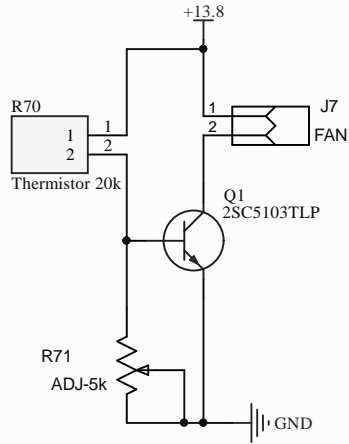
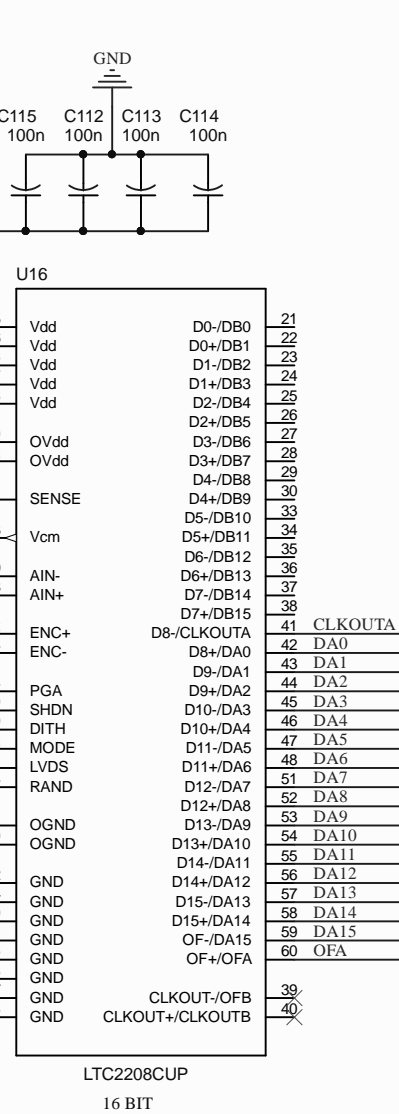
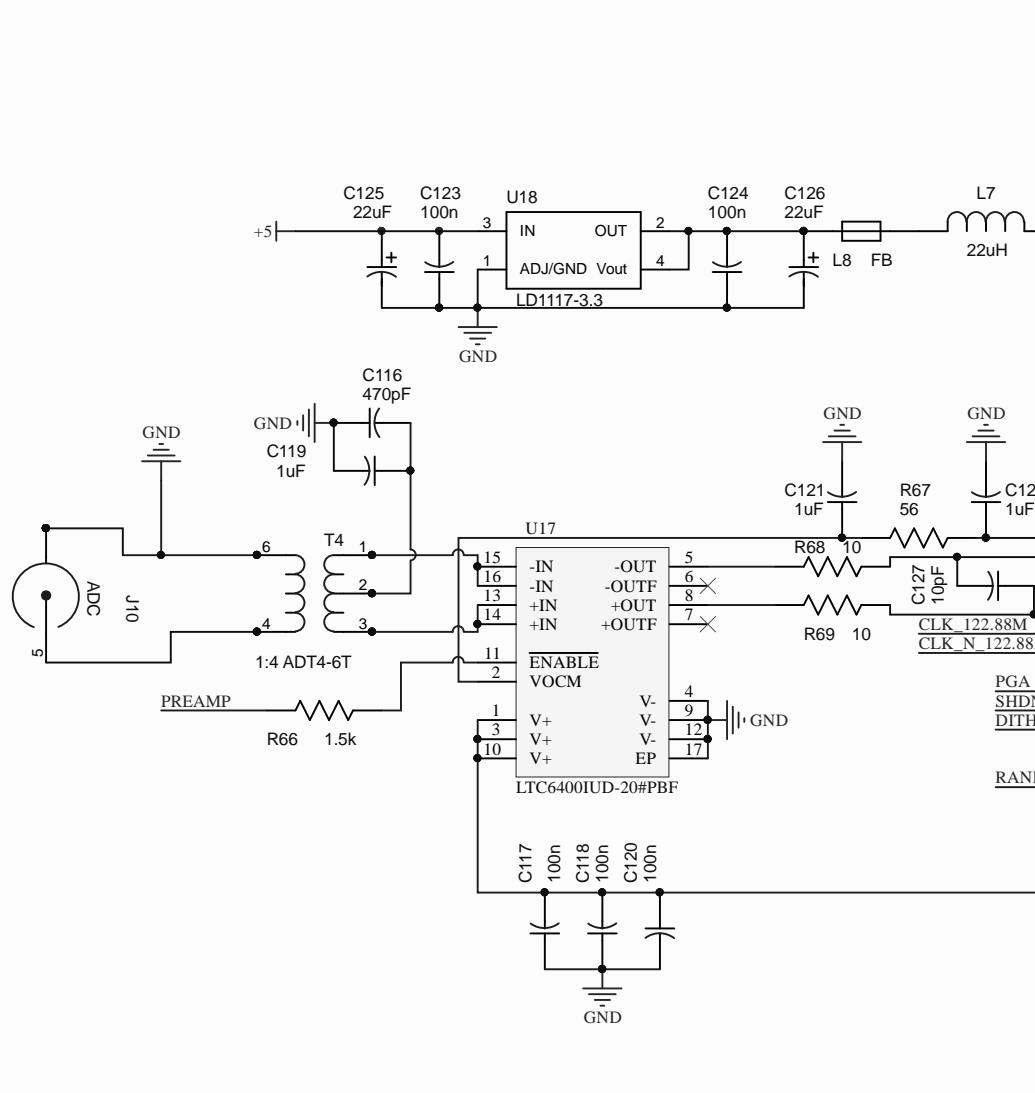


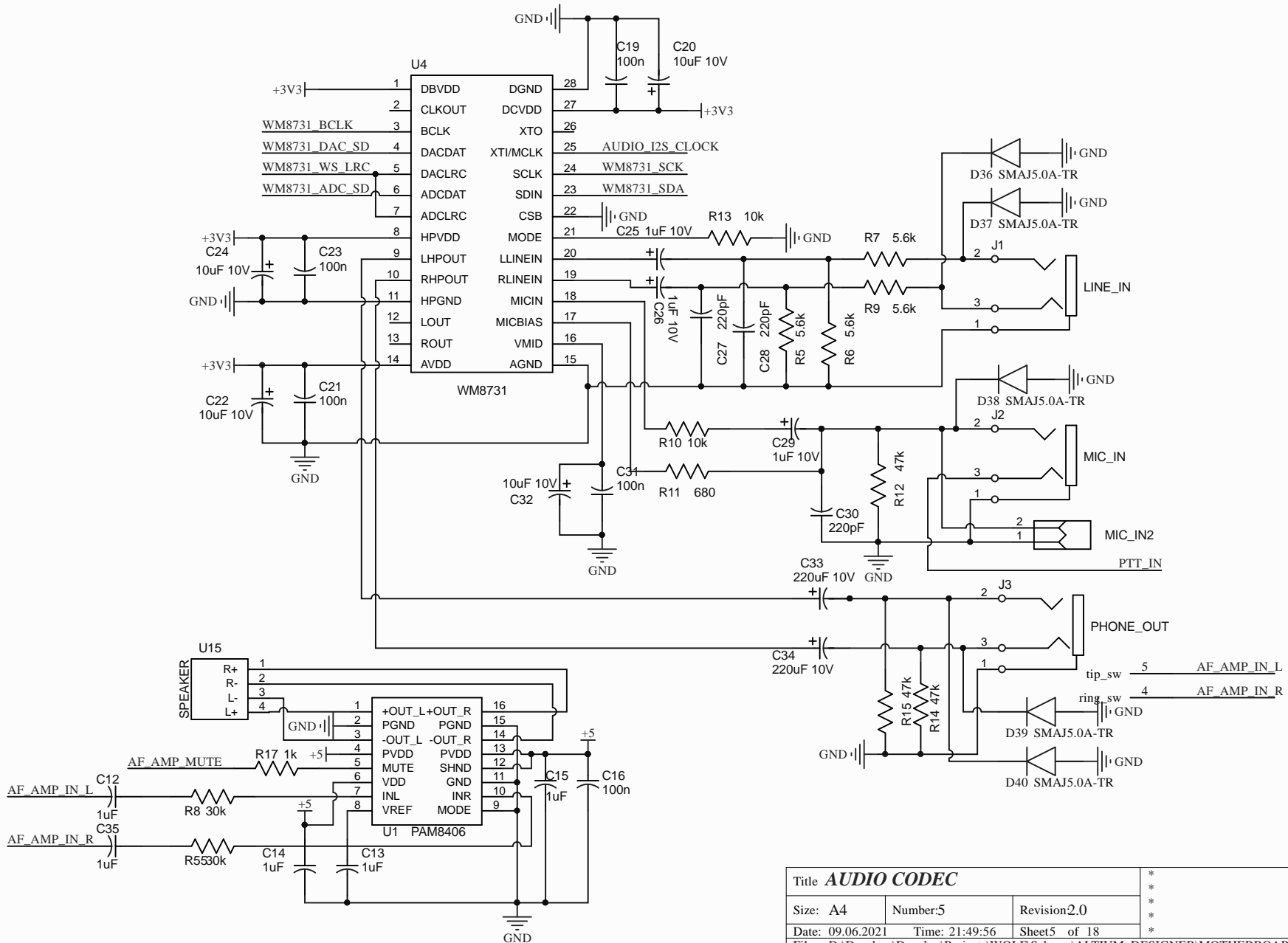
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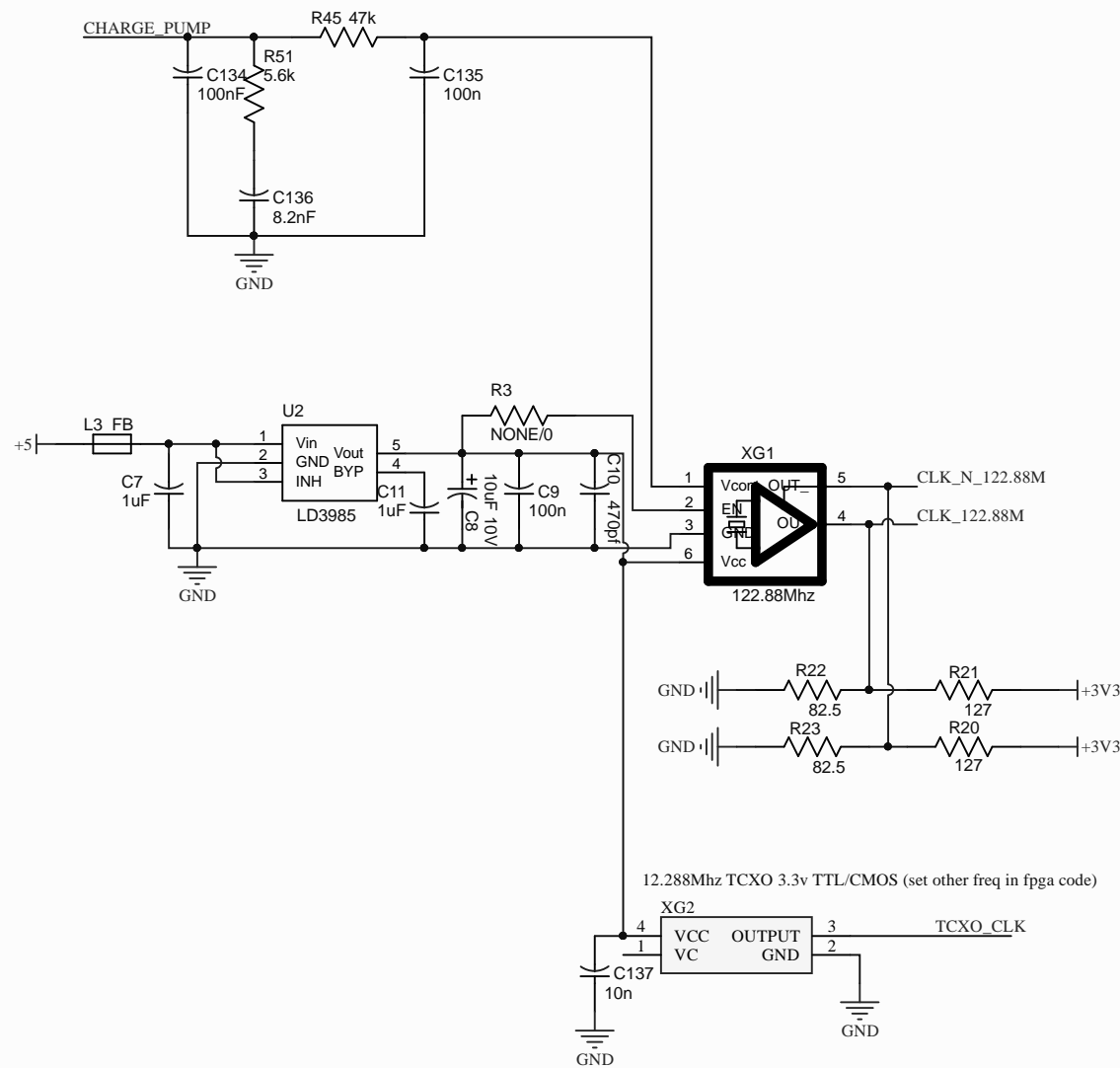
B

C

D







Title **CLOCK_GENERATOR**

Size: A4

Number:6

Revision:2.0

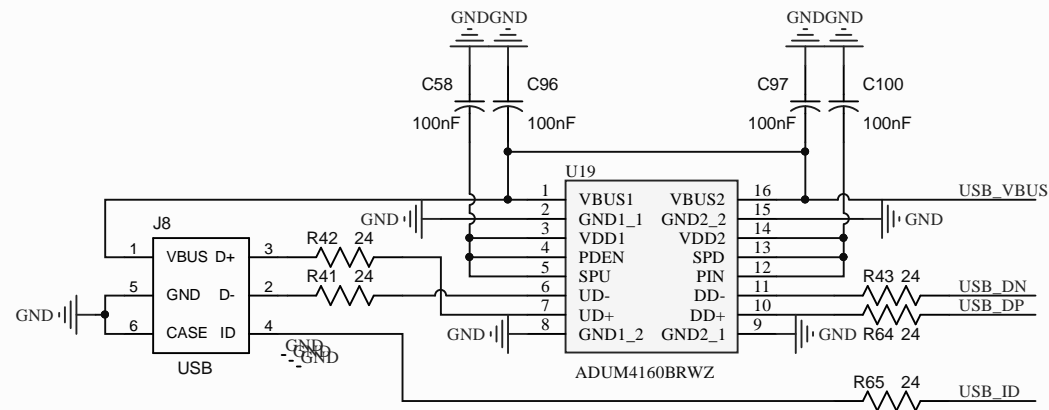
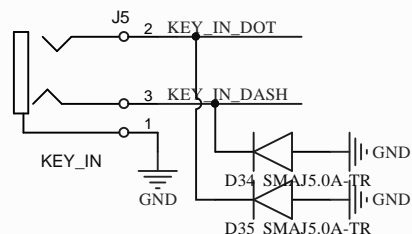
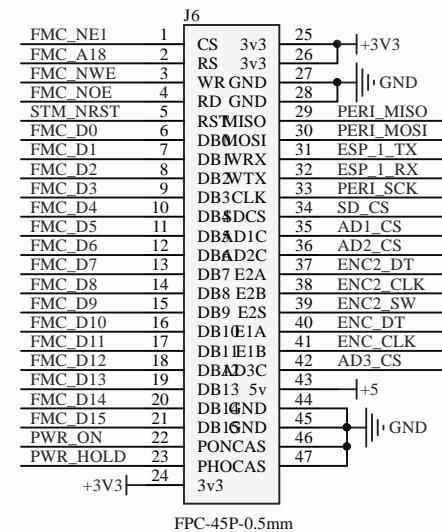
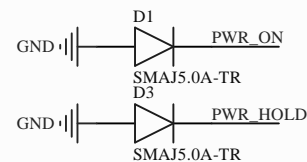
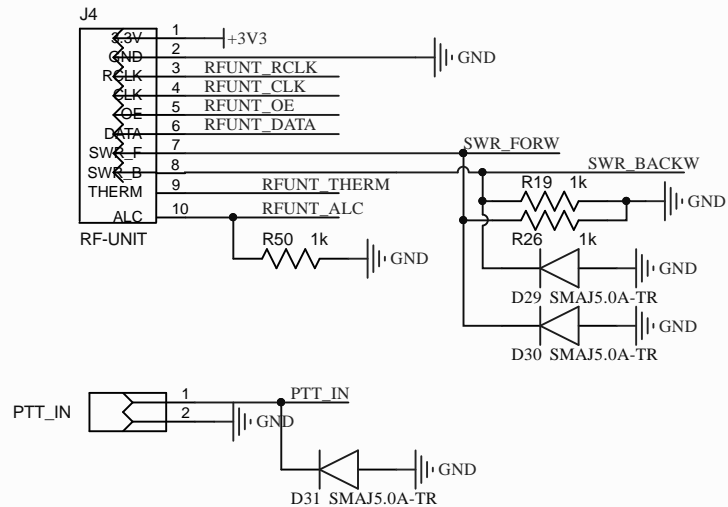
Date: 09.06.2021

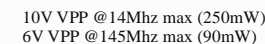
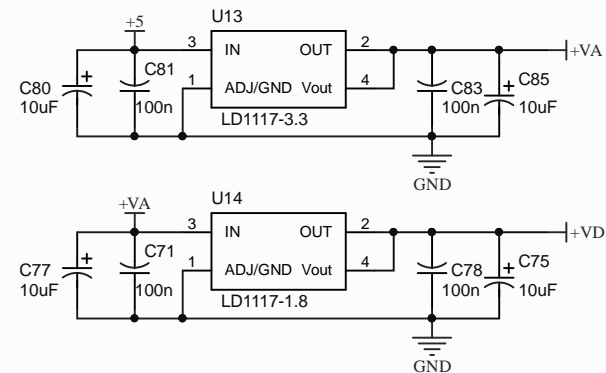
Time: 21:49:56


Sheet6 of 18

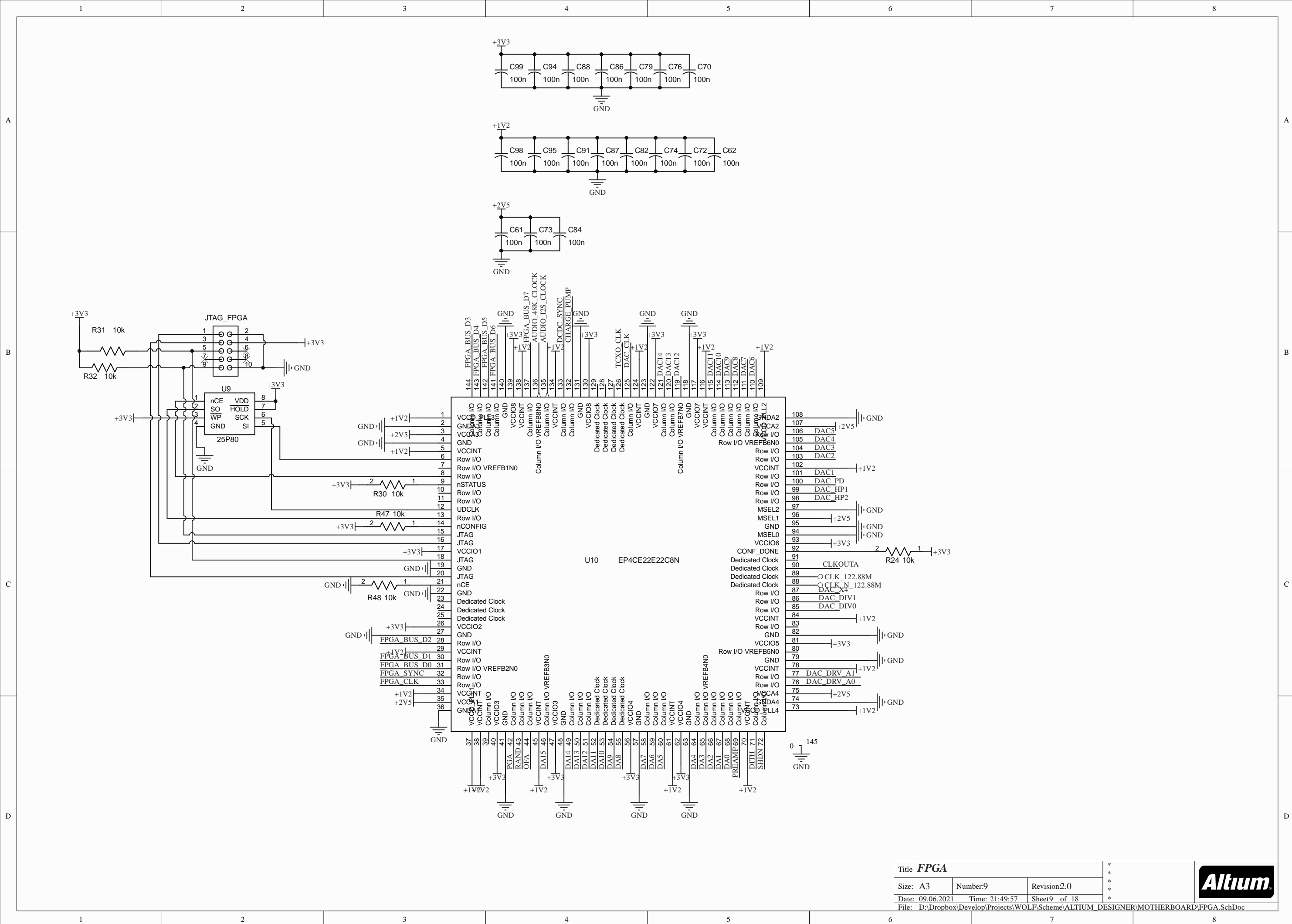
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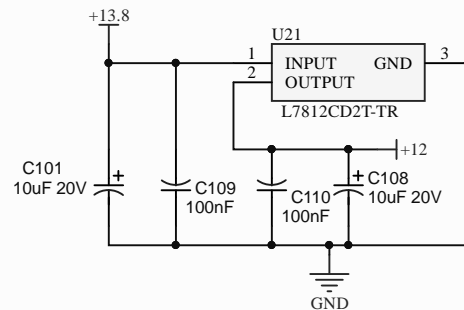
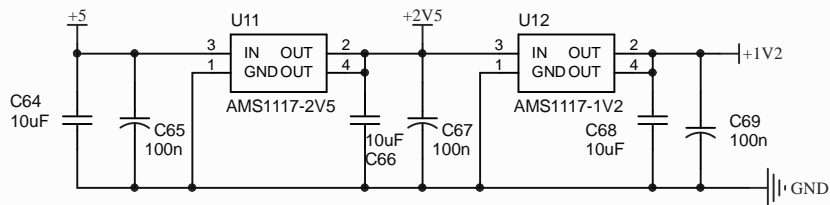
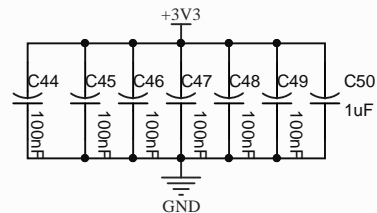
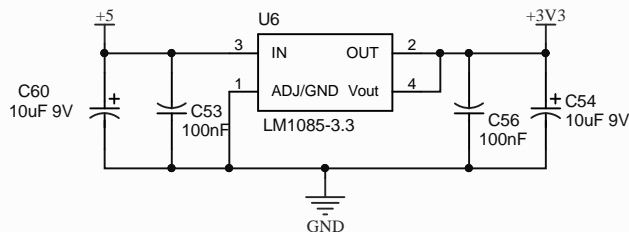
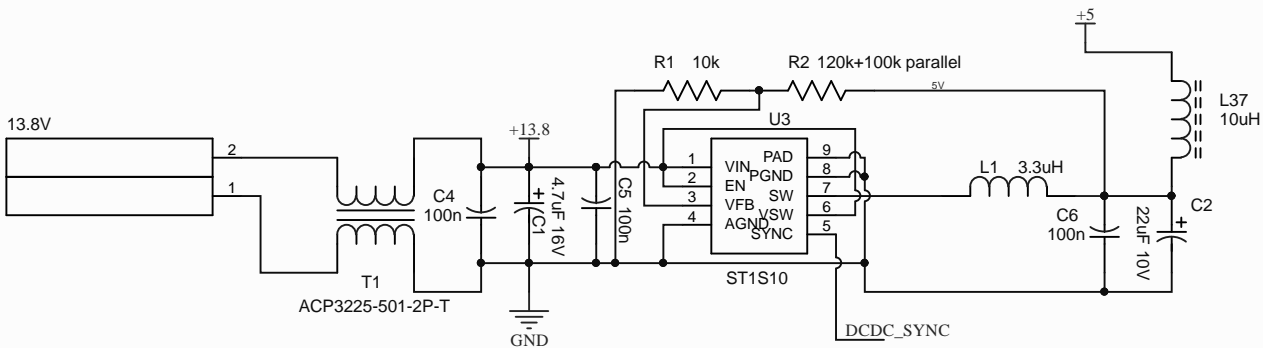


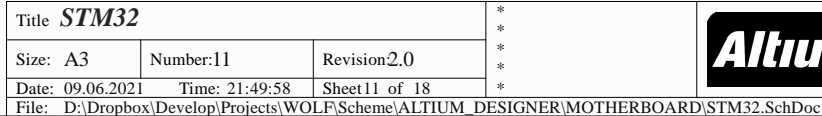




Title DAC			* * * * *	
Size: A4	Number:8	Revision:2.0		
Date: 09.06.2021	Time: 21:49:57	Sheet8 of 18		
File: D:\Dropbox\Develop\Projects\WOLF\Scheme\ALTUM DESIGNER\MOTHERBOARD\DAC.SchDoc				







Comment	Description	Designator	Footprint	LibRef	Quantity	LCSC Part #
JQ2	JQ2	13.8V	JQ2	JQ2	1	
CR1220	BR1632AFA	B1	KISS-CR122001	BR1632AFA	1	
4.7uF 16V	2 Pin	BO01	51022-000	51022-000	1	
22uF 10V	CAPAE 4.3x4.3x4	C1	CAPAE 4.3x4.3x4	CAPAE 4.3x4.3x4	1	
100n	CAP 0805	C3, C4, C5, C6, C9	CAP 0805	CAP 0805	48	
1uF	CAP 0805	C7, C11, C12, C13	CAP 0805	CAP 0805	11	
100uF 10V	CAPAE 4.3x4.3x4	C8, C20, C22, C24	CAPAE 4.3x4.3x4	CAPAE 4.3x4.3x4	5	
470pF	CAP 0805	C10, C16	CAP 0805	CAP 0805	2	
10uF 10V	CAPAE 4.3x4.3x4	C25, C26, C29	CAPAE 4.3x4.3x4	CAPAE 4.3x4.3x4	3	
220pF	CAP 0805	C27, C28, C30	CAP 0805	CAP 0805	3	
220uF 10V	CAPAE 4.3x4.3x4	C33, C34	EEFCC_sizeC	CAPAE 4.3x4.3x4	2	
NONE	CAP 0805	C36	CAP 0805	CAP 0805	1	
2.2n	CAP 0805	C38	CAP 0805	CAP 0805	1	
6pF	CAP 0805	C38, C39	CAP 0805	CAP 0805	2	
10uF	CAP 0805	C40, C41, C50, C52	CAP 0805	CAP 0805	4	
22nF	CAP 0805	C42, C43	CAP 0805	CAP 0805	2	
100H	CAP 0805	C44, C45, C46, C47	CAP 0805	CAP 0805	18	
100uF 9V	CAPAE 4.3x4.3x4	C54, C60	CAPAE 4.3x4.3x4	CAPAE 4.3x4.3x4	4	
7.5p	CAP 0805	C55	CAP 0805	CAP 0805	1	
10n	CAP 0805	C63, C137	CAP 0805	CAP 0805	2	
10uF	C0805	C64, C66, C68	C0805	C0805	3	
10uF	EEFCC_sizeB	C75, C77, C80, C85	EEFCC_sizeB	EEFCC_sizeB	4	
470pF	CAP 0805	C90, C104	CAP 0805	CAP 0805	2	
100uF 20V	CAPAE 4.3x4.3x4	C101, C108	CAPAE 4.3x4.3x4	CAPAE 4.3x4.3x4	2	
1uF	CAP 1206	C102, C103	CAP 1206	CAP 1206	2	
680uF	CAP 1206	C105, C106	CAP 1206	CAP 1206	2	
22nF	[NoValue] EEFCC	C125, C126	TC3528-1411	EEFCC_sizeB	2	
10pF	CAP 0805	C127	CAP 0805	CAP 0805	1	
8.2pF	CAP 0805	C136	CAP 0805	CAP 0805	1	
SMAJ5,0AIR	Diode	D1, D3, D29, D30, D	SMBJ36CAIR	SMLV13V3	12	[NoParam], test
BAT54C	BAT54C	D2	BAT54C	BAT54C	1	
SJT-3522NG	SJT-3522NG	J1, J2, J3, J5	SJT-3522NG	SJT-3522NG	4	
RF-LM137	2-5 Pin	J4	90131-0106	90131-0106	1	
FPC-45P-05mm	Connector	J6	FH12545S05SH40	FH125-45S-0.59156	1	
FAN	51022-000	J7	51022-000	51022-000	1	
USB	2-173405-3	J8	2-173405-3	2-173405-3	1	
DAC OUF	SMA	J9	31-5431	31-5431	1	
ADC	SMA	J10	31-5431	31-5431	1	
	2-5 Pin	JTAG, FPGA, JTAG	1DC10	1DC10	2	
3.3uH	IND 1812	L1	IND 1812	IND 1812	1	
FB	Ferrite bead on con	L3, L8	IND_FERRITE_BEAD	IND_FERRITE_BEAD	2	
22uH	IND 1206	L7	IND 1206	IND 1206	1	
10uH	Inductor	L37	IND_FERRITE_CORE	IND_FERRITE_CORE	1	
MIC_IN	2 Pin	MIC_IN	51022-000	51022-000	1	
PTT_IN	51022-000	PTT_IN	51022-000	51022-000	1	
2SC51031P	Transistor BJT NPN	Q1	2SC51031Q	2SC51031P	1	
10k	RES 0805	R1, R10, R13, R24	RES 0805	RES 0805	19	
120k+100k	RES 0805	R2	RES 0805	RES 0805	1	
0/NONE	Byused crystal	R3	RES 0805	RES 0805	1	
5.6k	RES 0805	R5, R6, R7, R9, R51	RES 0805	RES 0805	5	
30k	RES 0805	R8, R55	RES 0805	RES 0805	2	
680	RES 0805	R11	RES 0805	RES 0805	1	
47k	RES 0805	R12, R14, R15, R65	RES 0805	RES 0805	4	
1.5k	RES 0805	R16, R66	RES 0805	RES 0805	2	
1k	RES 0805	R17, R18, R19, R23	RES 0805	RES 0805	8	
127	RES 0805	R20, R21	RES 0805	RES 0805	2	
825	RES 0805	R22, R23	RES 0805	RES 0805	2	
1m	RES 0805	R29	RES 0805	RES 0805	1	
100	RES 0805	R34, R35	RES 0805	RES 0805	2	
22	RES 0805	R40, R53, R54, R68	RES 0805	RES 0805	4	
2k	RES 0805	R41, R42, R43, R64	RES 0805	RES 0805	5	
56	RES 0805	R44, R67	RES 0805	RES 0805	2	
	RES 0805	R59, R60	RES 0805	RES 0805	2	
330	RES 0805	R61	RES 0805	RES 0805	1	
5.6	RES 1206	R62, R63	RES 1206	RES 1206	2	
10	RES 0805	R68, R69	RES 0805	RES 0805	2	
Thermistor 2k	Thermistor	R70	MF52A103F3950A	MF52A103F3950A	1	
ADJ-5k	3061	R71	3061	3061	1	
ACP3225-5012P-T	Transformer	T1	TRANSF_ICORE	TRANSF_ICORE	1	
1:1=1	Transformer	T3	TRANSF_ACORE2	TRANSF_ACORE2	1	
1:4 ADT4-61	Transformer	T4	TRANSF_ACORE2	TRANSF_ACORE2	1	
1:1	Transformer	T6	TRANSF_ACORE	TRANSF_ACORE	1	
PAM8406	PAM8406	U1	PAM8406	PAM8406	1	
UD3985	UD3985	U2	UD3985	UD3985	1	
ST1S10	ST1S10	U3	ST1S10	ST1S10	1	
WM8731	WM8731	U4	WM8731	WM8731	1	
STM32H743V116-49	STM32H743V116	U5	STM32H743V116	STM32H743V116	1	
UM1085-33	UM1085-33	U6	UM1085-33	UM1085-33	1	
W2536	W2536	U7	W2536	W2536	1	
DACS6741HP	Integrated Cmlt	U8	QFP50P900X900X	DACS6741HP	1	
25R80	25R80	U9	25R80	25R80	1	
EP4CE22E22XN	EP4CE22E22XN	U10	QFP144-20-2220A	EP4CE22E22XN	1	
AMS1117-26	AMS1117-26	U11	AMS1117	AMS1117	1	
AMS1117-30	AMS1117-30	U12	AMS1117	AMS1117	1	
LD1117-33	LD1117CST-33	U13, U18	LD1117CST-33	LD1117CST-33	2	
LD1117-18	LD1117CST-18	U14	LD1117CST-33	LD1117CST-33	1	
SPEAKER	4 pins conn	U15	speaker.com	speaker.com	1	
LTC2208QP	LTC2208QP	U16	LTC2208QP	LTC2208QP	1	
LTC6400IU0-20PH	Single Channel, Low	U17	LT-UD-16_N	CMP-0359-0.3852	1	
ADUM1608RWZ	Integrated Cmlt	U19	SOIC12-PIN1632X26	ADUM1608RWZ	1	
OPA2673IRW	Integrated Cmlt	U20	QFN65P400X400X	OPA2673IRW	1	
L7812CD2T-1R	Integrated Cmlt	U21	L7812CD2T-1R	L7812CD2T-1R	1	
122.8MHz	NV7050A	XG1	NV7050A	NV7050A	1	
12.28MHz TCXO 3	Crystal Oscillator	XG2	581L200X21T	581L200X21T	1	
ABS25-32.768KHz4	Crystal Oscillator	Y1	ABS25	ABS25-32.768KHz4	1	
8mhz	ECS-200-3D1	Y2	ECS-200-3D1	ECS-200-3D1	1	