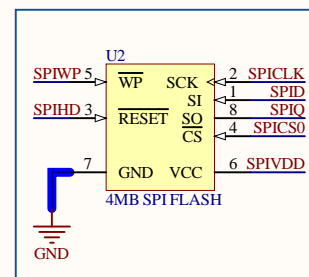
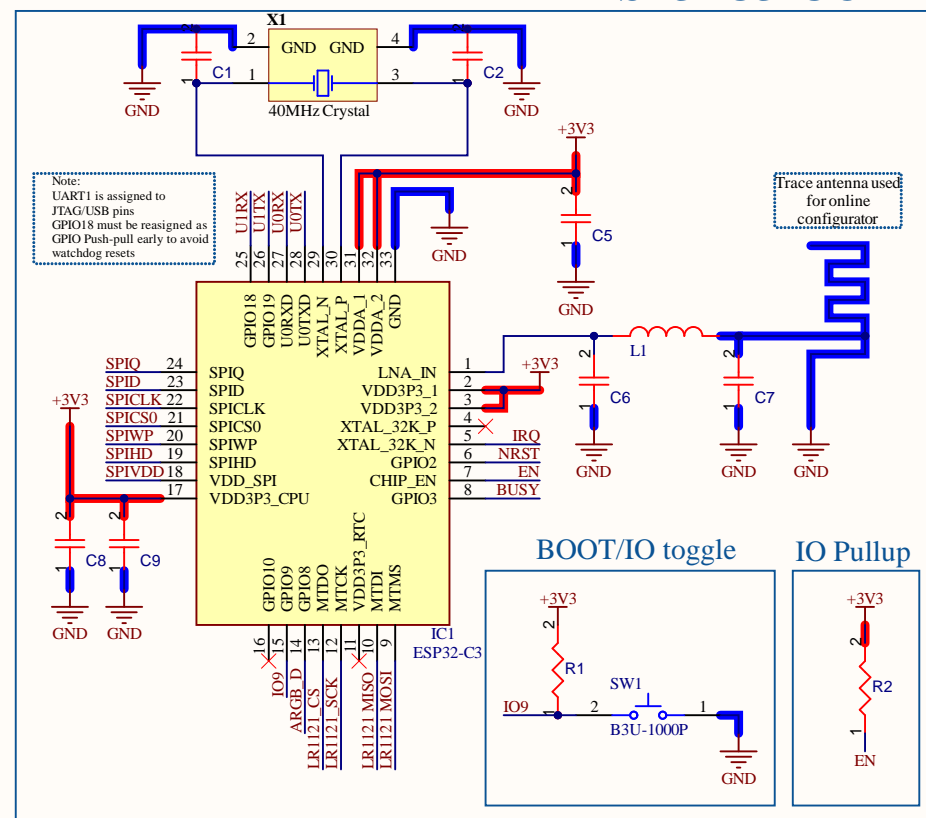
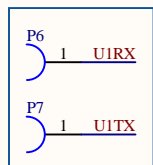
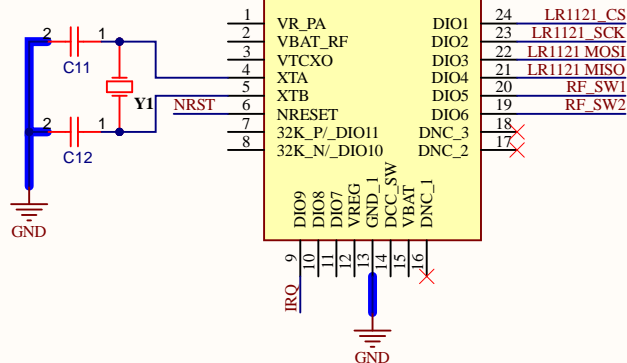
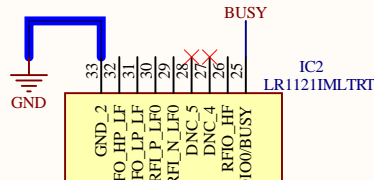
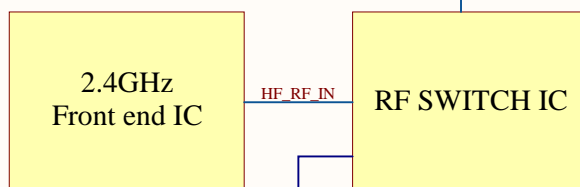
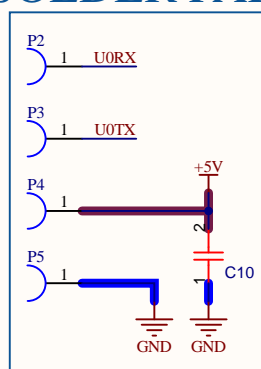
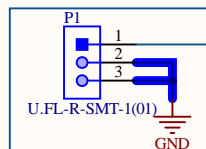
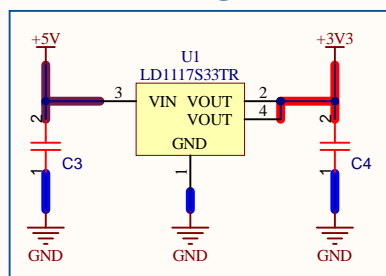



ESP32C3-CORE



TITLE *			
PROJECT	LAST MODIFIED 11/6/2025		
AUTHOR Lázár Sándor		URL www.lzrsystems.com	
PROJECT DESCRIPTION			REVISION
FILE NAME Main.SchDoc			SHEET 1 OF 1

Comment	Description	Designator	Footprint	LibRef	Quantity
Capacitors	Capacitor	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12		Capacitors	12
ESP32-C3	Integrated Circuit	IC1	QFN50P500X500X90- 33N-D	ESP32-C3	1
LR1121IMLTRT	Integrated Circuit	IC2	QFN50P500X500X100- 33N-D	LR1121IMLTRT	1
Inductors		L1		Inductors	1
U.FL-R-SMT-1(01)	Rf Connectors / Coaxial Connectors SMTMI Rec Au 50 Ohm W/anti Sldr Wicking	P1	HRS-U.FL-R-SMT-3_V	CMP-002-00083-1	1
Solder Pad 2x1.5mm	Solder Pad 2x1.5mm, 0.5mm hole	P2, P3, P4, P5, P6, P7	Solder Pad 2x1.5mm- Footprint-1	CMP-00001-1	6
Resistors	Resistor	R1, R2		Resistors	2
B3U-1000P	Tactile Switch, SPST- NO, 0.05 A, 12 V, -25 to 70 degC, 2-Pin SMD, RoHS, Tape and Reel	SW1	OMRON-B3U-1000_V	CMP-011-00000-2	1
LD1117S33TR	Low Drop Positive Voltage Regulator, 800 mA, Fixed 3.3 V Output, 0 to 125 degC, 3-Pin TO-220, RoHS, Tape and Reel	U1	STM-SOT-223_M	CMP-019-00019-3	1
4MB SPI FLASH	SPI Serial Flash Memory, 4-Mbit, 1.65 to 3.6 V, -40 to 85 degC, 8-Pin SOIC (8S1), RoHS, Tube	U2	ADST-8S1_M	CMP-019-00002-3	1
40MHz Crystal	Ceramic SMD Crystal, 40 MHz, +/- 20 ppm, 18 pF, -20 to 70 degC, 4- Pin SMD, RoHS, Tape and Reel	X1	ABRA-ABM3B-4_V	CMP-003-00020-2	1
Crystals & Oscillators	Crystal	Y1		Crystals & Oscillators	1