

Empty schematic sheet... You will find only the "Ports" needed to be compatible with the rest of the schematic...

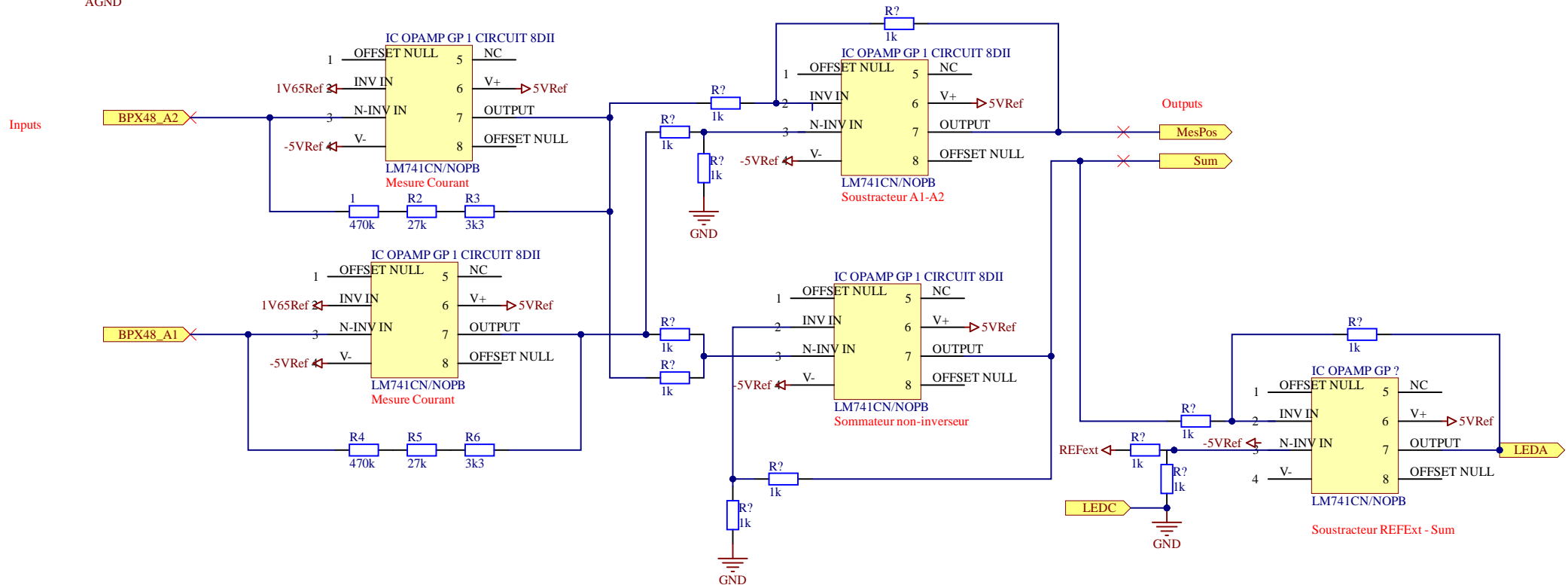
You have to realize the schematic with your components and your ideas :)

Maybe you will have to create new components wich would not yet exist in the library "Balance.SchLib"

Don't forget !

Don't move to the PCB before :

- all schematic components have their footprint
- no error when compiling



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Title **MSE - CSYEI : Position measurement**

Size: A4	Project:	No. <no>	SVN OUI	Version 2.1
Date: 24.04.2021	Sheet 6 of 8	Author: BKO + PKI		
File: PositionMeasurement.SchDoc				

Comment	Description	Designator	Footprint	LibRef	Quantity
470k	Resistor	1.R4	RES2012N	Res_470k	2
100nF	Capacitor	C1, C6, C9, C12, C13, C14, C19, C24, C25, C27, C28, C33, C42, C54, C57, C59, C60, C61, C62, C63	CAPC2012N	Cap_100nF	20
1uF	Capacitor	C2, C4, C17, C18, C21, C22, C39, C43, C52	CAPC2012N	Cap_1uF	9
10pF	Capacitor	C3, C15, C20, C22	CAPC2012N	Cap_10pF	4
1uF	Capacitor	C5	CAP2824	Cap_1uF_Plastic	1
18pF	Capacitor	C7, C8	CAPC2012N	Cap_18pF	2
10nF	Capacitor	C10, C20, C26, C29, C30, C45, C46, C47	CAPC2012N	Cap_10nF	8
100pF	Capacitor	C11, C23, C35, C64, C65, C66, C67, C68, C69, C73	CAPC2012N	Cap_100pF	10
10uF	Capacitor	C16, C31, C53	CAP1206	Cap_10uF	3
4.7nF	Capacitor	C31, C36	CAPC2012N	Cap_4.7nF	2
1nF	Capacitor	C40	CAPC2012N	Cap_1nF	1
2.2uF	Capacitor	C48	CAPC2012N	Cap_2.2uF	1
48uF	Capacitor	C50, C71	CAP1206	Cap_48uF	2
22nF	Capacitor	C55	CAPC2012N	Cap_22nF	1
470nF	Capacitor	C56	CAPC2012N	Cap_470nF	1
BA154C		D1, D2, D3, D15	SOT23-3N	BA154C	4
PESD12VL18A		D4	SOD323	PESD12VL18A	1
LED		D7, D14	LED2012N	LED_Rouge_0805, LED_Green_0805	2
BA570-04		D8, D9, D10, D11, D12, D13	SOT23-3N	BA570-04	6
1A	MFU0805FF01000P100	F1	RES2012N	Fuse_1A	1
Mhole M3		H1, H2, H3, H4	MHOLE_M3.0	M3	4
LogoHEG		H1	LOGO_HEG_VD_TOP/solder TOP	LogoHEG	1
LogoIAI		H2	LOGO_IAI_TOP	LogoIAI	1
LM741CN/NOPB	IC OPAMP GP 1 CIRCUIT 80II	IC OPAMP GP 1 CIRCUIT 80II, IC OPAMP GP 7		LM741CN/NOPB	5
1mH		L1, L2	B82477G4	B82477G4105M	2
Bead		L3, L4, L5, L6, L7, L9, L10	RES2012N	Bead	7
62uH		L8	SMT1206A-620uH	SMT1206A-620uH	1
ACM9070		L11	ACM9070	ACM9070	1
Connector	Header, 6-Pin	P1	HEADER_6	Header 6	1
FDV301N		Q1, Q2	SOT23-3N	FDV301N	2
FDN389P	MOSET P	Q3, Q4	SOT23-3N	FDN389P	2
27k	Resistor	R2, R5	RES2012N	Res_27k	2
4k7	Resistor	R3, R4, R12	RES2012N	Res_4k7	3
3k3	Resistor	R3, R6, R69	RES2012N	Res_3k3	3
1M	Resistor	R5, R14	RES2012N	Res_1M	2
10k	Resistor	R7, R13, R18, R42, R63, R70	RES2012N	Res_10k	6
150R	Resistor	R16, R17, R40, R41	RES2012N	Res_150R	4
1k	Resistor	R19, R66, R7	RES2012N	Res_1k, Res_1k	14
4k8	Resistor	R20	RES2012N	Res_4k8	1
56k	Resistor	R21, R25, R28, R32, R33, R39	RES2012N	Res_56k	6
18k	Resistor	R22, R24	RES2012N	Res_18k	2
22R	Resistor	R23, R30, R37, R51, R52, R53	RES2012N	Res_22R	6
1R	Resistor	R26, R27	RES2012N	Res_1R	2
62k	Resistor	R29, R31	RES2012N	Res_62k	2
100k	Resistor	R34, R36, R62	RES2012N	Res_100k	3
180k	Resistor	R35, R38	RES2012N	Res_180k	2
0R	Resistor	R64, R65, R66	RES2012N	Res_0R	3
56R	Resistor	R67	RES2012N	Res_56R	1
SW_P15810	Switch	S1	SW_P15810	SW_P15810	1
TP	-Value	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP19, TP20, TP21, TP25, TP27, TP28, TP29, TP31, TP32, TP33, TP34, TP35, TP36, TP37, TP38, TP39, TP40, TP41, TP42	Testpoint	TP	36
TouchPad10mm		TP18, TP24	TouchPad10mm	TouchPad10mm	2
SIP2100		U1	SOIC8	SIP2100	1
AT42QT1012-TSHR	One-channel Toggle-mode Touch Sensor IC with Power Management Functions, -40° to +85°C, 6-pin SOT23	U2, U3	SOT-23-6	AT42QT1012-TSHR	2
ADB648AR2	Quad Channel Wide-Bandwidth Operational Amplifier, 22 MHz BW, 12 V/us SR, Industrial, 14-pin SOIC (R-14), Tube	U4	ADI-R-14_M	ADB648AR2	1
EA-DOGM132	Chip On Glass Graphic LCD	A6	EA-DOGM132_WITH_BACKLIGHT	DOGM_132-5	1
dsPIC33EP256MJB06-UPT	16-Bit Digital Signal Processor	U8	TQFP64	dsPIC33EP256MJB06-UPT	1
TPS78233DDCR	Single Output LDO, 150 mA, Fixed 3.3 V Output, 2.2 to 5.5 V Input, with 0.5 uA Quiescent Current, 5-pin SOT (DDC), -40 to 125 degC, Green (RoHS & no Sb/Br)	U9	SOT-23-5	TPS78233DDCR	1
LM2842N/MK-ADJL/NOPB	600 mA up to 42V Input Step-Down DC/DC Regulator, Thin 6-pin SOT23, Pb-Free, 1000 Reel	U10	SOT-23-6	LM2842N/MK-ADJL/NOPB	1
LM120M5-3.3		U11	SOT-23-5	LM120M5-3.3	1
RLAMP0504S		U12	SOT-23-6	RLAMP0504S TCT	1
MicroMatchip		X1, X2, X3, X4	MicroMatchip	MicroMatchip	4
Fiche Banane Rouge 4mm		X5	BANANE	Fiche Banane Rouge 4mm	1
Fiche Banane Noire 4mm		X6	BANANE	Fiche Banane Noire 4mm	1
Micro USB B		X7	Micro_USB_ZX62-B-SPAL(3)	Micro_USB_ZX62-B-SPAL(3)	1
XTAL	Crystal Oscillator	Y1	CRYSTAL_ABMM	XTAL	1