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Size	Number	Revision
A4		
Date:	11.12.2022	Sheet of
File:	D:\SDRProject\.\main.SchDoc	Drawn By:

1

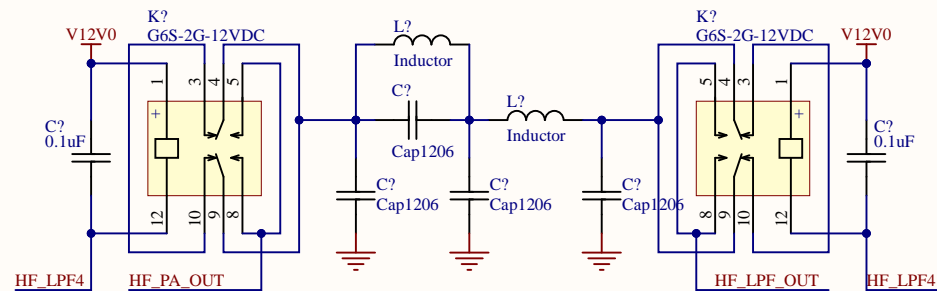
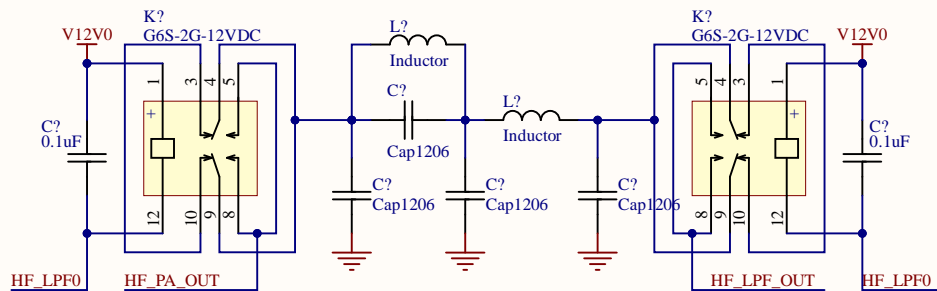
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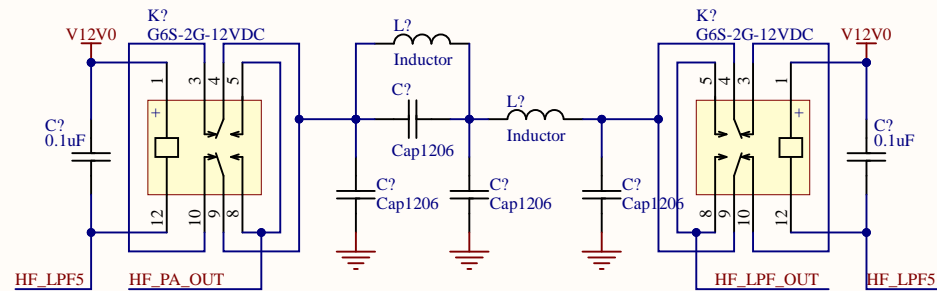
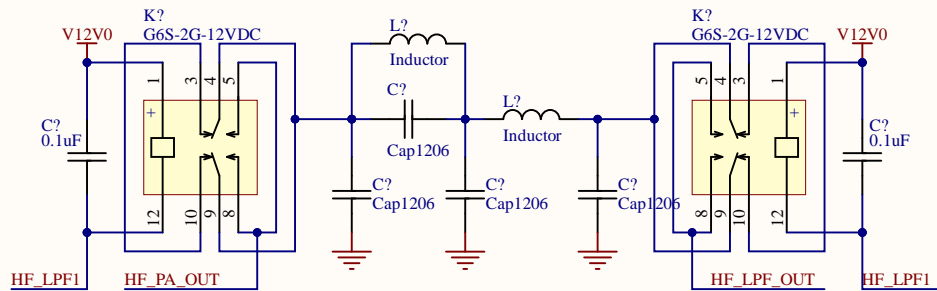
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A



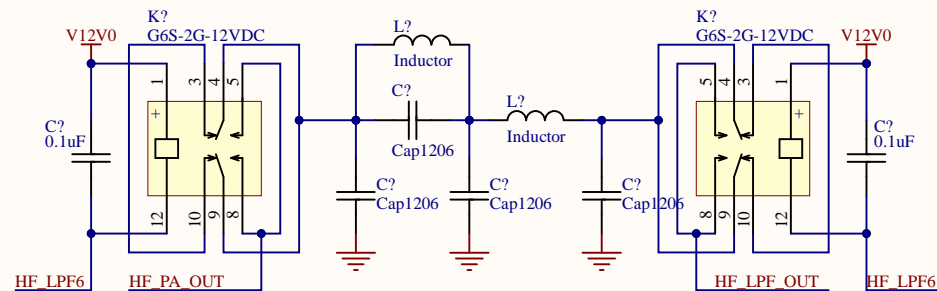
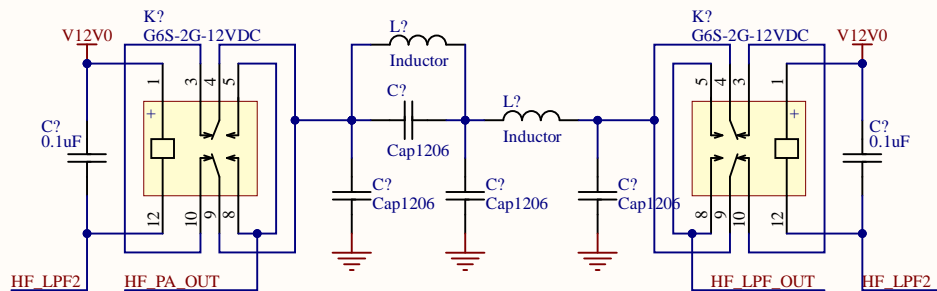
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B



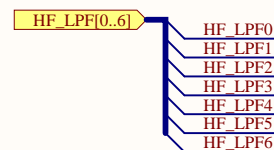
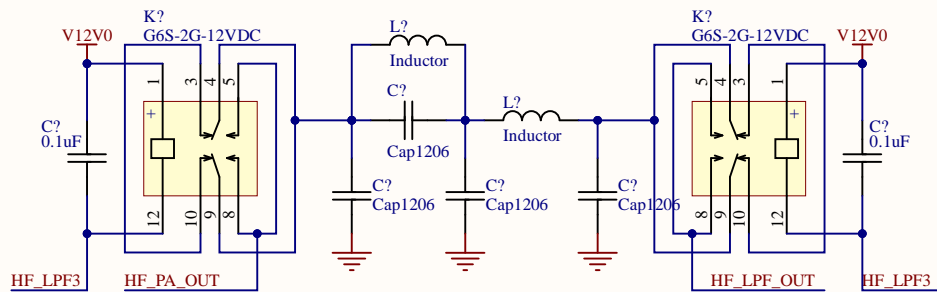
C

C



D

D



HF_PA_OUT HF_PA_OUT

HF_LPF_OUT HF_LPF_OUT

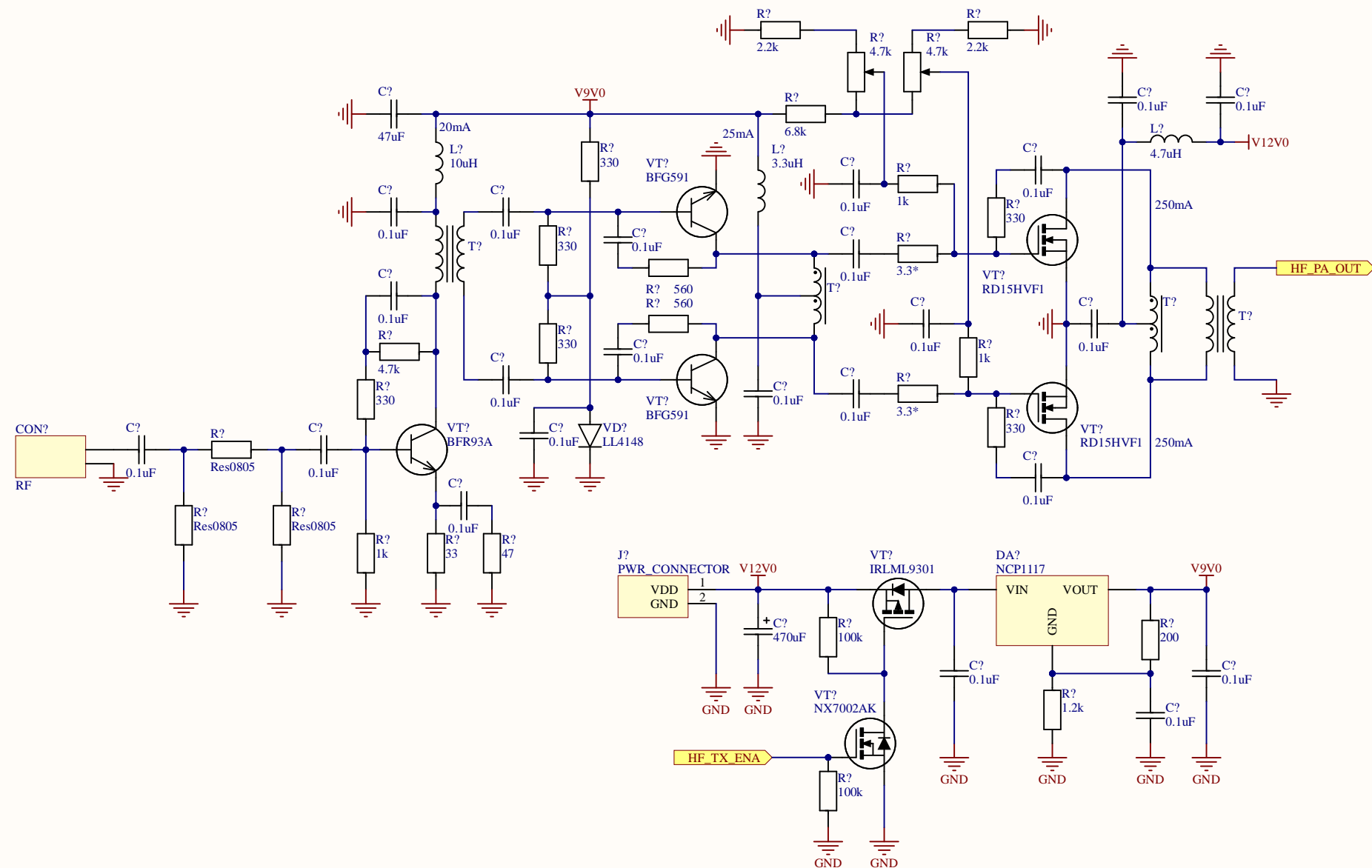
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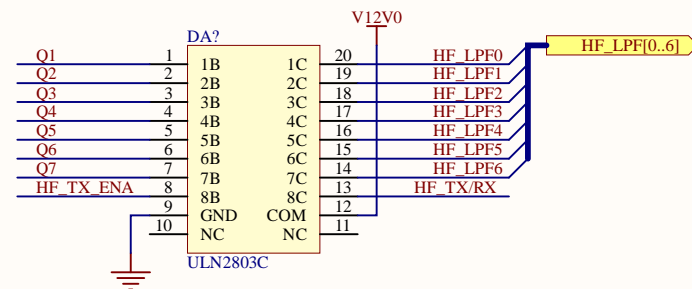
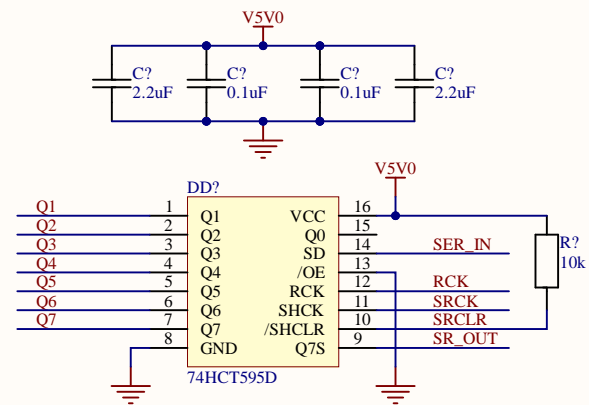
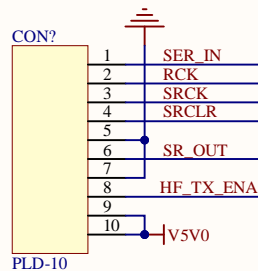
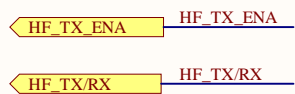
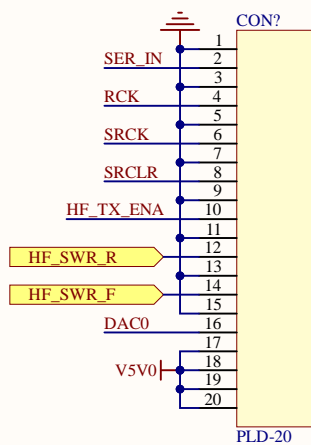
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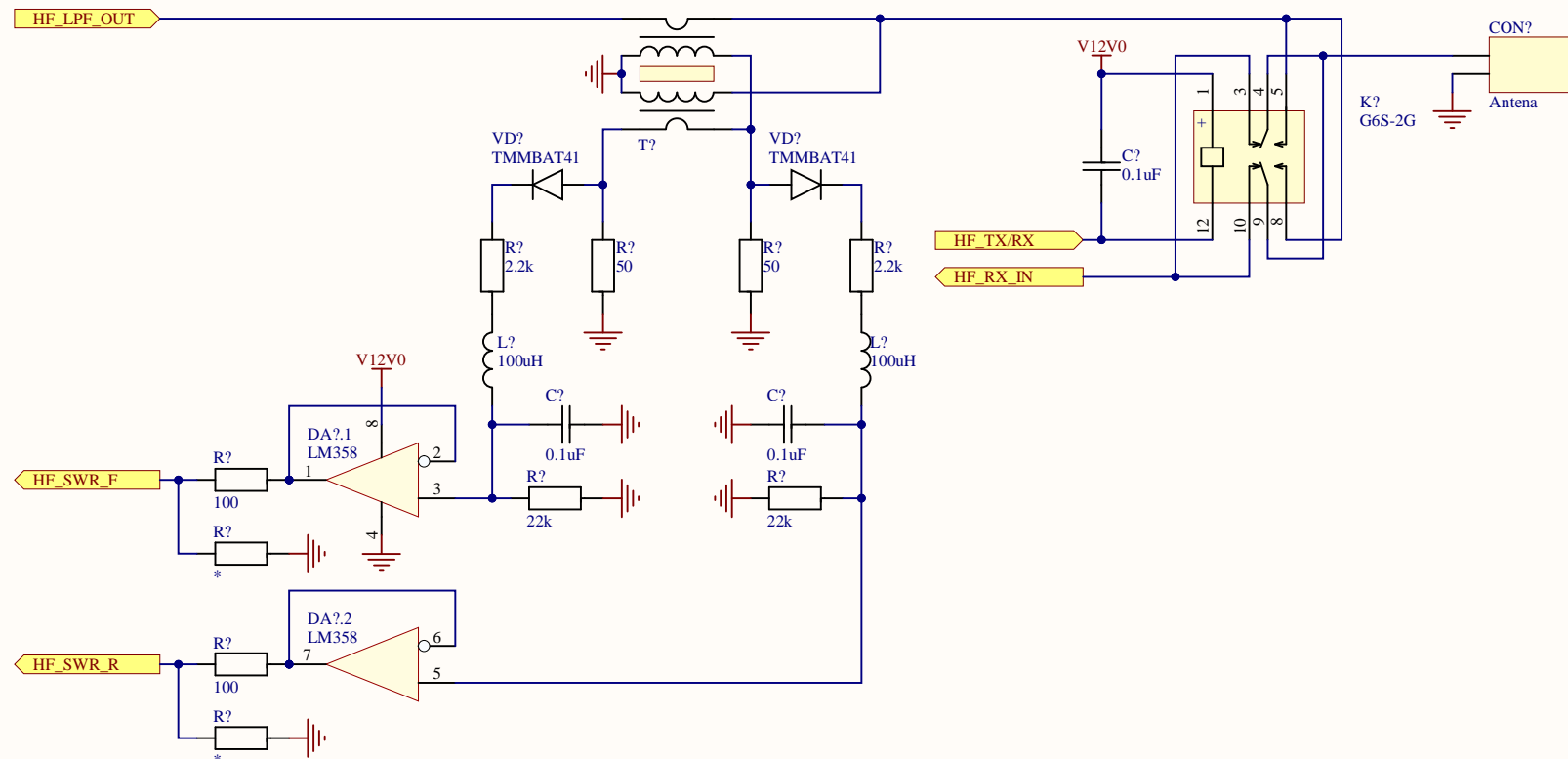
4



Title		
Size	Number	Revision
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Date:	11.12.2022	Sheet of
File:	D:\SDRProject\..PA-15-30W.SchDoc	Drawn By:



Title		
Size	Number	Revision
A4		
Date:	11.12.2022	Sheet of
File:	D:\SDRProject\...\control-interface.SchDoc Drawn By:	



Title		
Size	Number	Revision
A4		
Date:	11.12.2022	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	42
2.2uF	Capacitor 2x1.25 mm	C?	CAPC2013X100N	Cap0805	2
47uF	Capacitor 2x1.25 mm	C?	CAPC2013X100N	Cap0805	1
470uF	TECAP 100/20V E 10	C?	CAPMP7343X430N	CapPolarized	1
Cap1206	Capacitor 3.2x1.6 mm	C?	CAPC3216X125N	Cap1206	28
Antena		CON?		CONNECTOR-2	1
PLD-10		CON?		CONNECTOR-10	1
PLD-20	PLD-20, Connector	CON?	PLD-20-2.54	CONNECTOR-20	1
RF		CON?		CONNECTOR-2	1
LM358	Single Supply Dual Operational Amplifiers	DA?		LM358	2
NCP1117		DA?		LDO	1
ULN2803C	Darlington Transistor Array	DA?		ULN2803C	1
74HCT595D	8-bit serial-in, serial or parallel-out shift register with output latches; 3-state	DD?		74HCT595D	1
PWR_CONNECTOR		J?		PWR_CONNECTOR	1
G6S-2G	Compact, Industry-Standard 2-pole relay	K?		G6S-2G	1
G6S-2G-12VDC	Compact, Industry-Standard 2-pole relay	K?		G6S-2G	14
3.3uH	Inductor	L?		Inductor	1
4.7uH	Bochen, 4.7µH±10%, Idc=5.0A, Rdc max=0.05	L?		Inductor	1
10uH	SMD 0805 50-100mA	L?		Inductor	1
100uH	Inductor	L?		Inductor	2
Inductor	Inductor	L?		Inductor	14
		R?	RESC2013X64N	Res0805	2
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?		potentiometer	2
4.7k		R?	RESC2013X64N	Res0805	1
6.8k		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
Res0805		R?	RESC2013X64N	Res0805	3
tandem match	transformer	T?		tandem match	1
transformer type 1	transformer	T?		transformer type 1	2
transformer type 2	transformer	T?		transformer type 2	2
LL4148		VD?		DIODE	1
TMMBAT41		VD?		DIODE	2
BFG591		VT?		n-p-n Bipolar Transistor	2
BFR93A		VT?		n-p-n Bipolar Transistor	1
IRLML9301		VT?	SOT23	P-MOSFET	1
NX7002AK		VT?	SOT23	N-MOSFET	1
RD15HVF1		VT?	SOT23	RD15HVF1	2