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File:	D:\SDRProject\.\main.SchDoc	Drawn By:

1

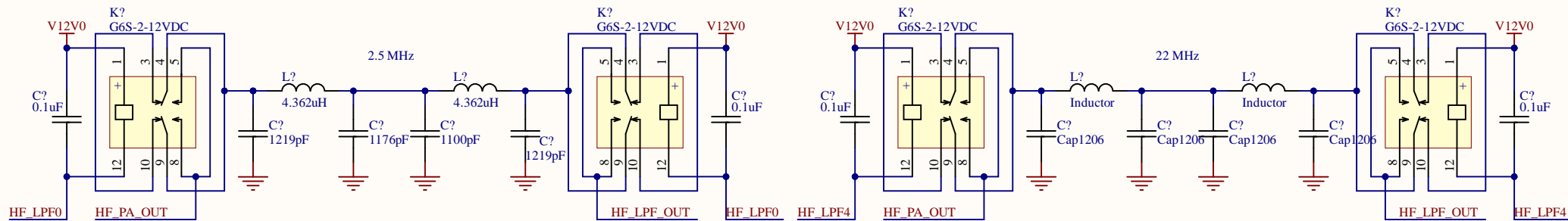
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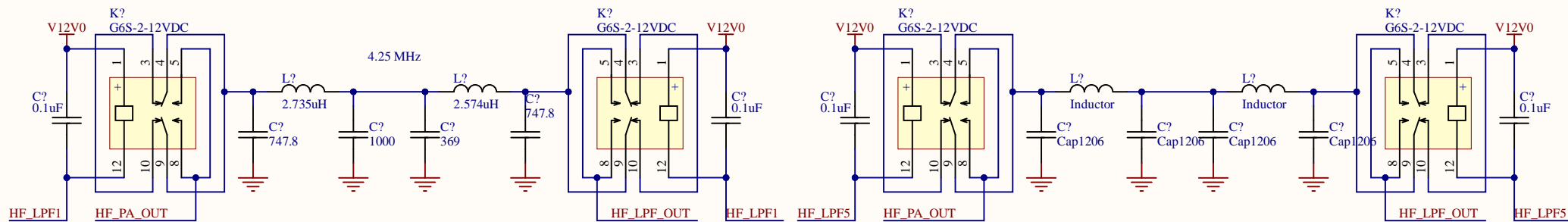
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A



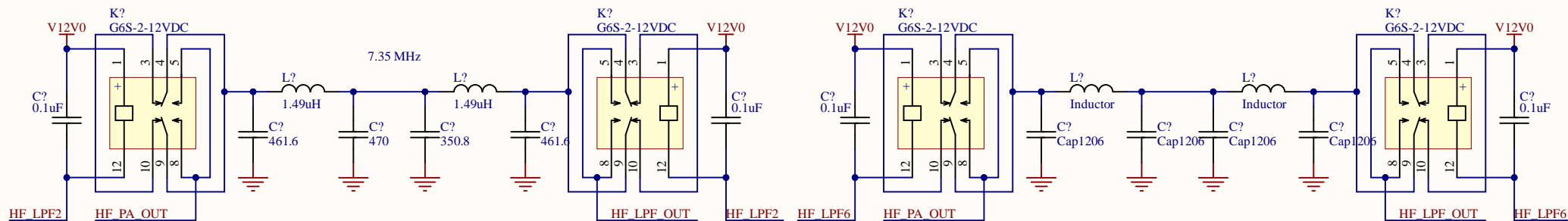
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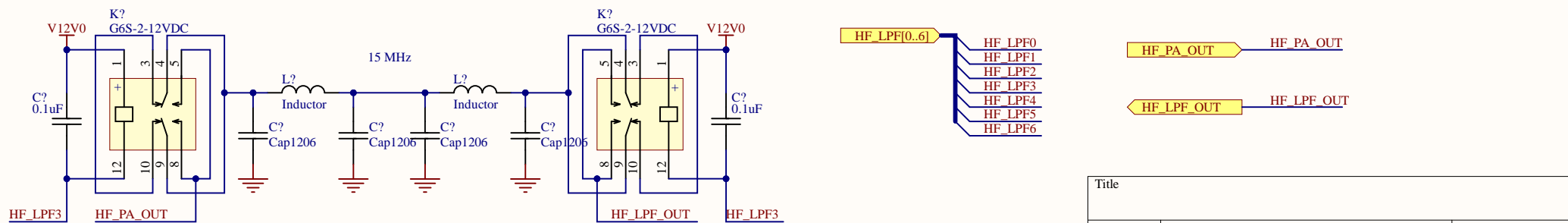
C

C



D

D



HF\_LPF[0..6]

- HF\_LPF0
- HF\_LPF1
- HF\_LPF2
- HF\_LPF3
- HF\_LPF4
- HF\_LPF5
- HF\_LPF6

HF\_PA\_OUT

HF\_LPF\_OUT

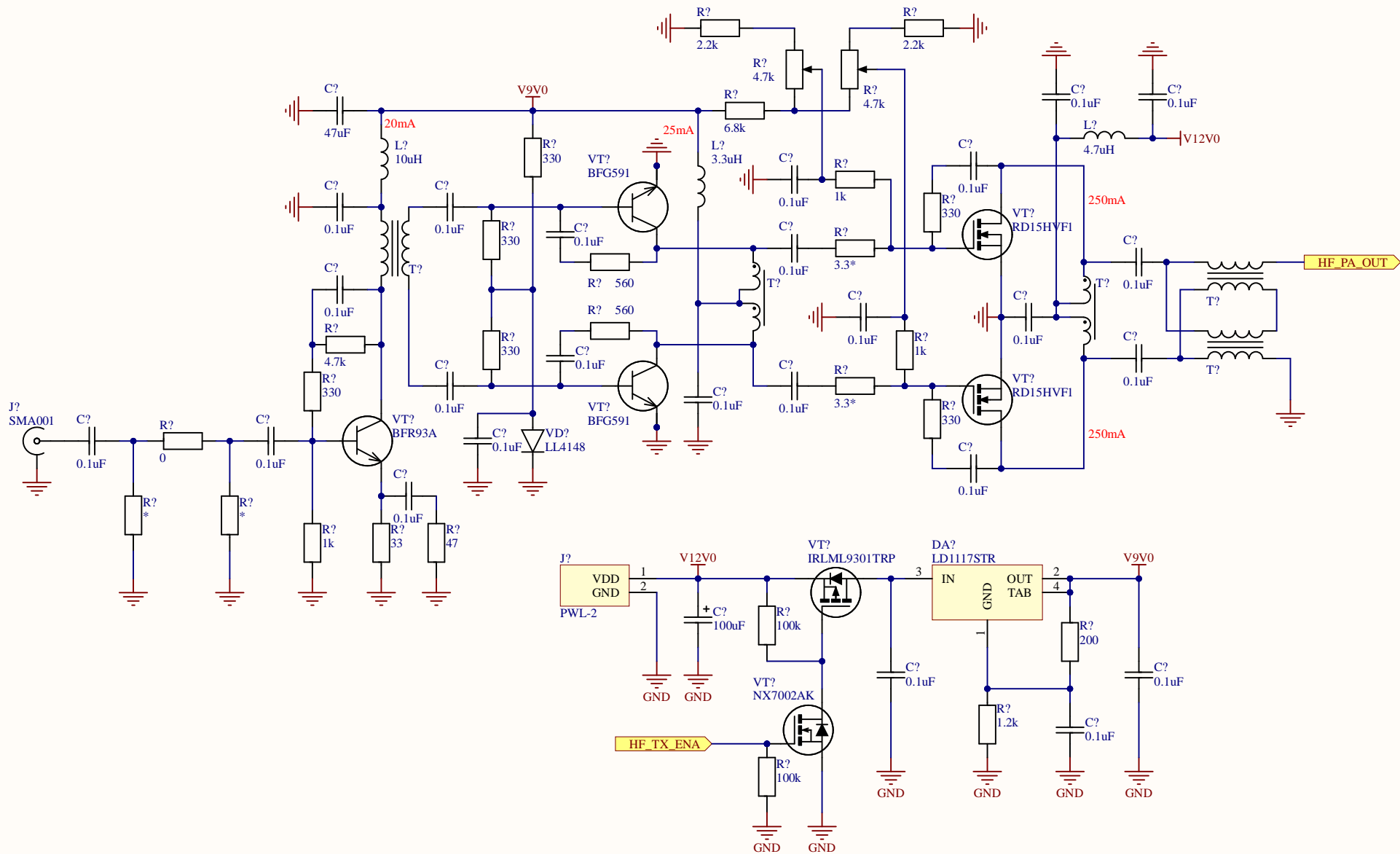
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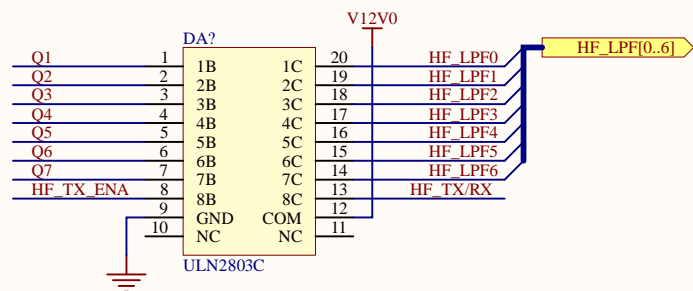
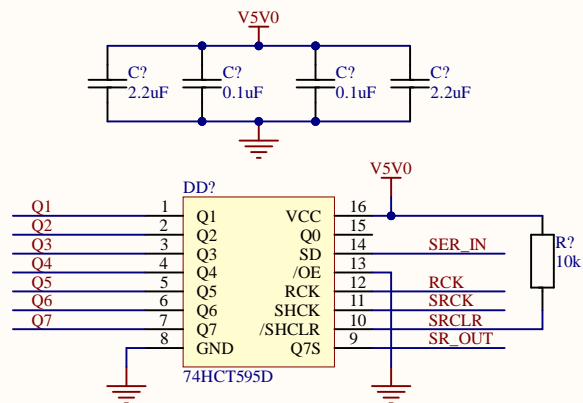
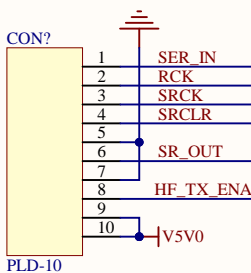
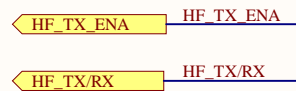
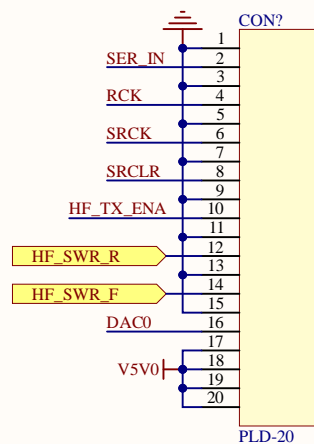
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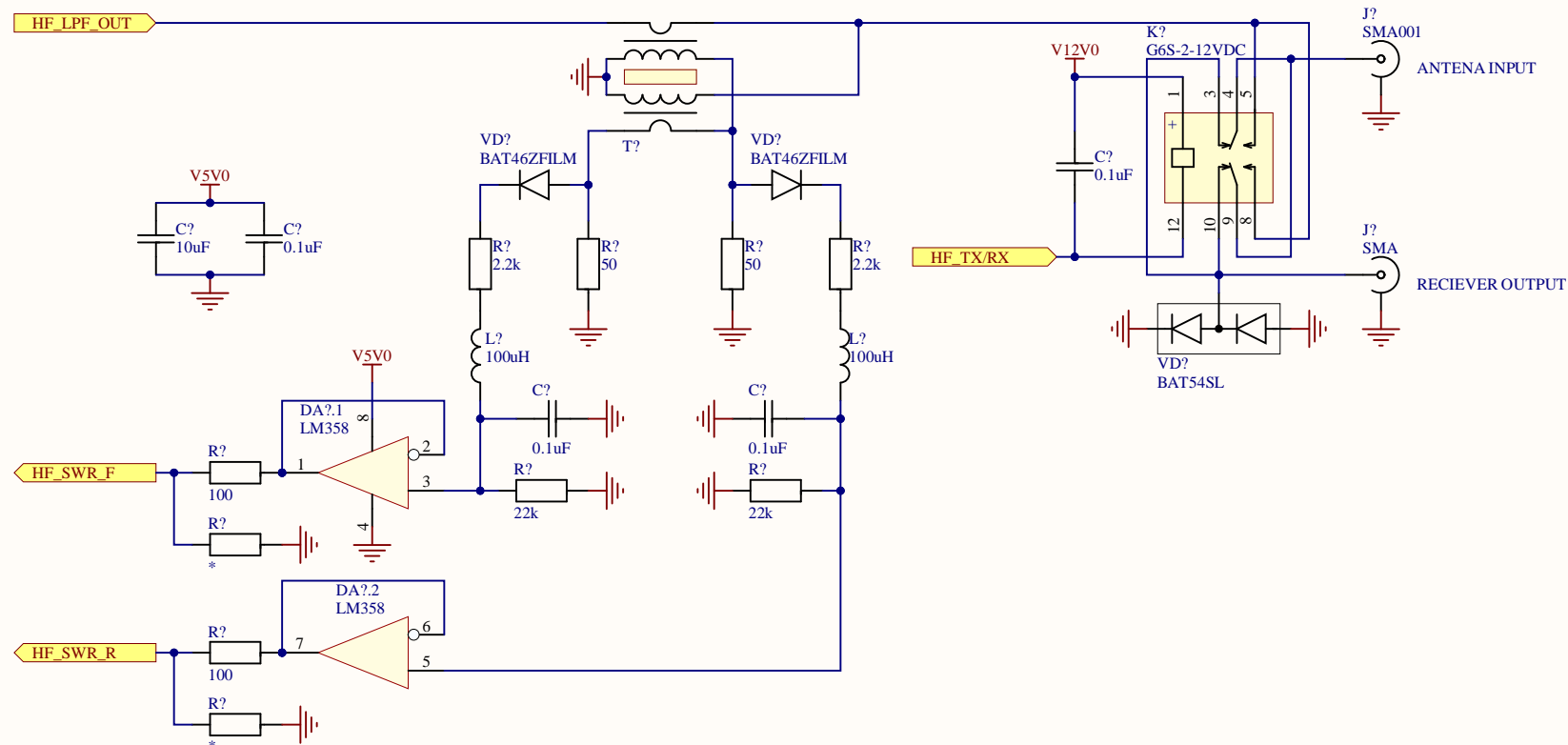
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Date:	11.19.2022	Sheet of
File:	D:\SDRProject\..PA-15-30W.SchDoc	Drawn By:



Title		
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Date:	11.19.2022	Sheet of
File:	D:\SDRProject\...\control-interface.SchDoc Drawn By:	



Title		
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A4		
Date:	11.19.2022	Sheet of
File:	D:\SDRProject\.\swr-antenna.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF	Capacitor 2x1.25 mm	C?	CAPC2013X100N	Cap0805	41
0.1uF	FM31X104K251EEG	C?	CAPC3216X125N	Cap1206	2
0.1uF	GRM43DR72J104KW0 1(1812, X7R-EIA, 0.1uF, DC630V), GRM43DR72J104KW0 1(1812, X7R-EIA, 0.1uF, DC630V)	C?	CAPC4532X218N	Cap1812	2
2.2uF	Capacitor 2x1.25 mm	C?	CAPC2013X100N	Cap0805	2
10uF	Capacitor 2x1.25 mm	C?	CAPC2013X100N	Cap0805	1
47uF	Capacitor 2x1.25 mm	C?	CAPC2013X100N	Cap0805	1
100uF	EEUF1E471	C?	CAPR500-1050X1300	CapPolarized	1
350.8	Capacitor 3.2x1.6 mm	C?	CAPC3216X125N	Cap1206	1
369	Capacitor 3.2x1.6 mm	C?	CAPC3216X125N	Cap1206	1
461.6	Capacitor 3.2x1.6 mm	C?	CAPC3216X125N	Cap1206	2
470	Capacitor 3.2x1.6 mm	C?	CAPC3216X125N	Cap1206	1
747.8	Capacitor 3.2x1.6 mm	C?	CAPC3216X125N	Cap1206	2
1000	Capacitor 3.2x1.6 mm	C?	CAPC3216X125N	Cap1206	1
1100pF	Capacitor 3.2x1.6 mm	C?	CAPC3216X125N	Cap1206	1
1176pF	Capacitor 3.2x1.6 mm	C?	CAPC3216X125N	Cap1206	1
1219pF	Capacitor 3.2x1.6 mm	C?	CAPC3216X125N	Cap1206	2
Cap1206	Capacitor 3.2x1.6 mm	C?	CAPC3216X125N	Cap1206	16
PLD-10		CON?	3M_2510-6002RB	CONNECTOR-10	1
PLD-20		CON?	PBD-20	CONNECTOR-20	1
LD1117STR	Adjustable and fixed low drop positive voltage regulator	DA?	SOT230P700X180-4N	LD1117	1
LM358	Single Supply Dual Operational Amplifiers	DA?	SOIC127P600X175-8N	LM358	2
ULN2803C	Darlington Transistor Array	DA?	SOIC127P1030X265- 20N	ULN2803C	1
74HCT595D	8-bit serial-in, serial or parallel-out shift register with output latches: 3-state	DD?	SOIC127P600X175- 16N	74HCT595D	1
PWL-2	PWL-2	J?	PWL-2	PWR_CONNECTOR	1
SMA		J?	SMA001	RF Connector	1
SMA001		J?	SMA001	RF Connector	2
G6S-2-12VDC	Compact, Industry- Standard 2-pole relay	K?	G6S-2	G6S-2-12VDC	15
1.49uH	T50-6	L?	T50-6	Inductor	2
2.574uH	T50-2	L?	T50-2	Inductor	1
2.735uH	T50-2	L?	T50-2	Inductor	1
3.3uH	3.3uH ±10% эквивалентный допуск 670mA 0.34Ohm (KL518-EC36- 3R3K-A - KLS)	L?	RES1270-650X250	Inductor	1
4.362uH	T50-2	L?	T50-2	Inductor	2
4.7uH	Bochen, 4.7µH±10%, Id=5 mA, Rdc max=0.05	L?	Inductor radial	Inductor	1
10uH	SMD 0805 50-100mA	L?	RESC2013X64N	Inductor	1
100uH	DIA100-MN Ferrocore	L?	RES1016-650X250	Inductor	2
Inductor	T50-6	L?	T50-6	Inductor	8
		R?	RESC2013X64N	Res0805	4
0		R?	RESC2013X64N	Res0805	1
1k		R?	RESC2013X64N	Res0805	3
1.2k		R?	RESC2013X64N	Res0805	1
2.2k		R?	RESC2013X64N	Res0805	4
3.3*		R?	RESC2013X64N	Res0805	2
4.7k		R?	3296W	potentiometer	2
4.7k		R?	RESC2013X64N	Res0805	1
5.6k		R?	RESC2013X64N	Res0805	1
10k		R?	RESC2013X64N	Res0805	1
22k		R?	RESC2013X64N	Res0805	2
33		R?	RESC2013X64N	Res0805	1
47		R?	RESC2013X64N	Res0805	1
50		R?	RESC2013X64N	Res0805	2
100		R?	RESC2013X64N	Res0805	2
100k		R?	RESC2013X64N	Res0805	2
200		R?	RESC2013X64N	Res0805	1
330		R?	RESC2013X64N	Res0805	6
560		R?	RESC2013X64N	Res0805	2
R10*6*4 N87	R10*6*4 N87 (864290- L38-X87-Epcos)	T?	R10x6x4	transformer type 1, transformer type 2	2
R12,5*7,5*5 N87	864290-L44-X87- Epcos	T?	R12.5x7.5x5	transformer type 1	1
tandem match	transformer	T?	TANDEM	tandem match	1
TP4A-T22/14/6-C TDG	TP4A-T22/14/6-C TDG	T?	R22x14x6	transformer type 2	2
BAT46ZFILM	Small signal Schottky diodes	VD?	SOD3816X118N	DIODE	2
BAT54SL	BAT54SL	VD?	SOT95P229X119-3N	DIODE-2-1A-3C-3A-2C	1
LL4148		VD?	DIOMELF3515N	DIODE	1
BFG591	NPN 7 GHz wideband transistor	VT?	SOT230P700X180-4N	BFG591	2
BFR93A	NPN 6 GHz wideband transistor	VT?	SOT95P229X119-3N	BFR93A	1
IRLML9301TRP	IRLML9301TRP	VT?	SOT95P229X119-3N	IRLML9301TRP	1
NX7002AK		VT?	SOT95P229X119-3N	N-AC05FET 1G 25 3D	1
RD15HVF1		VT?	TO-220-H	RD15HVF1	2