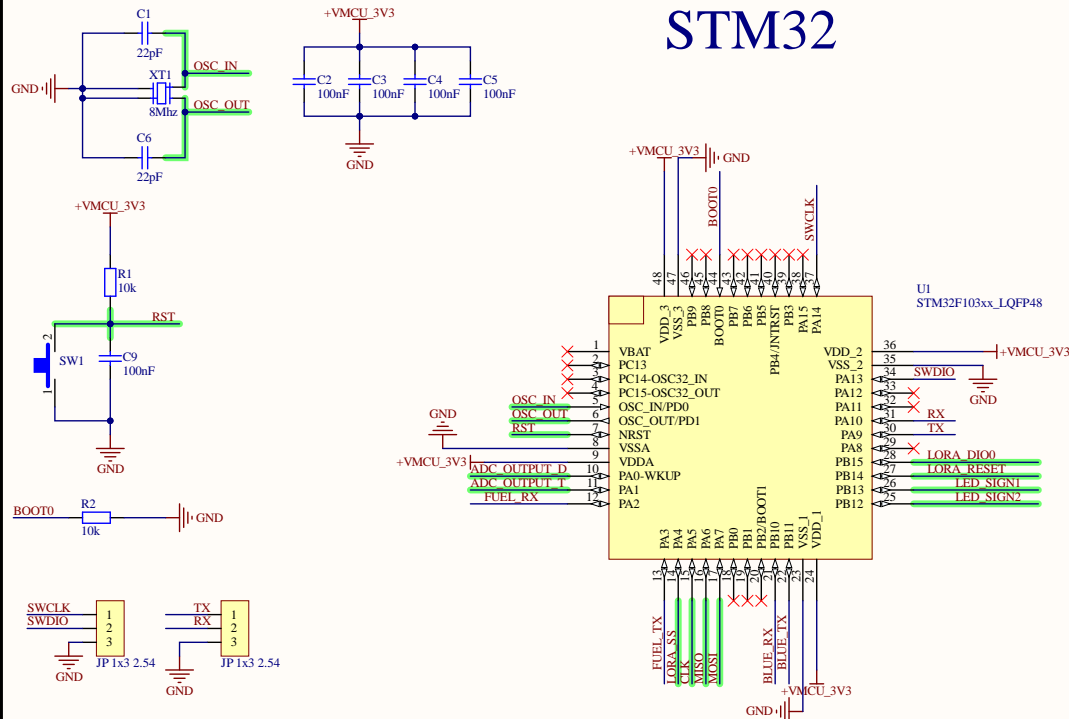
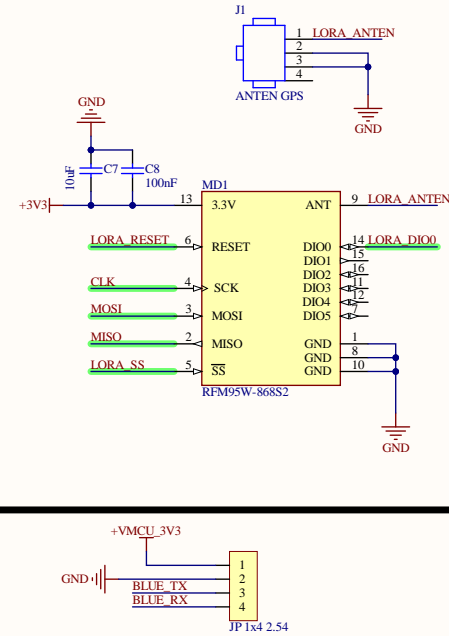


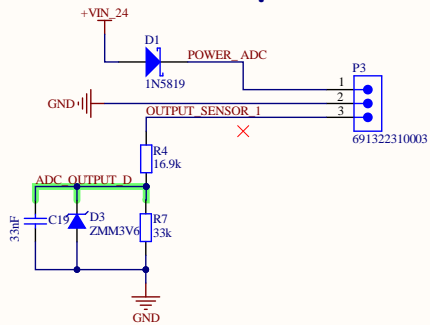
# STM32



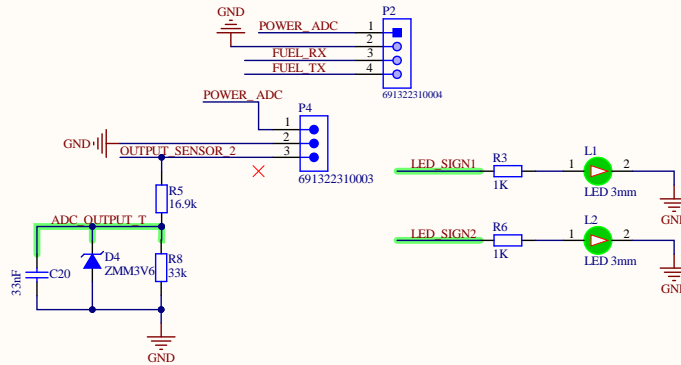
# LORA SX1278




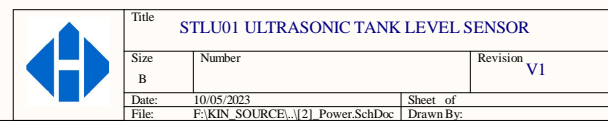
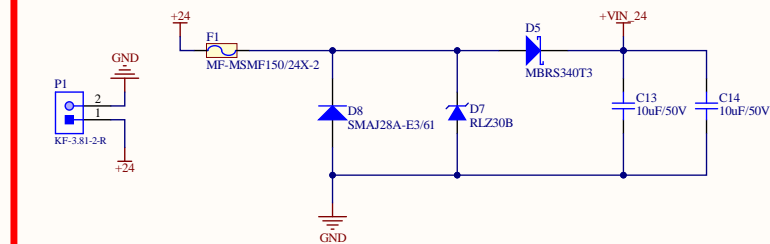
# CẢM BIẾN LƯỢNG DẦU

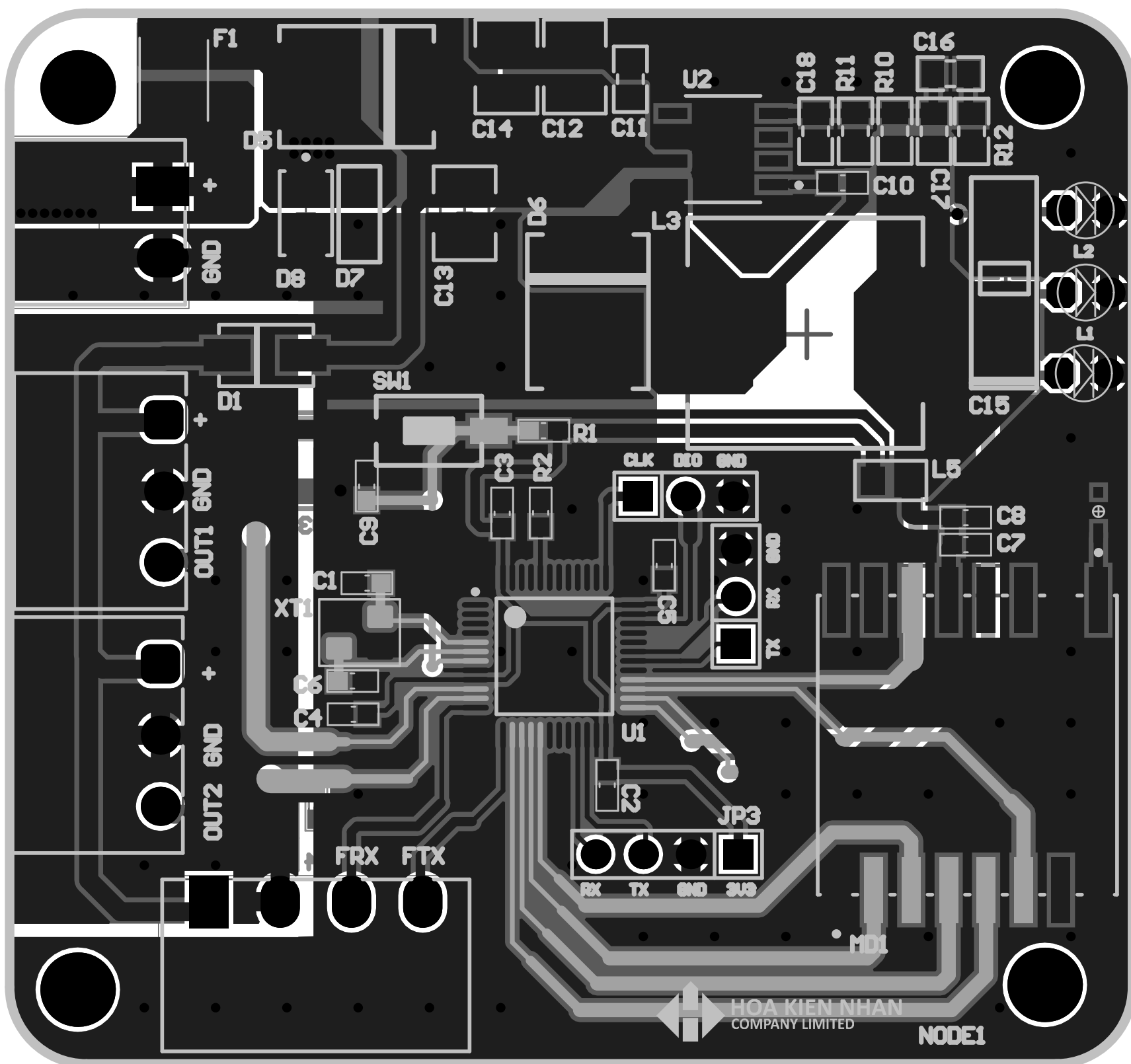


# CẢM BIẾN TRỌNG LƯỢNG



	Title STLU01 ULTRASONIC TANK LEVEL SENSOR		
	Size B	Number	Revision V1
	Date: 10/05/2023	Sheet of	
	File: F:\KIN_SOURCE\11_STLU01.SchDoc Drawn By:		





Comment	Description	Designator	Footprint	LibRef	Quantity
22pF	Dán	C1, C6	tu 0603	Tu 0603 101 50V 10%	2
100nF	Dán	C2, C3, C4, C5, C8, C9	tu 0603	Tu 0603 104 50V 10%, Tu 0603 105 50V 10%	6
10uF	Dán	C7	tu 0603	Tu 0603 105 16V 20%	1
0.01uF	Dán	C10	tu 0603	Tu 0603 105 16V 20%	1
100nF	Dán	C11, C16	tu 0805	Tu 0805 10pF 50V 10%	2
10uF/50V	CAP CER 10uF/50V 1210	C12, C13, C14	1210	CAP_CER_1210_10uF	3
100uF/10V	CAP TANT 100uF/10V 2312	C15	2312	CAP_TANT_2312_100uF	1
1.5nF	Dán	C17	tu 0805	Tu 0805 10pF 50V 10%	1
150pF	Dán	C18	tu 0805	Tu 0805 10pF 50V 10%	1
33nF	Dán	C19, C20	tu 0603	Tu 0603 105 16V 20%	2
1N5819	DIODE SCHOTTKY 1A 40V SMA DO-214AA	D1	DO-214AA	DIO_SS14	1
ZMM3V6	ZMM3V6 3.6V 500mW SMD SOD-80	D3, D4	SOD_80	DIO_ZMM3V6	2
MBRS340T3	DIODE SCHOTTKY 4A 40V SMC DO-214AB	D5, D6	DO214AB_SMC	DIO_MBR340T3	2
RLZ30B	ZMM15 15V 500mW SMD SOD-80	D7	SOD_80	DIO_ZMM15	1
SMAJ28A-E3/61	Transient Voltage Suppressor, 6.40 to 231 V, 28 V Stand-off Voltage, Uni-Directional, -55 to 155 degC, 2-pin DO-214AC, Pb-Free, Tape and Reel	D8	VISH-DO-214AC-2_L	CMP-0548-00227-2	1
MF-MSMF150/24X-2	MF-MSMF250/16 16V 2.5A1812	F1	1812	FUSE_16V_2.5A	1
ANTEN GPS	RF Connector, Onboard Receptacle, IPEX MHFIII	J1	TG-RECE-20369-001E-4_V	CMP-0275-00001-2	1
JP 1x3 2.54	Cắm	JP1, JP2	JP 1x3 DT	JP 1x3 2.54 Duc Thang	2
JP 1x4 2.54	Cắm	JP3	JP 1x4 DT	JP 1x4 2.54 Duc Thang	1
LED 3mm	Cắm	L1, L2	LED-3MM-GREEN	LED 3mm Xanh La	2
68uH/3.2A	CDRH127 IND 68uH 3.2A 12x12x8	L3	IND-12_12_8	IND_68uH_3.2A_1280	1
LED 3mm	Cắm	L4	LED-3MM-RED	LED 3mm Do	1
80Ohm/2.7A	FERRITE BEAD 2.7A 80 OHM 0805	L5	FER-0805 (2012)	FERRITE_BEAD_2.7A_80	1
RFM95W-868S2	RX TXRX MODULE ISM < 1GHZ SMD	MD1	FP-RFM95W-868S2-MFG	CMP-204316-000001-1	1
KF-3.81-2-R	Serie 322 - 3.81mm Horizontal PCB Header WVR-TBL, 2 pin	P1	691322310002	CMP-1502-01886-1	1
691322310004	Serie 322 - 3.81mm Horizontal PCB Header WVR-TBL, 4 pin	P2	691322310004	CMP-1502-01888-1	1
691322310003		P3, P4	691322310003	CMP-1502-01887-2	2
10k	Dán	R1, R2	tro smd 0603	Tro 0603 5% 10k	2
1K	Dán	R3, R6, R9	tro smd 0805	Tro 0805 5% 1k, Tro 0805 1% 5.1k	3
16.9k	Dán	R4, R5	tro smd 0805	Tro 0805 5% 1k	2
33k	Dán	R7, R8	tro smd 0805	Tro 0805 5% 1k	2
5.6k	Dán	R10, R11	tro smd 0805	Tro 0805 1% 5.1k	2
560	Dán	R12	tro smd 0805	Tro 0805 1% 5.1k	1
Tactile	SMD Mini Push Button Switch 2 Pin 3x6x2.7mm	SW1	SW 2P SMD	SW_SPDT_2PIN	1
STM32F103xx_LQFP48		U1	STM32_LQFP48	STM32F103xx_LQFP48	1
TPS5430DDA	IC REG BUCK ADJUSTABLE 3A 8SOPWR	U2	FP-DDA0008J-MFG	CMP-2000-04960-2	1
8Mhz	Crystal For all Crystal 2pin.	XT1	Thach Anh 4 chan 1	Thach Anh 4 Chan SMD	1