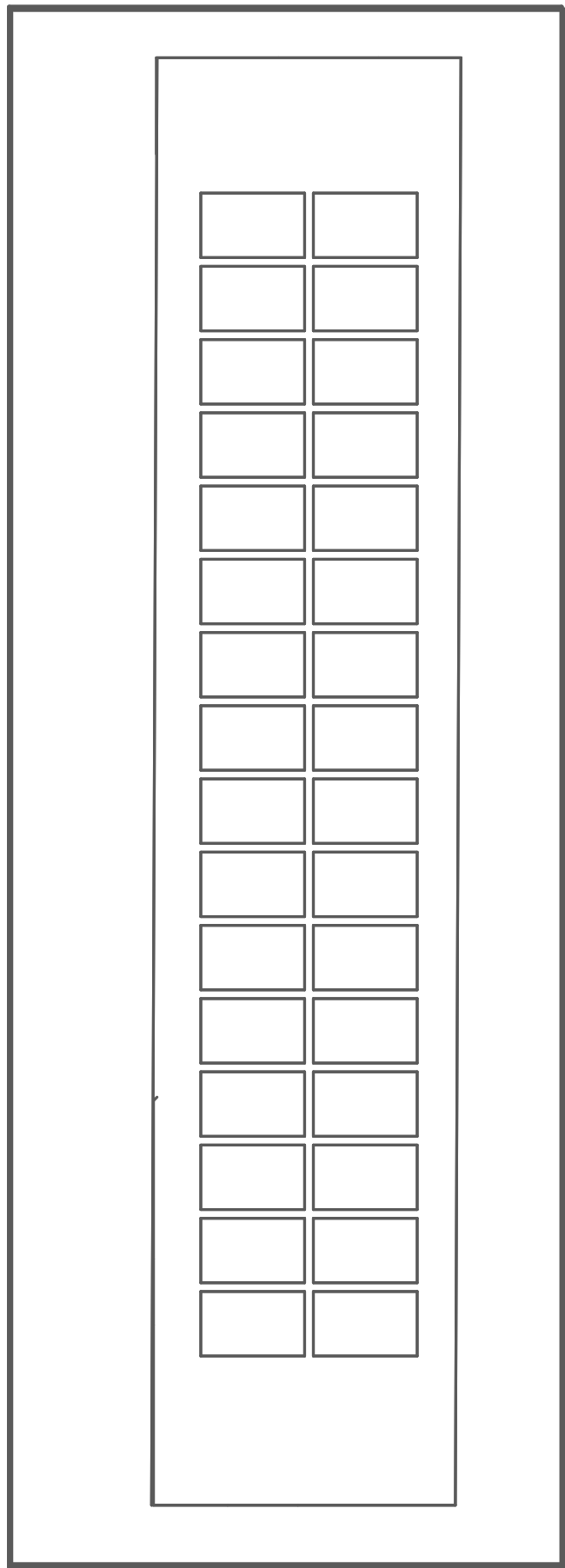
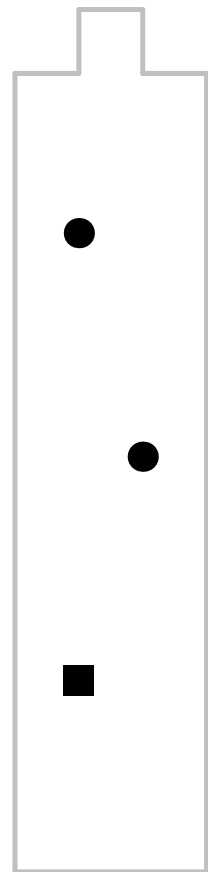
U3



R4



RV1



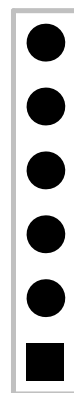
X1



U1



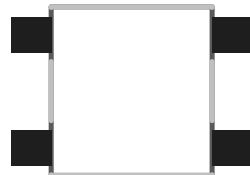
ICSP



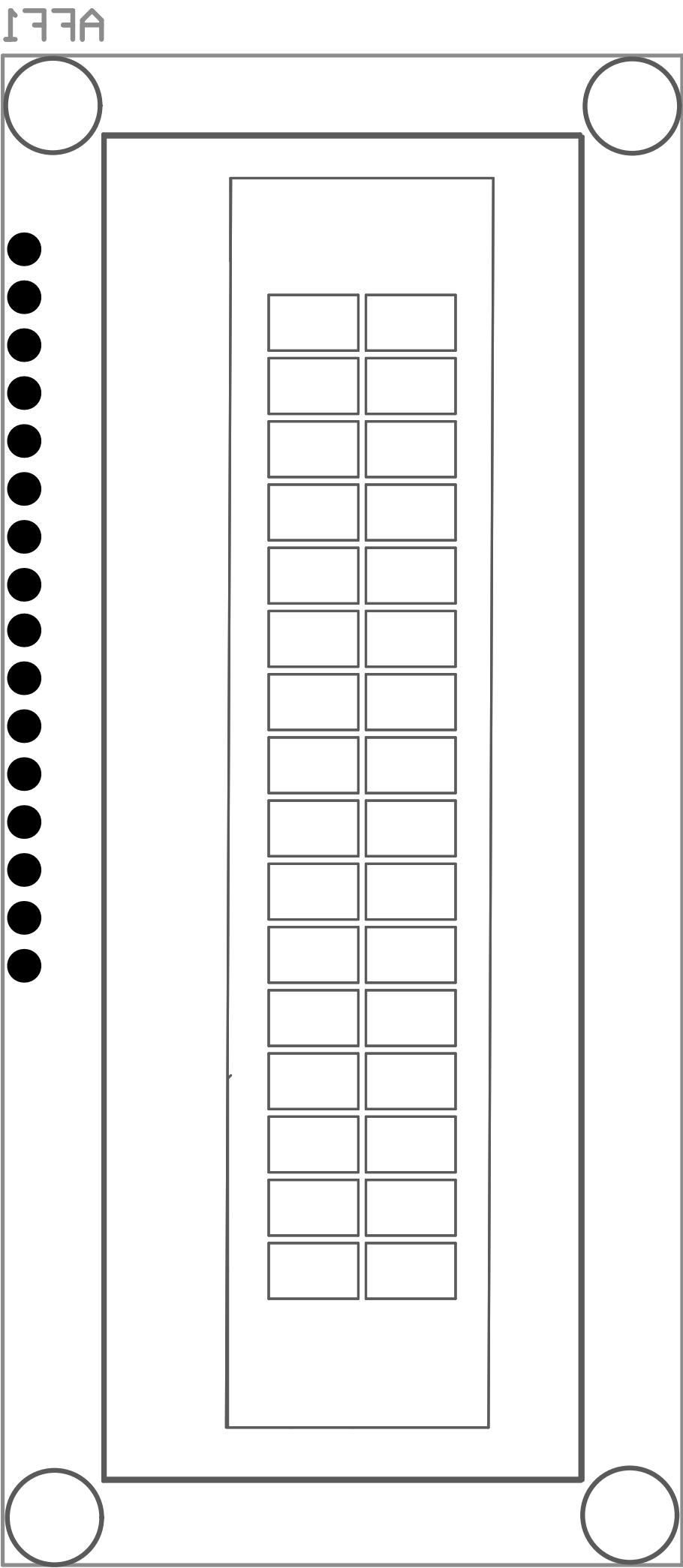
C6



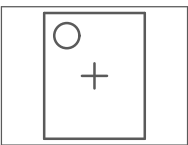
B1



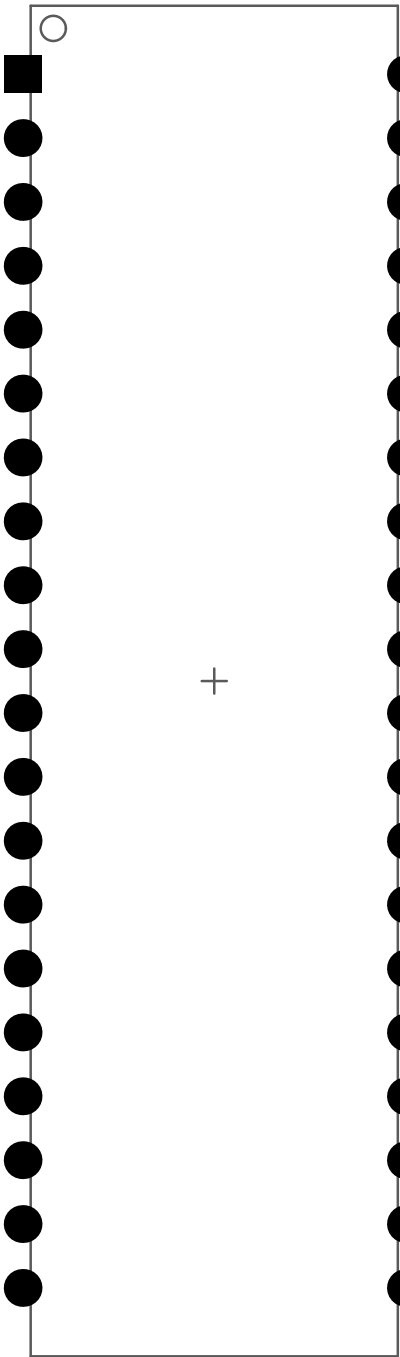
+



C4



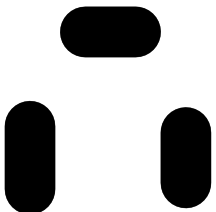
C2



+



R2



Assign keep-out area to slot
After PCB fab to slot details
Mech 1 - Slot cut-out
Mech 2 - Clearance, move to internal plane if present



Comment	Description	Designator	Footprint	LibRef	Quantity
LCD 16X2		AFF1	lcd 16x2	AFF	1
PB		B1	Push button	PB	1
Cap Pol1	Polarized Capacitor (Radial)	C1, C2	RB7.6-15	Cap Pol1	2
Cap Semi	Capacitor (Semiconductor SIM Model)	C3, C4, C5, C6	C1206	Cap Semi	4
Diode 1N4001	1 Amp General Purpose Rectifier	D1	DO-41	Diode 1N4001	1
LED0	Typical INFRARED GaAs LED	D2	LED-0	LED0	1
Header 6	Header, 6-Pin	ICSP	HDR1X6	Header 6	1
PWR2.5	Low Voltage Power Supply Connector	J1	KLD-0202	PWR2.5	1
Res1	Resistor	R1, R5	0805	Res1	2
Res2	Resistor	R2	0805	Res2	1
Res Semi	Semiconductor Resistor	R4	0805	Res Semi	1
Res Tap	Tapped Resistor	RV1	VR3	Res Tap	1
PIC18F4520-E/P	Enhanced Flash Microcontroller with 10-Bit A/D and nanoWatt Technology, 32K Flash, 40-Pin PDIP, Extended Temperature Range	U1	PDIP600-P40	PIC18F4520-E/P	1
LM35CAZ	Precision Centigrade Temperature Sensor, 3-pin TO-92	U2	Z03A	LM35CAZ	1
TCN75-3.3MOA		U3	SOIC127P600X175-8N	TCN75	1
L7805ABD2T	Precision 1A Regulator	VR1	TO-263	L7805ABD2T	1
XTAL	Crystal Oscillator	X1	R38	XTAL	1