

Title **CLOCK_GENERATOR**

Size: A4

Number:6

Revision:2.0

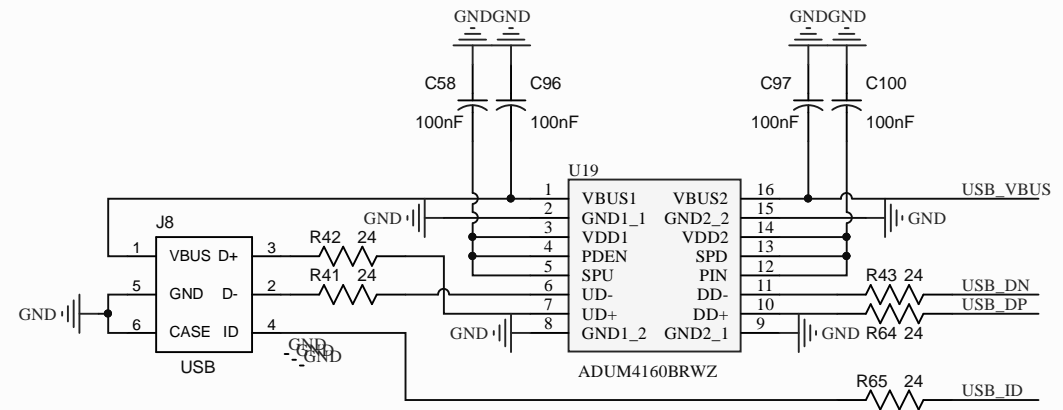
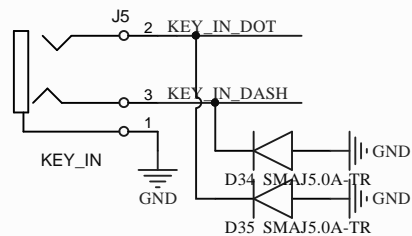
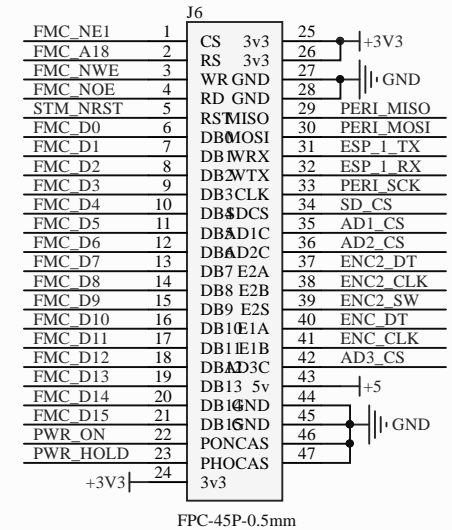
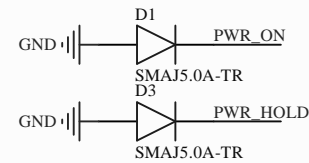
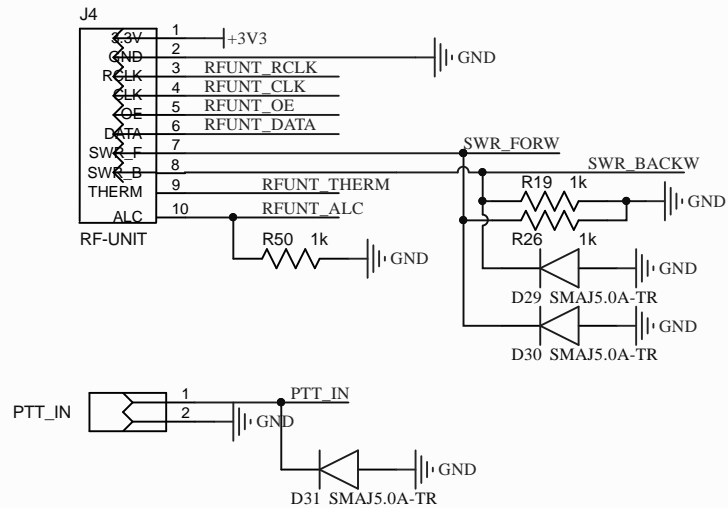
Date: 24.03.2021

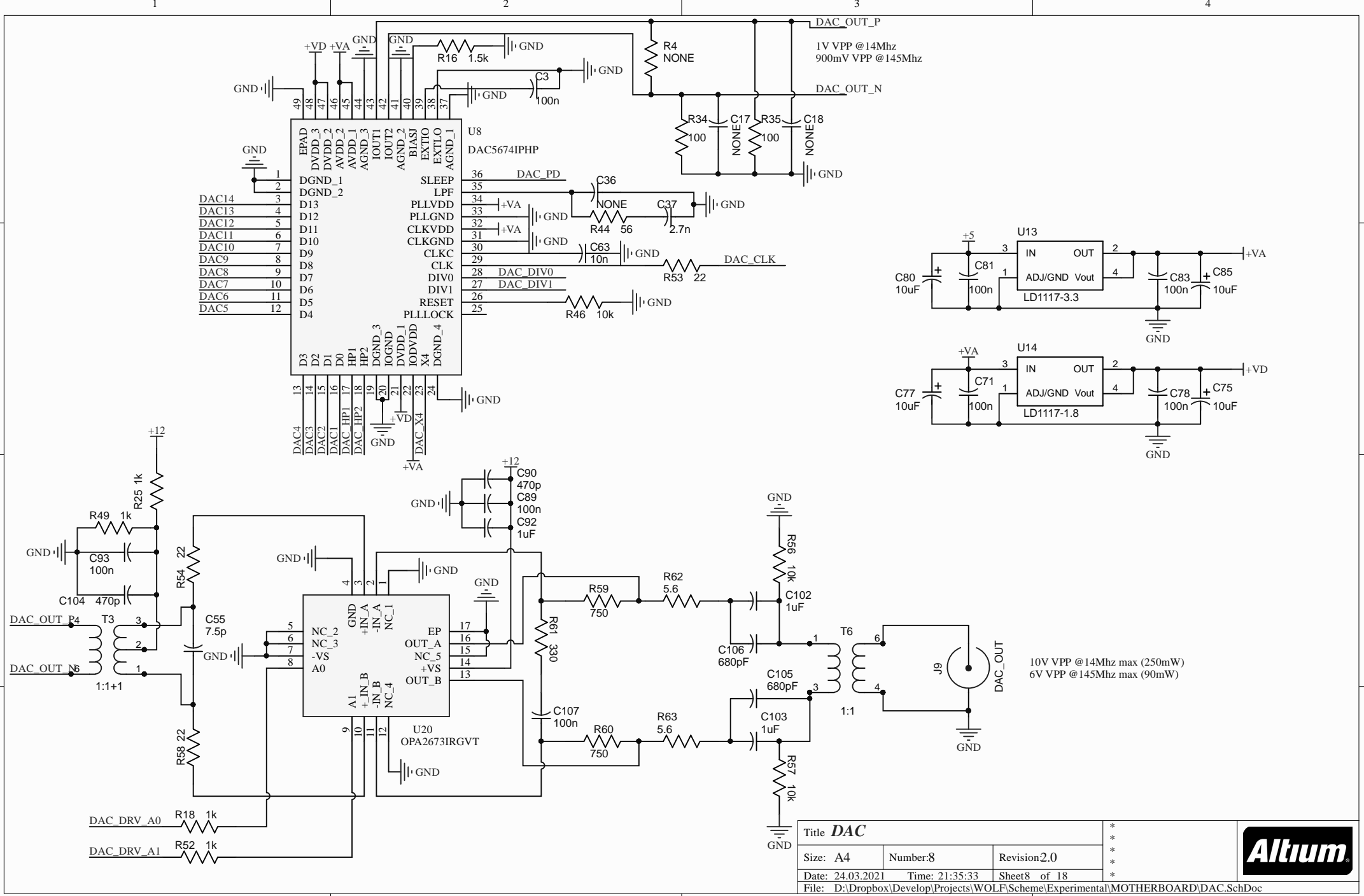
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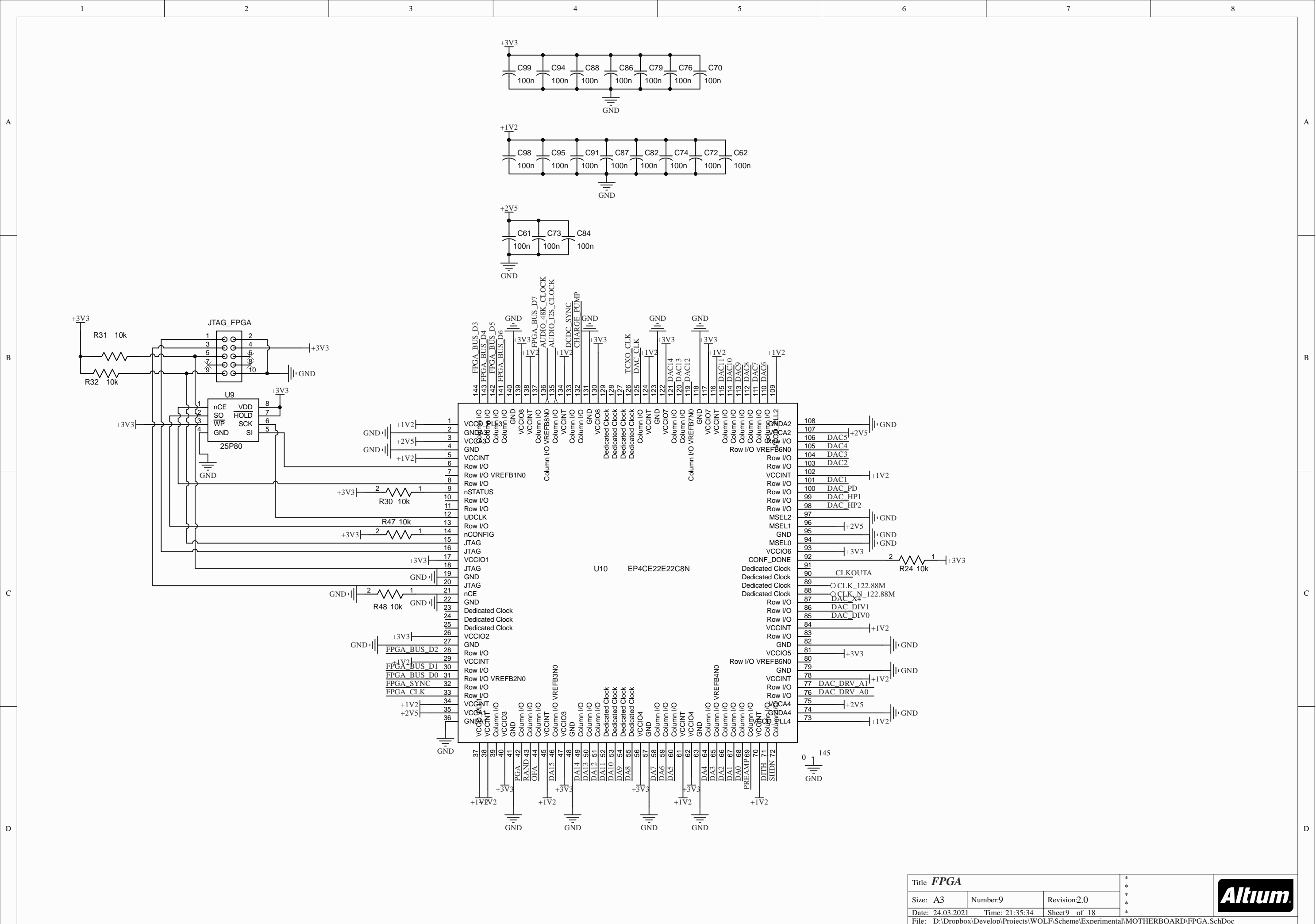
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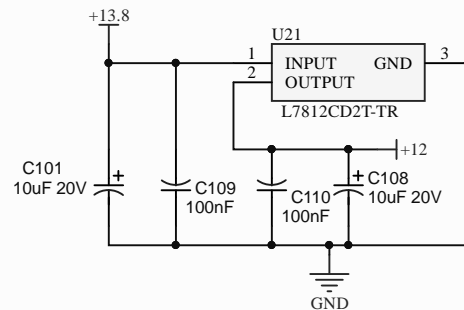
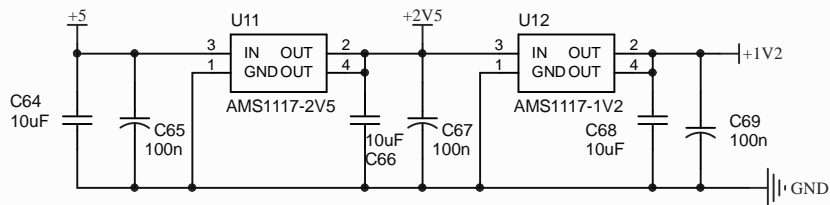
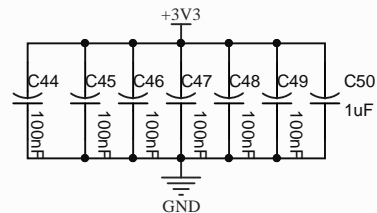
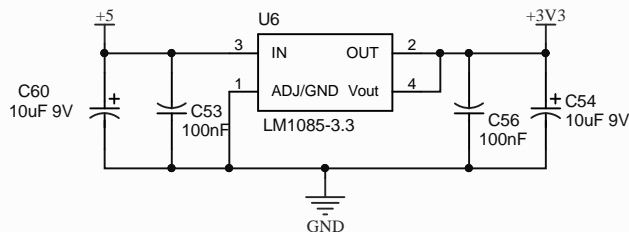
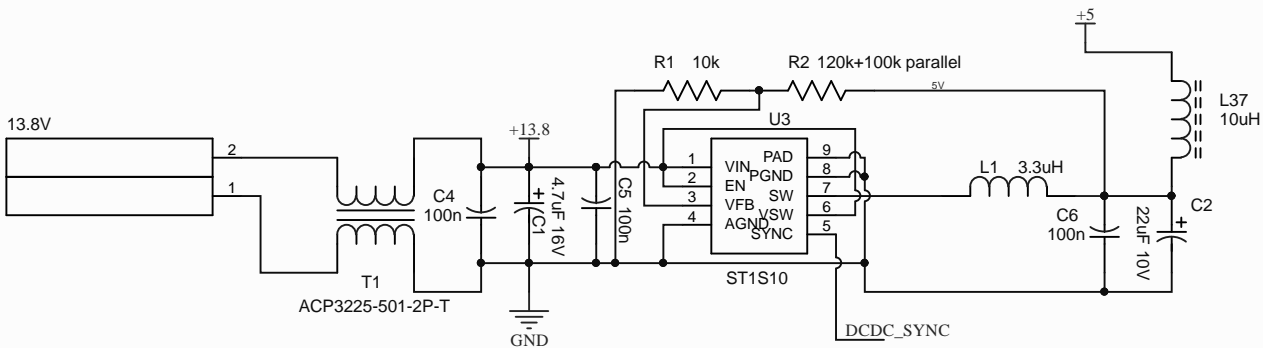
File: D:\Dropbox\Develop\Projects\WOLF\Scheme\Experimental\MOTHERBOARD\CLOCK_GENERATOR.SchDoc











Comment	Description	Designatr	Footpht	LibRef	Quantity	UCSC Part #
JQ2	JQ2	13.8V	JQ2	JQ2	1	
CR1220	BR1632AFA	B1	KLS5-CR122001	BR1632AFA	1	
2 Pin	2 Pin	BOOI	51022.000	51022.000	1	
4.7uF 16V	CAPAE 4.3x4.3x4.3	C1	CAPAE 4.3x4.3x4.3	CAPAE 4.3x4.3x4.3	1	
22uF 10V	CAPAE 4.3x4.3x4.3	C2	CAPAE 4.3x4.3x4.3	CAPAE 4.3x4.3x4.3	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 4.3x4.3x4.3	C8, C20, C22, C24	CAPAE 4.3x4.3x4.3	CAPAE 4.3x4.3x4.3	5	
470F	CAP.0805	C10, C16	CAP.0805	CAP.0805	2	
NONE	CAP.0805	C17, C18, C26	CAP.0805	CAP.0805	3	
1uF 10V	CAPAE 4.3x4.3x4.3	C25, C26, C29	CAPAE 4.3x4.3x4.3	CAPAE 4.3x4.3x4.3	3	
220pF	CAP.0805	C27, C28, C30	CAP.0805	CAP.0805	3	
220uF 10V	CAPAE 4.3x4.3x4.3	C33, C34	EEEF, sizeB	CAPAE 4.3x4.3x4.3	2	
2.2n	CAP.0805	C37	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	
22pF	CAP.0805	C42, C43	CAP.0805	CAP.0805	2	
100pF	CAP.0805	C44, C45, C46, C47	CAP.0805	CAP.0805	18	
100uF 9V	CAPAE 4.3x4.3x4.3	C54, C60, C101, C102	CAPAE 4.3x4.3x4.3	CAPAE 4.3x4.3x4.3	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	EEEF, sizeB	C75, C77, C80, C85	EEEF, sizeB	EEEF, sizeB	4	
470p	CAP.0805	C90, C104	CAP.0805	CAP.0805	2	
1uF	CAP.1206	C102, C103	CAP.1206	CAP.1206	2	
680pF	CAP.1206	C105, C106	CAP.1206	CAP.1206	2	
22pF	[NoValue] EEEFC	C125, C126	TC5528-1H1	EEEF, sizeB	2	
10uF	CAP.0805	C127	CAP.0805	CAP.0805	1	
8.2pF	CAP.0805	C136	CAP.0805	CAP.0805	1	
SMAJ5, 0A1R	Diode	D1, D3, D29, D30, D	SMBJ36CAIR	SMLV13V5	12	[NoParam], 1st
BAT54C	BAT54C	D2	BAT54C	BAT54C	1	
SJ1-3529G	SJ1-3529G	J1, J2, J3, J5	SJ1-3529G	SJ1-3529G	4	
RF UNIT	215 Ph	J4	901311026	901311026	1	
FPC-45P-05mm	Connector	J6	FH12545505940	FH125-45S-D, 9H156	1	
FAN	51022.000	J7	51022.000	51022.000	1	
USB	2-173405-3	J8	2-173405-3	2-173405-3	1	
DAC_OUT	SMA	J9	31-5431	31-5431	1	
ADC	SMA	J10	31-5431	31-5431	1	
215 Ph	JTAG, FPGA, JTAG	J11	10C10	10C10	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	14-120	IND.1206	1	
10uH	Inductor	L37	IND. FERRITE CORE	IND. FERRITE CORE	1	
MIC_IN2	2 Pin	MIC_IN2	51022.000	51022.000	1	
P11_N	P11_N	P11_N	51022.000	51022.000	1	
25C51031P	Transistor BJT NPN	Q1	25C51031Q	25C51031P	1	
10k	RES.0805	R1, R10, R13, R24	RES.0805	RES.0805	19	
120k+ 10k	RES.0805	R2	RES.0805	RES.0805	1	
0/NONE	Byused crystal	R3	RES.0805	RES.0805	1	
NONE	RES.0805	R4	RES.0805	RES.0805	1	
5.6k	RES.0805	R5, R6, R7, R9, R61	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	
5k	RES.0805	R44, R67	RES.0805	RES.0805	2	
750	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	30k	R71	30k	30k	1	
ACP3225-5012P-1	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	
LD3985	LD3985	U2	LD3985	LD3985	1	
ST1S10	ST1S10	U3	ST1S10	ST1S10	1	
WM8731	WM8731	U4	WM8731	WM8731	1	
STM32H743V16-49	STM32H743V16	U5	STM32H743V16	STM32H743V16	1	
UM1085-33	UM1085-33	U6	UM1085-33	UM1085-33	1	
W2536	W2536	U7	W2536	W2536	1	
DACS6741HP	Integrated Cmut	U8	QFP50P900X900X	DACS6741HP	1	
25R80	25R80	U9	25R80	25R80	1	
EP4CE22E22XN	EP4CE22E22XN	U10	QFP144-20-222A	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	
ADUM1160BRWZ	Integrated Cmut	U19	SOIC12-PIN1032X2	ADUM1160BRWZ	1	
OPA2673IRW	Integrated Cmut	U20	QFN65P400X400X	OPA2673IRW	1	
L7812CD2T-1R	Integrated Cmut	U21	L7812CD2T-1R	L7812CD2T-1R	1	
122.8MHz	NV7050A	XG1	NV7050A	NV7050A	1	
12.28MHz TCXO 3	Crystalator Oscillator	XG2	58T1200X2H1	58T1200X2H1	1	
ABS25-32.768KHz4	Crystalator Oscillator	Y1	ABS25	ABS25-32.768KHz4	1	
8mhz	ECS-200-3D1	Y2	ECS-200-3D1	ECS-200-3D1	1	