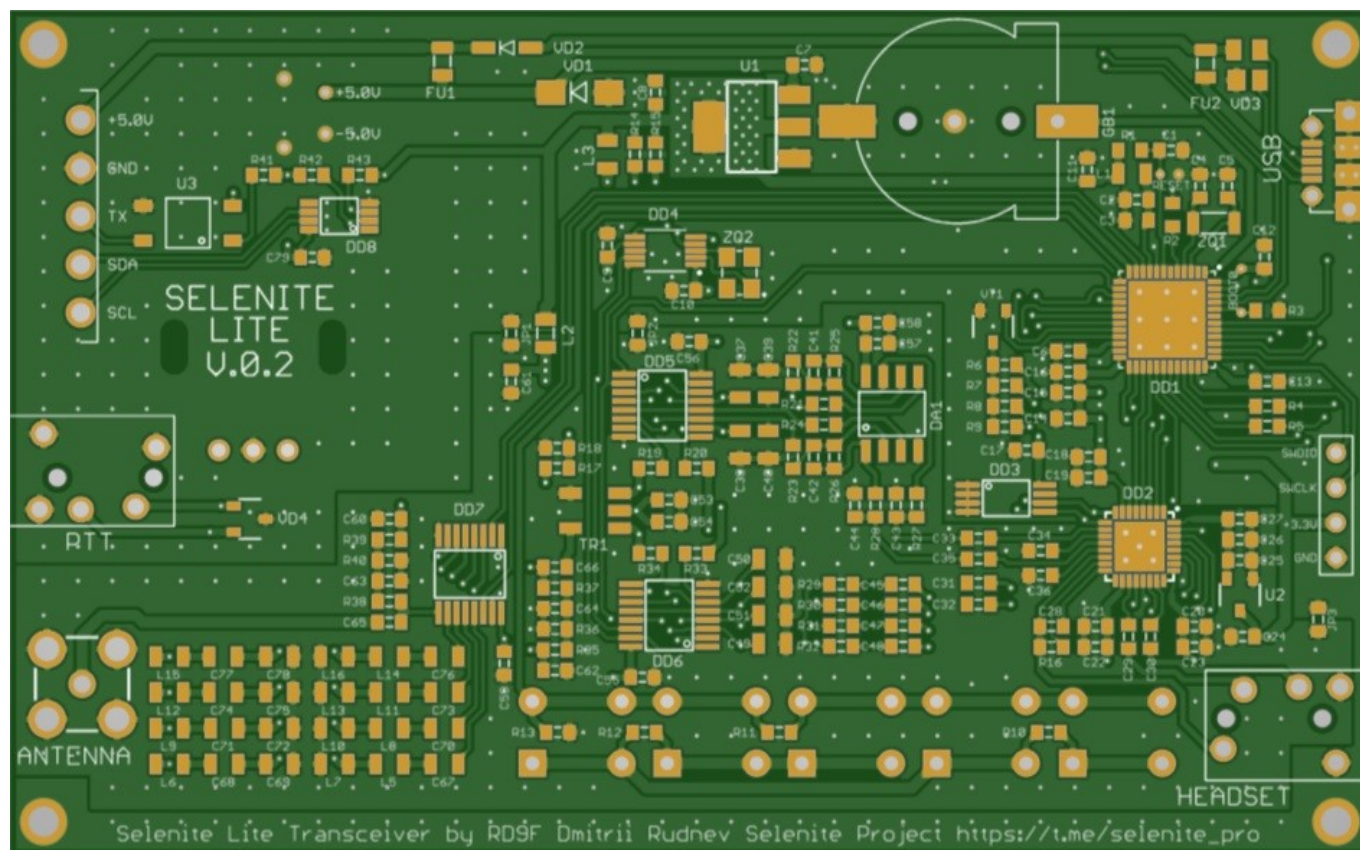
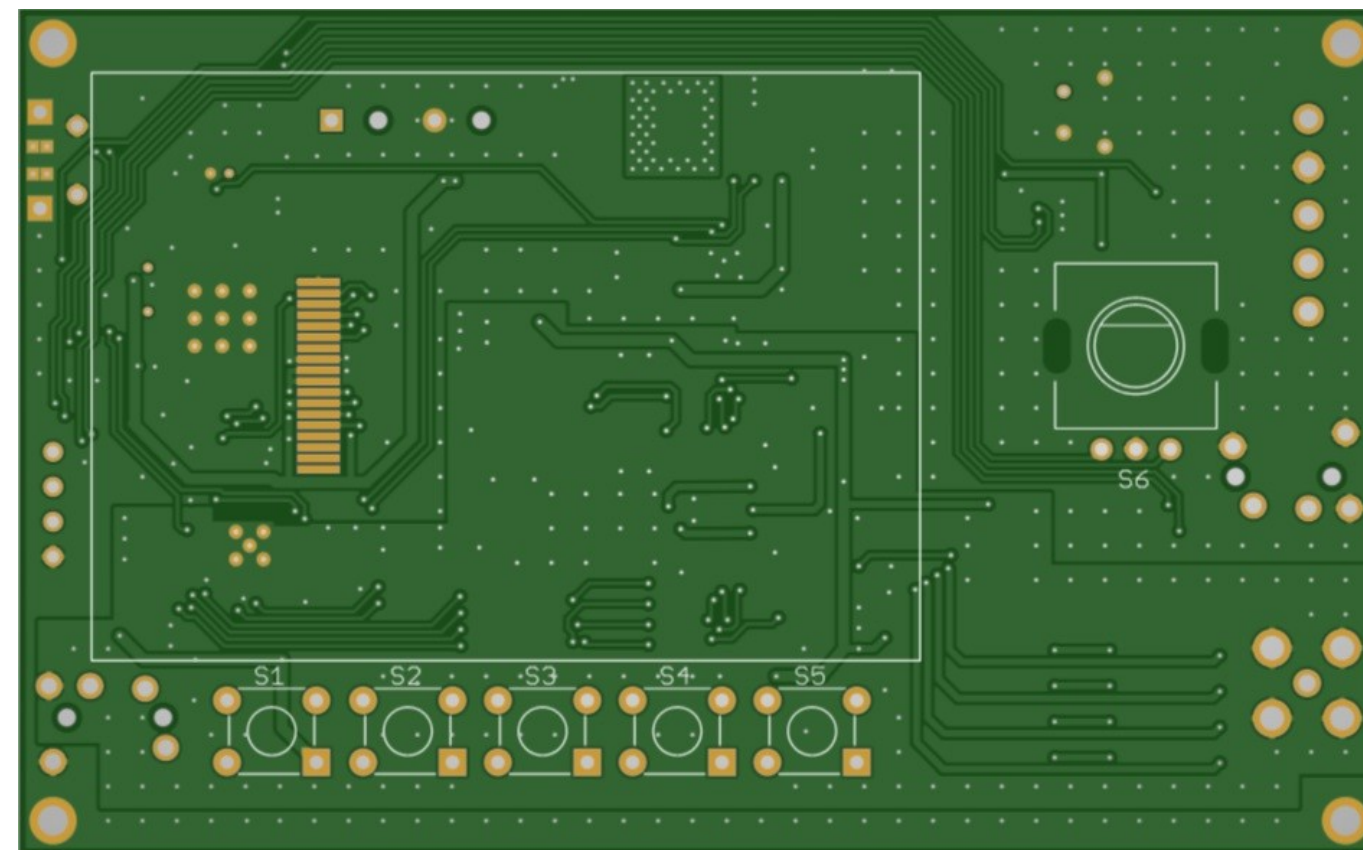


SDR трансивер Selenite Lite. Перечень элементов

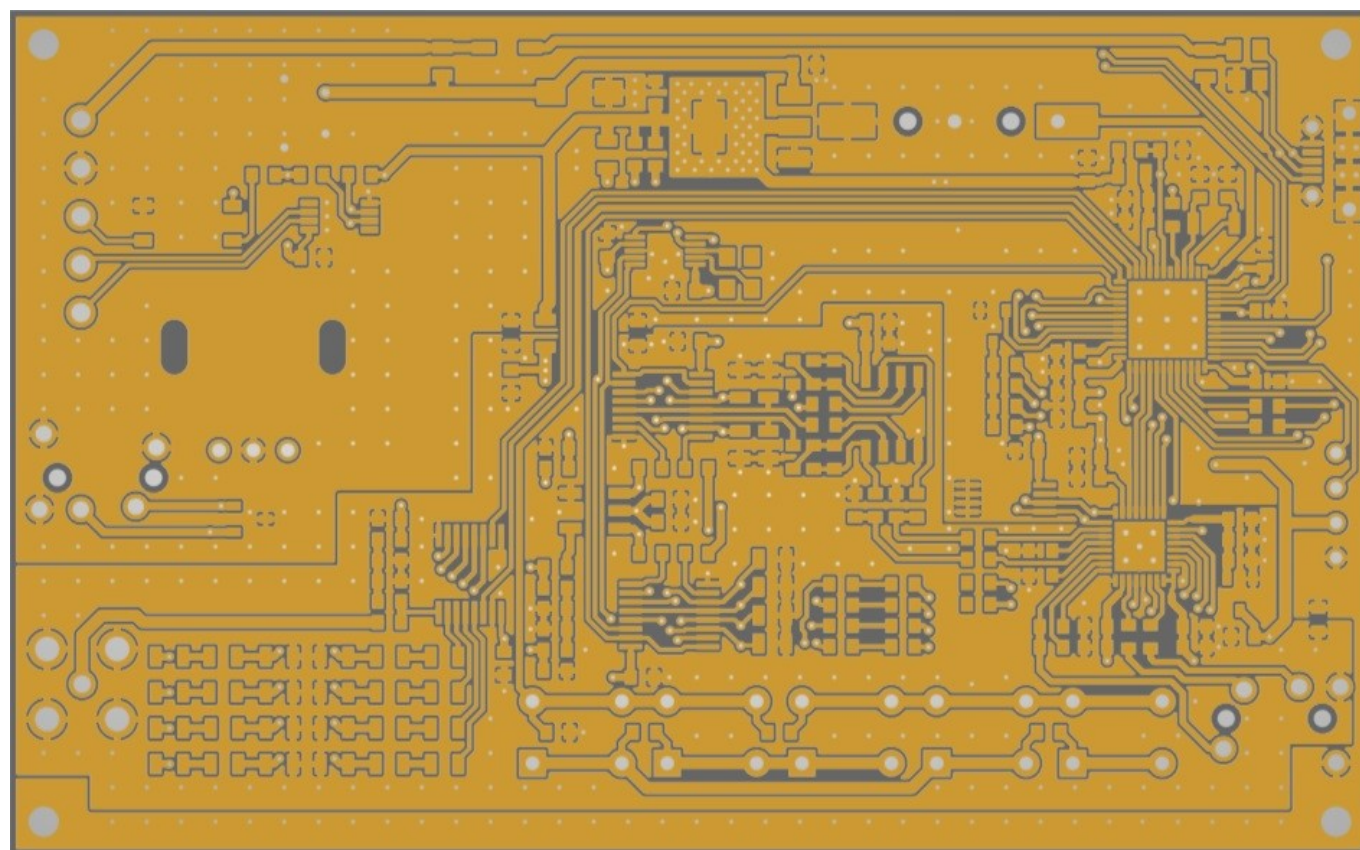
Value	Device	Qty	Parts	Description	Value	Device	Qty	Parts	Description
120nH	MLF2012DR12JT000	1	L16	Inductor SMD 0805 120nH 5%	25MHz	X322525MOB4SI YXC	1	ZQ2	Crystal SMD 3.2x2.2mm 25MHz 4 pin
270nH	MLF2012DR27JT000	1	L13	Inductor SMD 0805 270nH 5%	32.768 kHz	NX3215SA-32.768K-STD-MUA-14 NDK	1	ZQ1	Crystal SMD 3.2x1.5mm 32768Hz 2 pin
470nH	MLF2012DR47JT000	3	L10, L14, L15	Inductor SMD 0805 470nH 5%					
1.0uH	MLF2012A1R0JT000	2	L11, L12	Inductor SMD 0805 1uH 5%		MABAES61	1	TR1	4:1 RF Transformer
2.2uH	MLF2012A2R2JT000	2	L8, L9	Inductor SMD 0805 2.2uH 5%					
2.7uH	LQM21NN2R7K10	1	L7	Inductor SMD 0805 2.7uH 5%	SMAJ5.0A	SMAJ5.0A	1	VD1	TLV Diode SMA 5.0V
5.6uH	MLF2012E5R6JT000	2	L5, L6	Inductor SMD 0805 5.6uH 5%	MBR0520SOD	MBR0520SOD	1	VD2	Schottky Rectifier SOD123 0.5A 20V
10uH	MLZ2012M100HT000	1	L1	Inductor SMD 0805 10uH 20% 0.2A	PRTR5V0U2X	PRTR5V0U2X	1	VD3	Ultra low capacitance double rail-to-rail ESD protection diode SOT143B
100uH	MLZ2012N101LT000	2	L2, L3	Inductor SMD 0805 100uH 20% 0.14A	PESD3V3S2UT	PESD3V3S2UT	1	VD4	Double ESD protection diodes SOT23-3
12pF	CC0603JRNPO9BN120	2	C4, C5	Capasitor SMD 0603 NP0 12pF 5% 50V	PDTC143ET	PDTC143ET	1	VT1	NPN Resistor-Equipped Transistor SOT23-3
100pF	CC0805JRNPO9BN101	2	C76, C77	Capasitor SMD 0805 NP0 100pF 5% 50V					
180pF	CC0805JRNPO9BN181	2	C73, C74	Capasitor SMD 0805 NP0 180pF 5% 50V	L1117S33R	AMS1117-3.3	1	U1	LDO linear regulator SOT223 3.3 V 0.8 A
390pF	CC0805JRNPO9BN391	3	C70, C71, C78	Capasitor SMD 0805 NP0 390pF 5% 50V	AP2120N-1.8TRG1	AP2120N-1.8TRG1	1	U2	LDO linear regulator SOT23-3 1.8 V 0.2 A
680pF	CC0805JRNPO9BN681	3	C67, C68, C75	Capasitor SMD 0805 NP0 680pF 5% 50V	PC357N	PC357N1J000F SHARP	1	U3	SO-4 1-channel optocouple with transistor output
680pF	CC0603JRNPO9BN681	4	C41, C42, C43, C44	Capasitor SMD 0603 NP0 680pF 5% 50V					
1.5nF	CC0805JRNPO9BN152	2	C69, C72	Capasitor SMD 0805 NP0 1500pF 5% 50V	STM32F411CEU6	STM32F411CEU6	1	DD1	MCU STM32F411CEU6 QFN48
15nF	GRM2195C1H153JA01D	8	C37, C38, C39, C40, C49, C50, C51, C52	Capasitor SMD 0805 NP0 15nF 5% 50V	TLV320AIC3104IRHB	TLV320AIC3104IRHB	1	DD2	Stereo Audio Codec QFN32
0.1	CC0603KRX7R7BB104	34	C1, C3, C9, C10, C11, C12, C13, C15, C16, C17, C19, C20, C21, C27, C28, C31, C32, C33, C34, C35, C36, C54, C55, C56, C58, C59, C60, C61, C62, C63, C64, C65, C66, C79	Capasitor SMD 0603 X7R 100 nF 10% 16V	P24C64C	P24C64C-TSH-MIR PUYA	1	DD3	Serial I2C bus EEPROM TSSOP8
1.0uF	CC0603KRX7R7BB105	3	C2, C7, C26	Capasitor SMD 0603 X7R 1.0 uF 10% 16V	SI5351A-B-GT	SI5351A-B-GT	1	DD4	I2C-Programmable CMOS Clock Generator MSOP10
4.7uF	CC0603KRX5R6BB475	1	C6	Capasitor SMD 0603 X5R 4.7 uF 10% 10V	74CBTLV3253PW	74CBTLV3253PW	3	DD5, DD6, DD7	A dual 1-of-4 high-speed FET multiplexer/demultiplexer TSSOP16
10uF	CC0603KRX5R6BB106	15	C8, C14, C18, C22, C23, C24, C25, C29, C30, C45, C46, C47, C48, C53, C57	Capasitor SMD 0603 X5R 10 uF 10% 10V	PCA9515A	PCA9515A	1	DD8	Dual Bidirectional I2C Bus and SMBus Repeater SOT505-1
					TS972IDT	TS972IDT	1	DA1	Dual low noise, rail-to-rail output op amps SOIC8
0	RC0603JR-070RL	3	JP1, JP2, JP3	Resistor SMD 0603 0 Ohm 5%		MOLEX-105017-0001	1	USB	MicroUSB connector
10	RC0603FR-0710RL	8	R4, R5, R6, R7, R8, R9, R19, R20	Resistor SMD 0603 10 Ohm 1%		PJ-320E HOOYA	2	HEADSET, PTT	3.5 mm Audio Jack
50	RC0603FR-0749R9L	6	R29, R30, R31, R32, R33, R34	Resistor SMD 0603 50 Ohm 1%		15EDGRC-3.5-5	1	XS1	15EDGRC-3.5-05P 5 pin connector
220	RC0603FR-07220RL	4	R21, R22, R23, R24	Resistor SMD 0603 220 Ohm 1%		15EDGK-3.5-05P-14-00AH DEGSON	1		15EDGK-3.5-05P-14-00AH 5 pin connector
330	RC0603FR-07330RL	1	R41	Resistor SMD 0603 330 Ohm 1%					
2.2K	RC0603FR-072K2L	17	R10, R12, R14, R15, R16, R17, R18, R25, R26, R27, R28, R35, R36, R39, R40, R42, R43	Resistor SMD 0603 2.2 K 1%		KLS1-SMA002-B	1	ANTENNA	Female SMA connector
10K	RC0603FR-0710KL	5	R1, R2, R3, R11, R13	Resistor SMD 0603 10 K 1%		CR1220-856	1	GB1	CR1220 battery holder
100K	RC0603FR-07100KL	2	R37, R38	Resistor SMD 0603 100 K 1%					
						TJC-024-9341	1	HL1	ILI9341 TFT Display 320 x 240 dots
500mA	MF-PSMF050X-2 BOURNS	2	FU1, FU2	Bourns MF-PSMF Series - PTC Resettable Fuse		TS-1109-7	5	S1, S2, S3, S4, S5	Button Thru-Hole DIP 6.2x6.2 mm
						EC12E24104A6	1	S6	ALPS EC12 encoder



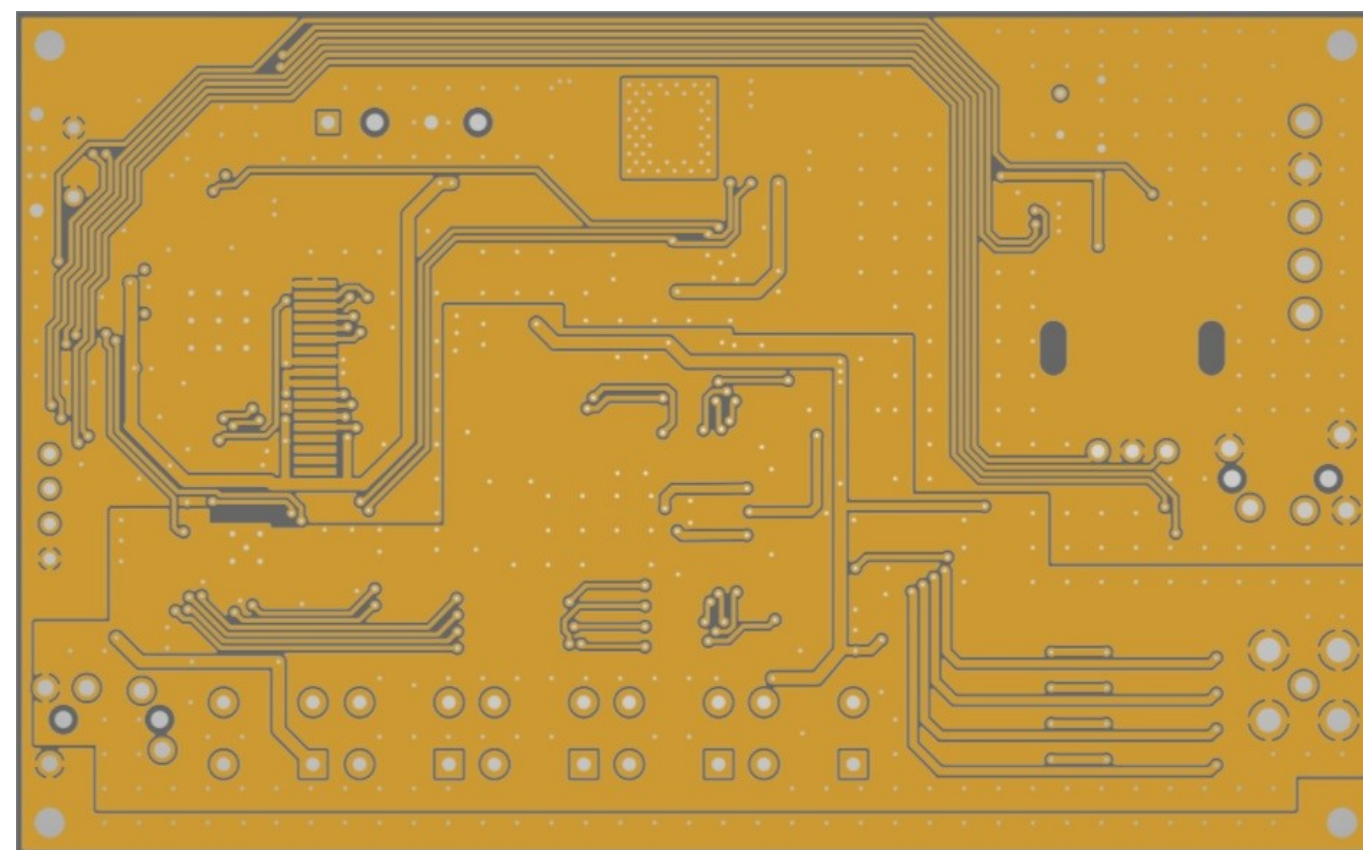
SDR трансивер Selenite Lite. Плата печатная. Вид сверху



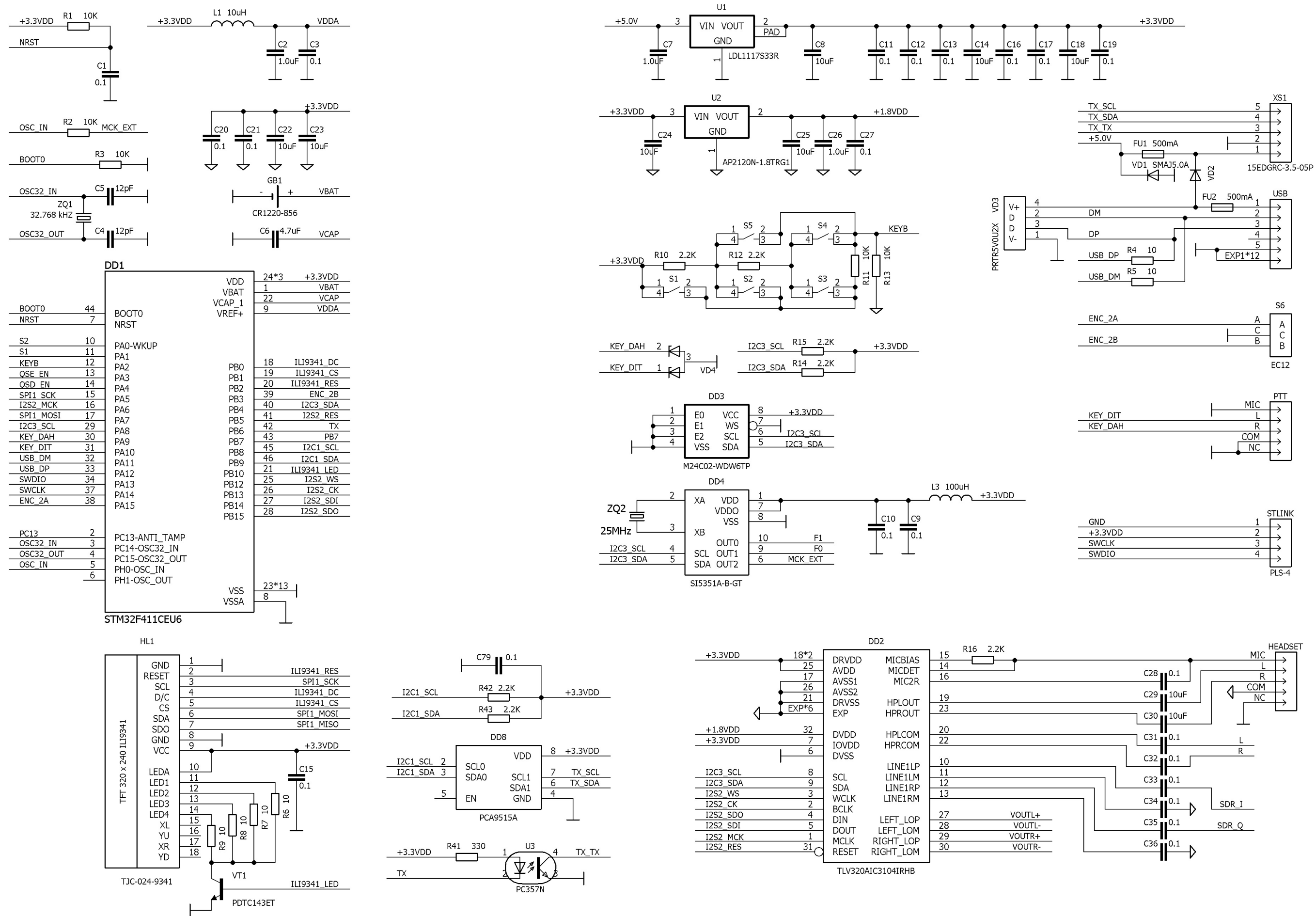
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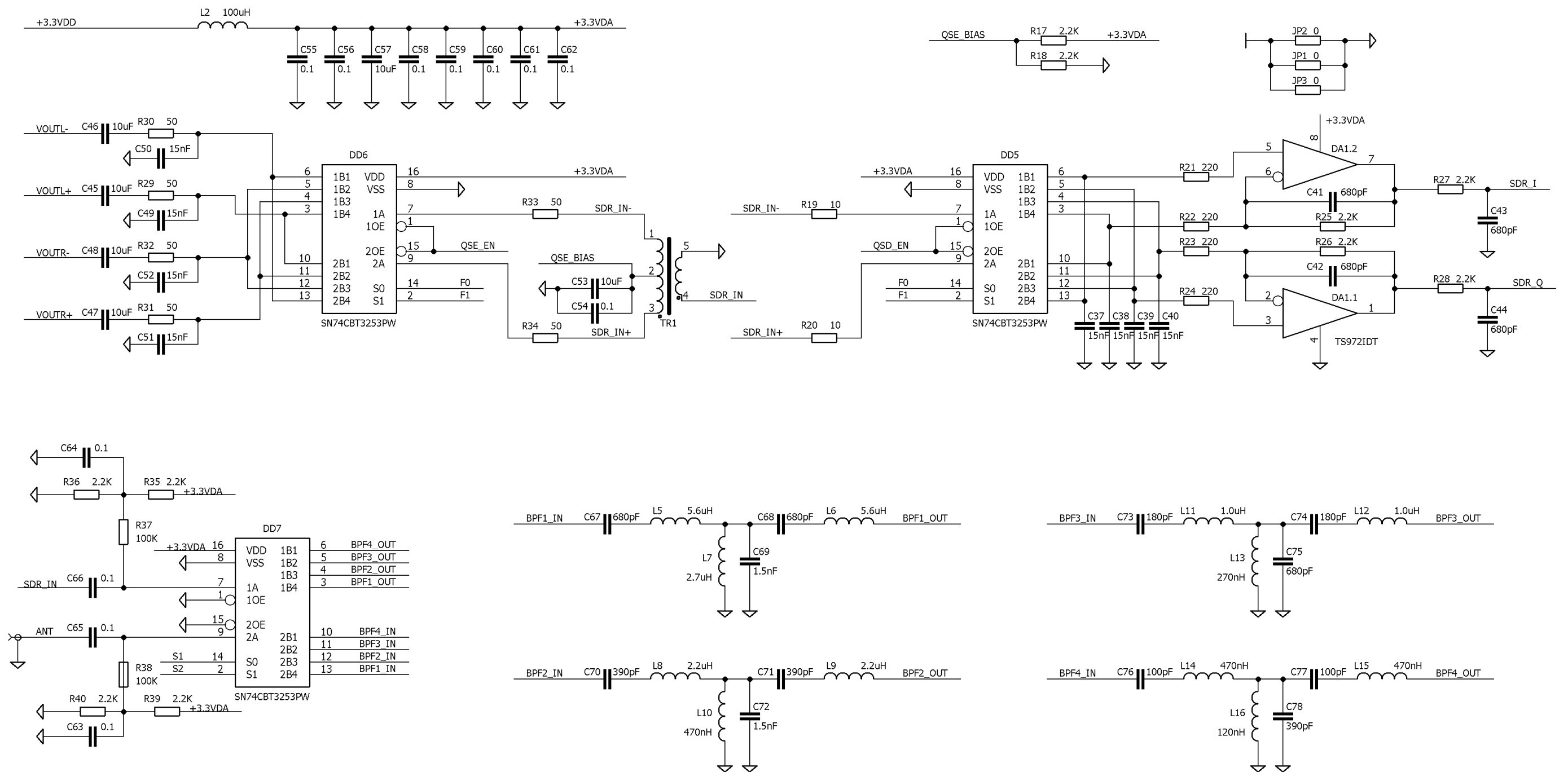
SDR трансивер Selenite Lite. Плата печатная. Верхний слой



SDR трансивер Selenite Lite. Плата печатная. Нижний слой



SDR трансивер Selenite Lite. Схема электрическая принципиальная. Лист 1/2



SDR трансивер Selenite Lite. Схема электрическая принципиальная. Лист 2/2