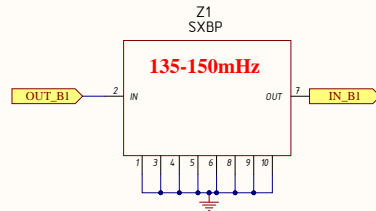
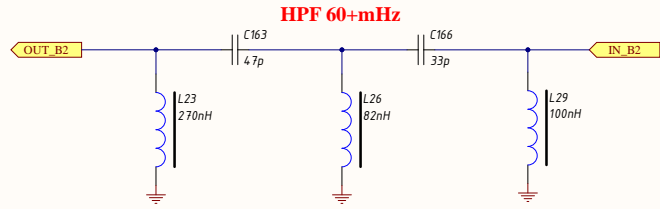
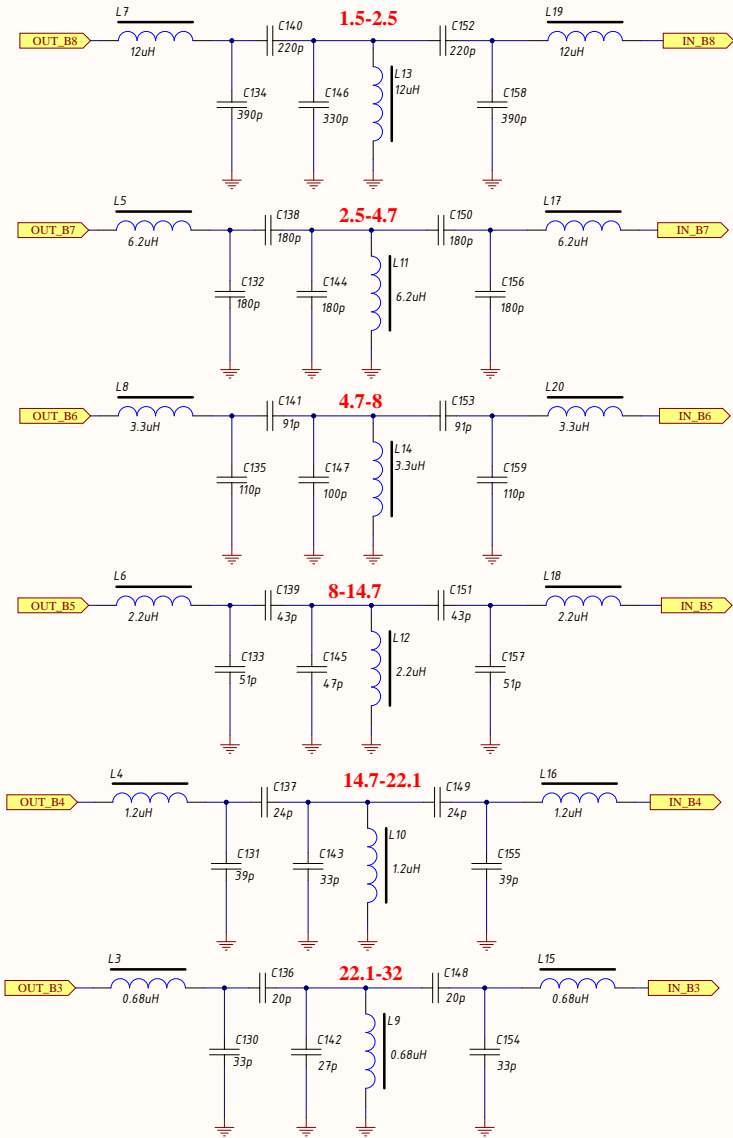
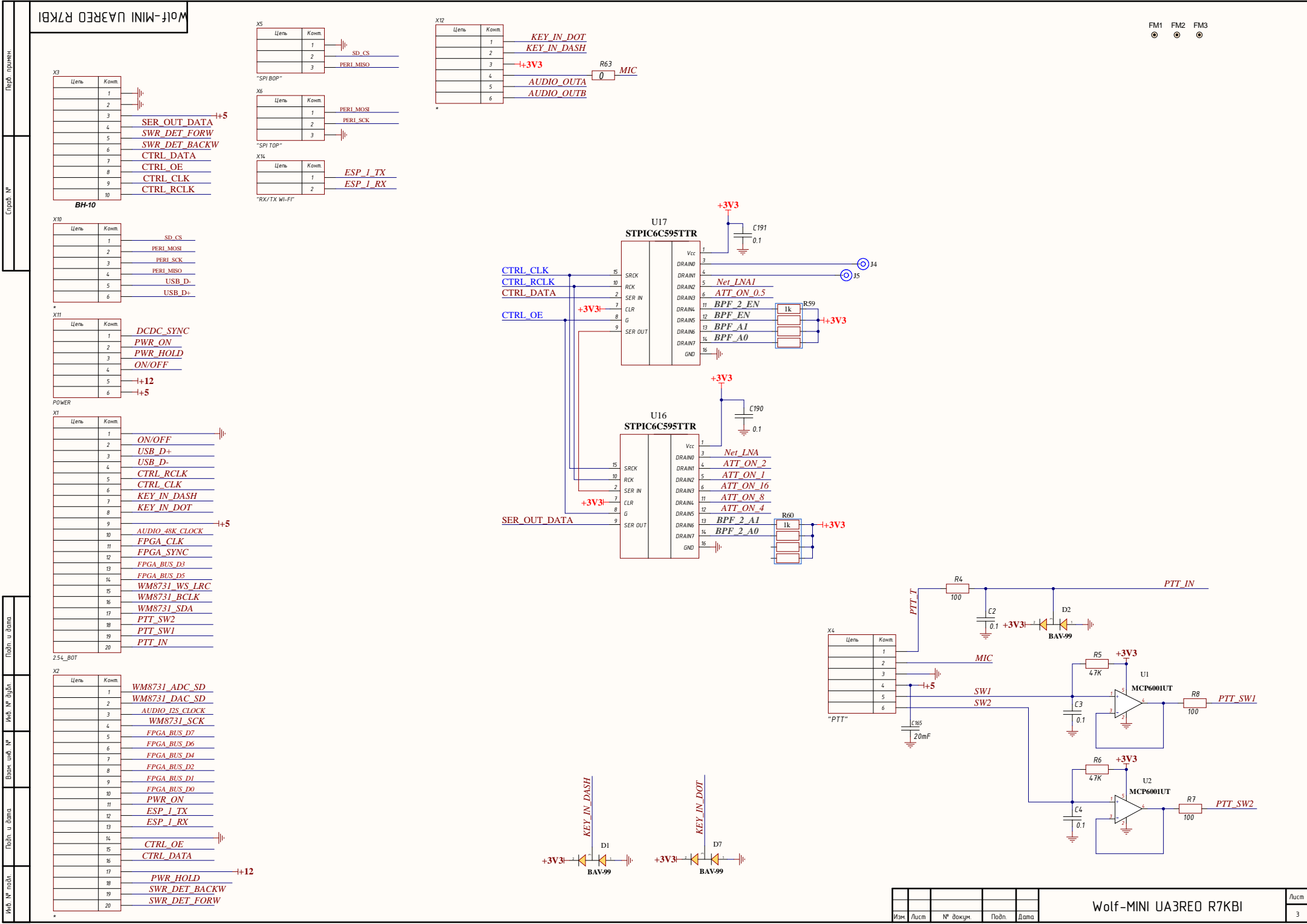
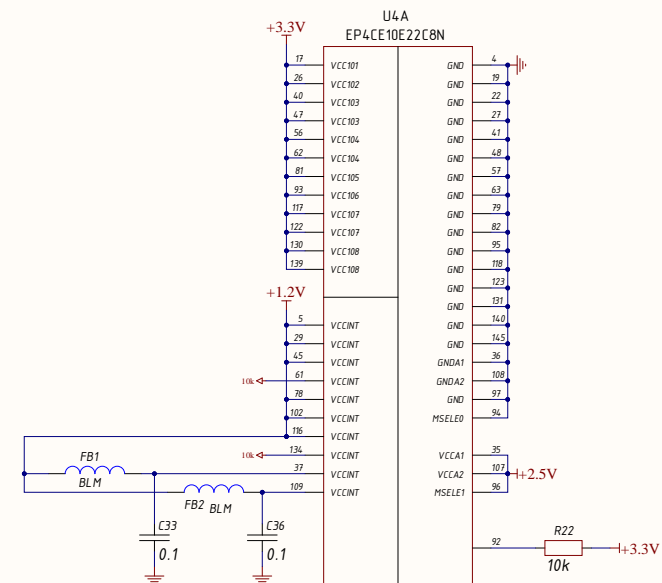
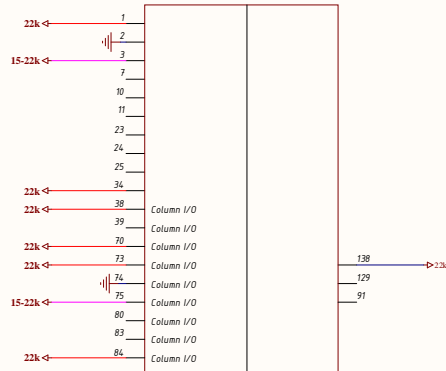
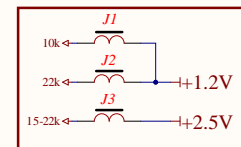
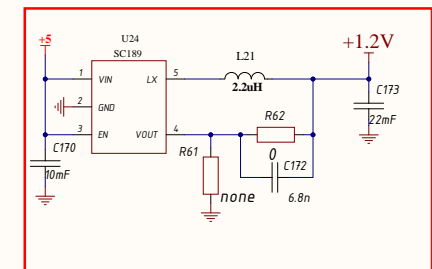
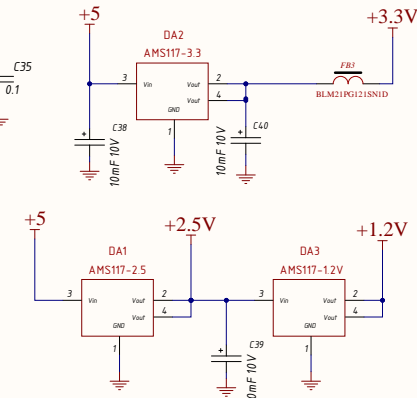
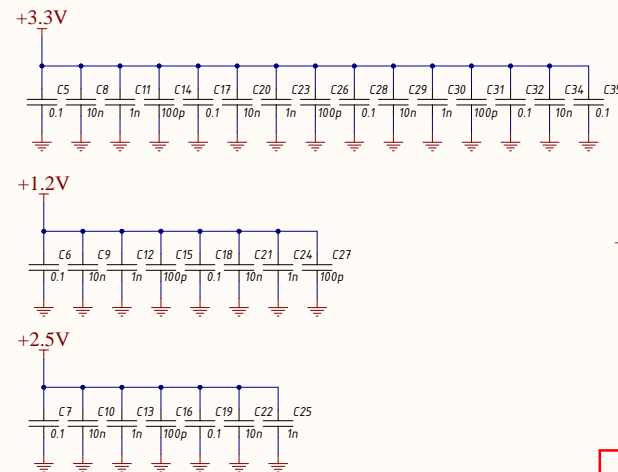


Wolf-MINI UA3REO R7KBI

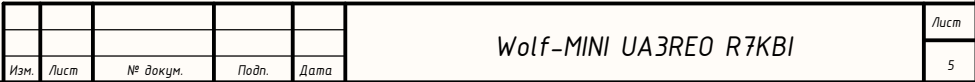


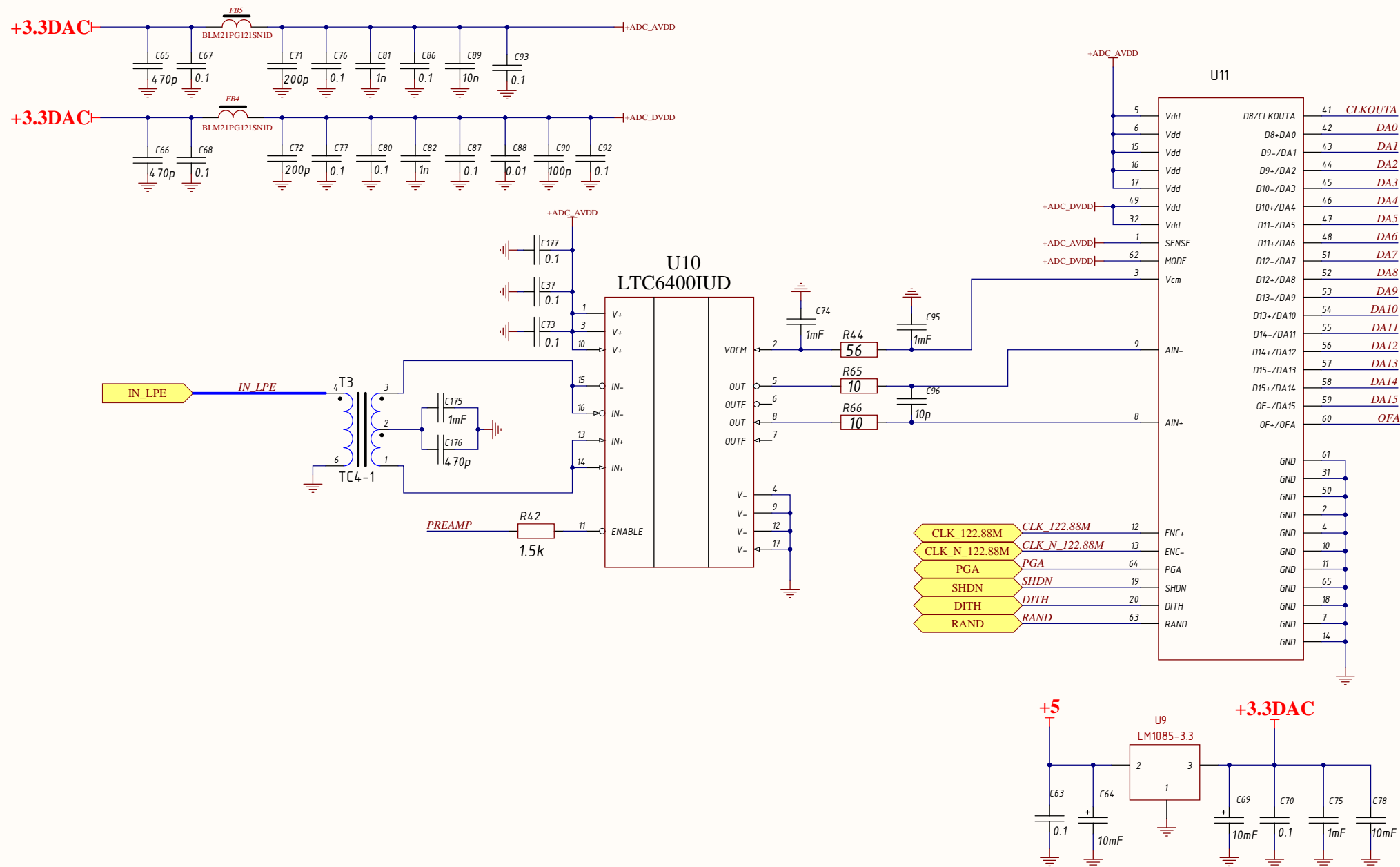


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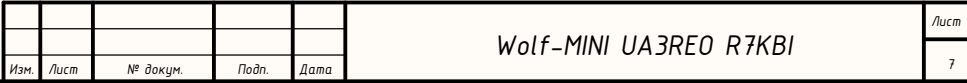


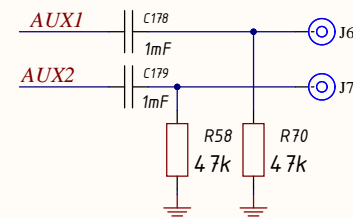
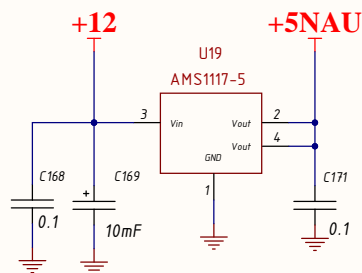
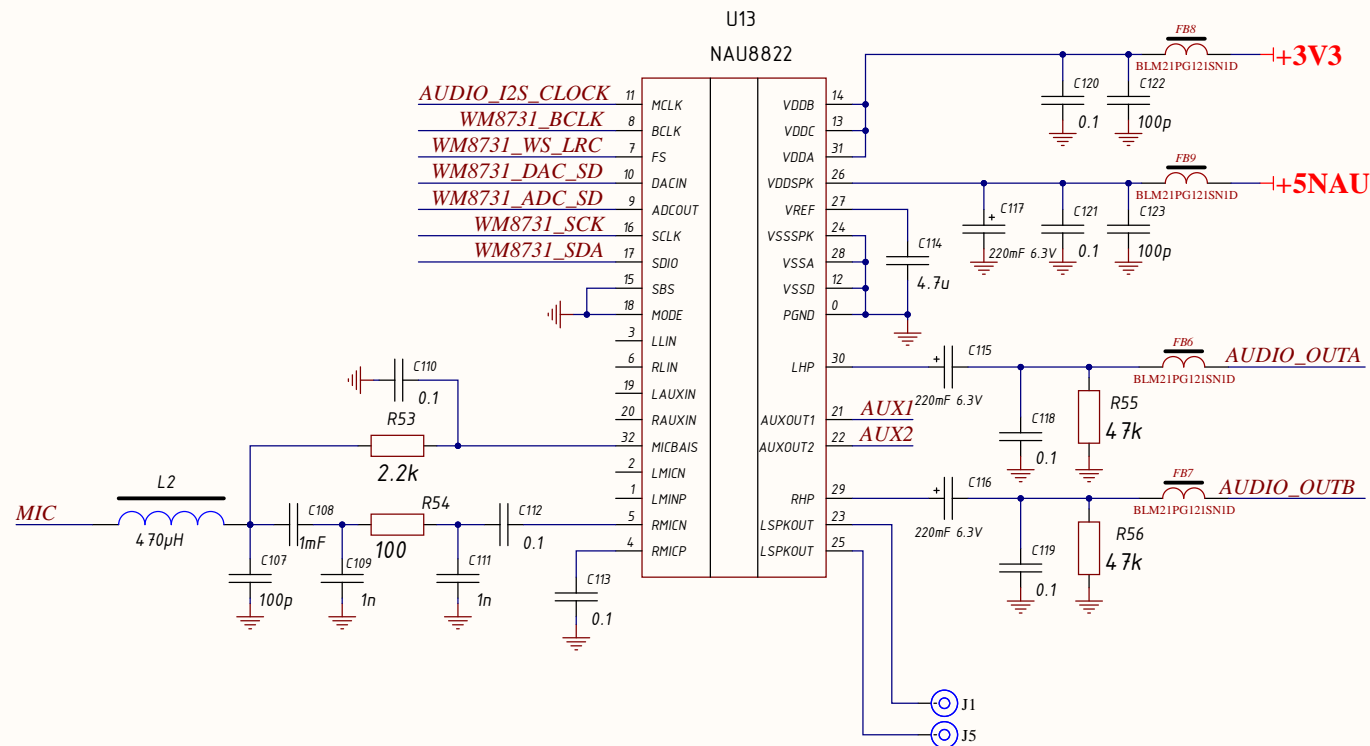
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			EP4C10E22C8N	
FPGA_BUS_D0	22	R9 31	Row I/O VREFB2NO	85 DAC_DIV0
FPGA_BUS_D1	22	R10 30	Column I/O	86 DAC_DIV1
FPGA_BUS_D2	22	R11 28	Row I/O	87 DAC_X4
FPGA_BUS_D3	22	R12 144	Column I/O	89 DAC_HP1
FPGA_BUS_D4	22	R13 143	Column I/O	98 DAC_HP2
FPGA_BUS_D5	22	R14 142	Column I/O	100 DAC_PD
FPGA_BUS_D6	22	R15 141	Column I/O	101 DAC1
FPGA_BUS_D7	22	R16 137	Column I/O	103 DAC2
FPGA_SYNC	22	R17 32	Row I/O	104 DAC3
FPGA_CLK	22	R18 33	Row I/O VREFB6NO	105 DAC4
			Row I/O	106 DAC5
DA0	68	Column I/O	Column I/O	110 DAC6
DA1	67	Column I/O	Column I/O	111 DAC7
DA2	66	Column I/O	Column I/O	112 DAC8
DA3	65	Column I/O VREFB4NO	Column I/O	113 DAC9
DA4	64	Column I/O	Column I/O VREFB4NO	114 DAC10
DA5	60	Column I/O	Column I/O	115 DAC11
DA6	59	Column I/O	Column I/O	119 DAC12
DA7	58	Column I/O	Column I/O	120 DAC13
DA8	55	Dedicated Clock	Dedicated Clock	121 DAC14
DA9	54	Dedicated Clock	MSEL2	125 DAC_CLK
DA10	53	Dedicated Clock	Column I/O	76 DAC_DRV_A0
DA11	52	Dedicated Clock	Column I/O	77 DAC_DRV_A1
DA12	51	Column I/O	Column I/O	128
DA13	50	Column I/O	Column I/O	127
DA14	49	Column I/O	Column I/O	124 → 22k
DA15	46	Column I/O	Column I/O	
CLK_N_122.88M	88	Dedicated Clock	Column I/O	43 RAND
CLK_122.88M	89	Dedicated Clock	Column I/O	44 OFA
PGA	42	Column I/O	Column I/O	69 PREAMP
			Column I/O	71 DITH
			Column I/O	72 SHDN
			Dedicated Clock	90 CLKOUTA
			Dedicated Clock	126 TXCO_CLK
			Column I/O	133 CDCDC_SYNC
			Column I/O	132 CHARGE_PUMP
			Column I/O	135 AUDIO_I2S_CLOCK
			Column I/O VREFB8NO	136 AUDIO_48K_CLOCK





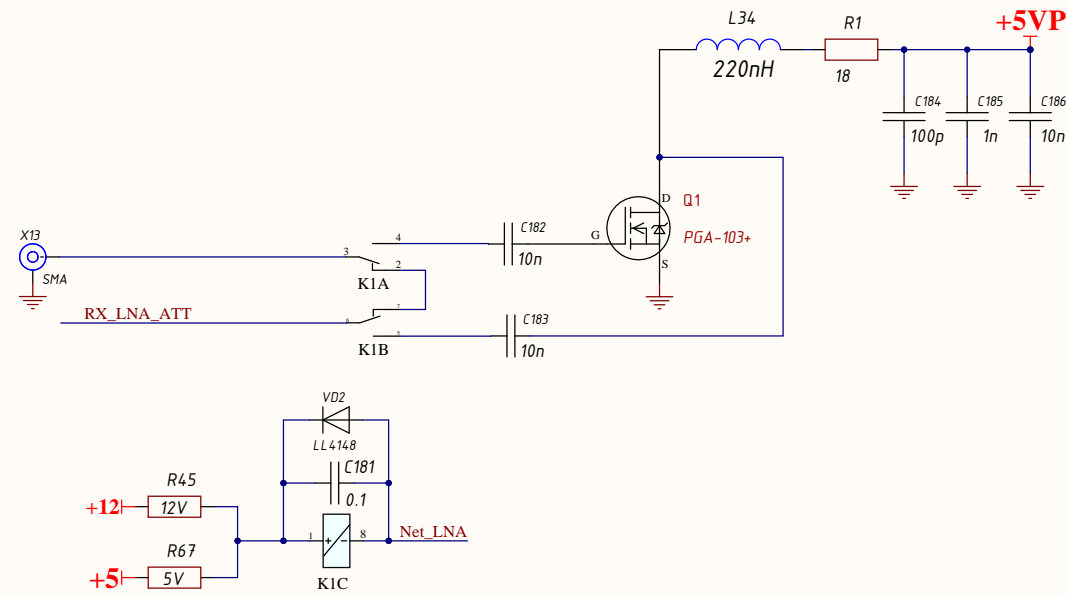
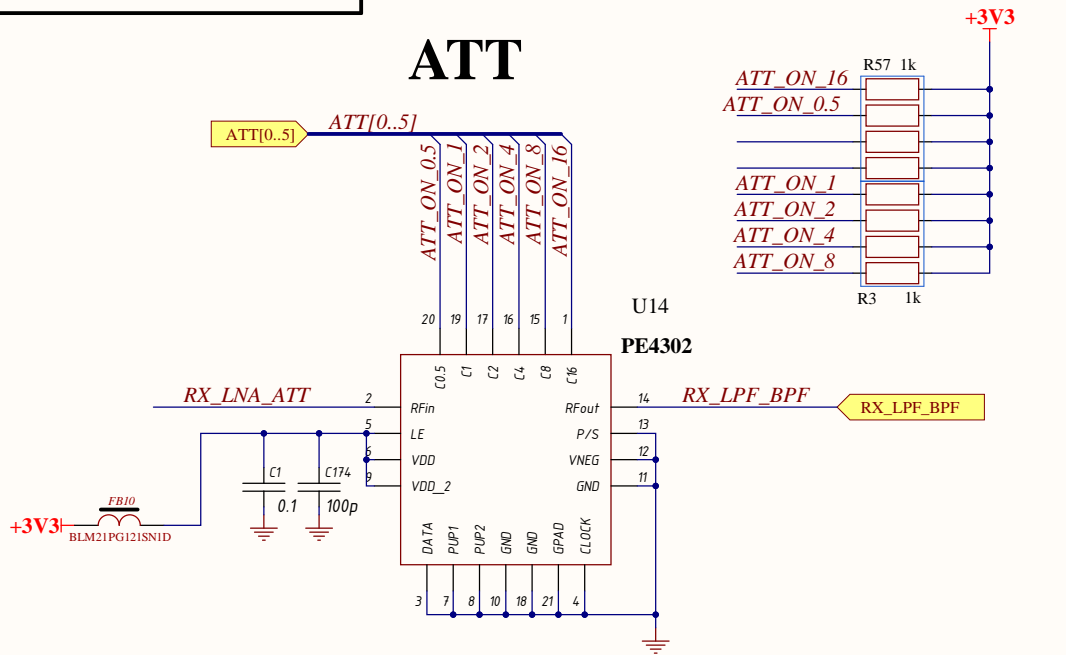
Подп. и дата	
Инв. № дубл.	
Взам. инв. №	
Подп. и дата	
Инв. № подл.	



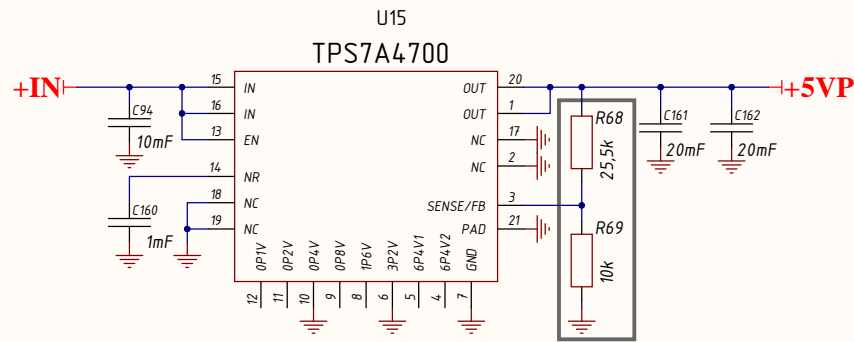
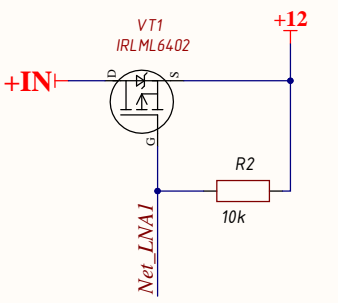


Инв. № подл.	Подп. и дата	Взам. инв. №	Инв. № дубл.	Подп. и дата

ATT



Изм.	Лист	№ докум.	Подп.	Дата



Изм.	Лист	№ докум.	Подп.	Дата	Wolf-MINI UA3REO R7KBI	Лист
						9

Comment	Description	Designator	Footprint	Value	Quantity
C1	[PartValue] C14663, C100042	C11 C2 C3 C4 C5 C6 C7 C11 C14 C16 C26 C32 C33 C35 C46 C37 C41 C42 C46 C47 C48 C52 C56 C58 C64 C65 C68 C70 C73 C76 C77 C81 C86 C87 C92 C93 C100 C103 C106 C110 C112 C113 C116 C118 C120 C121 C124 C125 C126 C127 C128 C129 C166 C171 C177 C181 C190 C195	CH0603C	Capacitor	58
		C8 C9 C10 C20 C21 C22 C29 C34 C35 C54 C59 C102 C105 C183 C185	CH0603C	Capacitor	15
		C11 C12 C13 C15 C24 C25 C30 C36 C60 C109 C111 C180	CH0603C	Capacitor	12
		C14 C15 C16 C17 C18 C27 C31 C31 C36 C107 C112 C113 C141 C142 C143	CH0603C	Capacitor	14
		C10 C20 C40 C50 C58	TANTAL_A	TantalCap	5
		C45 C46 C46 C109 C49 C55 C56 C58	TANTAL_A	TantalCap	4
		C50 C76	CH0603C	Capacitor	8
		C57 C59 C62 C74 C96 C100 C175 C138 C170	CH0603C	Capacitor	4
		C66 C67	CH0603C	Capacitor	2
		C68 C69	TANTAL_B	TantalCap	2
		C73 C72	CH0603C	Capacitor	2
		C76 C97	CH1206C	Capacitor	2
		C78	CH1206C	Capacitor	1
		C79	CH1206C	Capacitor	1
		C80	CH1206C	Capacitor	1
C2	[PartValue] C100041	C11 C12 C13 C15 C24 C25 C30 C36 C60 C109 C111 C180	CH0603C	Capacitor	12
		C14 C15 C16 C17 C18 C27 C31 C31 C36 C107 C112 C113 C141 C142 C143	CH0603C	Capacitor	14
		C10 C20 C40 C50 C58	TANTAL_A	TantalCap	5
		C45 C46 C46 C109 C49 C55 C56 C58	TANTAL_A	TantalCap	4
		C50 C76	CH0603C	Capacitor	8
		C57 C59 C62 C74 C96 C100 C175 C138 C170	CH0603C	Capacitor	4
		C66 C67	CH0603C	Capacitor	2
		C68 C69	TANTAL_B	TantalCap	2
		C73 C72	CH0603C	Capacitor	2
		C76 C97	CH1206C	Capacitor	2
		C78	CH1206C	Capacitor	1
		C79	CH1206C	Capacitor	1
		C80	CH1206C	Capacitor	1
		C82	CH0603C	Capacitor	1
		C83	CH0603C	Capacitor	1
C3	[PartValue] C100041	C11 C12 C13 C15 C24 C25 C30 C36 C60 C109 C111 C180	CH0603C	Capacitor	12
		C14 C15 C16 C17 C18 C27 C31 C31 C36 C107 C112 C113 C141 C142 C143	CH0603C	Capacitor	14
		C10 C20 C40 C50 C58	TANTAL_A	TantalCap	5
		C45 C46 C46 C109 C49 C55 C56 C58	TANTAL_A	TantalCap	4
		C50 C76	CH0603C	Capacitor	8
		C57 C59 C62 C74 C96 C100 C175 C138 C170	CH0603C	Capacitor	4
		C66 C67	CH0603C	Capacitor	2
		C68 C69	TANTAL_B	TantalCap	2
		C73 C72	CH0603C	Capacitor	2
		C76 C97	CH1206C	Capacitor	2
		C78	CH1206C	Capacitor	1
		C79	CH1206C	Capacitor	1
		C80	CH1206C	Capacitor	1
		C82	CH0603C	Capacitor	1
		C83	CH0603C	Capacitor	1
C4	[PartValue] C100041	C11 C12 C13 C15 C24 C25 C30 C36 C60 C109 C111 C180	CH0603C	Capacitor	12
		C14 C15 C16 C17 C18 C27 C31 C31 C36 C107 C112 C113 C141 C142 C143	CH0603C	Capacitor	14
		C10 C20 C40 C50 C58	TANTAL_A	TantalCap	5
		C45 C46 C46 C109 C49 C55 C56 C58	TANTAL_A	TantalCap	4
		C50 C76	CH0603C	Capacitor	8
		C57 C59 C62 C74 C96 C100 C175 C138 C170	CH0603C	Capacitor	4
		C66 C67	CH0603C	Capacitor	2
		C68 C69	TANTAL_B	TantalCap	2
		C73 C72	CH0603C	Capacitor	2
		C76 C97	CH1206C	Capacitor	2
		C78	CH1206C	Capacitor	1
		C79	CH1206C	Capacitor	1
		C80	CH1206C	Capacitor	1
		C82	CH0603C	Capacitor	1
		C83	CH0603C	Capacitor	1
C5	[PartValue] C100041	C11 C12 C13 C15 C24 C25 C30 C36 C60 C109 C111 C180	CH0603C	Capacitor	12
		C14 C15 C16 C17 C18 C27 C31 C31 C36 C107 C112 C113 C141 C142 C143	CH0603C	Capacitor	14
		C10 C20 C40 C50 C58	TANTAL_A	TantalCap	5
		C45 C46 C46 C109 C49 C55 C56 C58	TANTAL_A	TantalCap	4
		C50 C76	CH0603C	Capacitor	8
		C57 C59 C62 C74 C96 C100 C175 C138 C170	CH0603C	Capacitor	4
		C66 C67	CH0603C	Capacitor	2
		C68 C69	TANTAL_B	TantalCap	2
		C73 C72	CH0603C	Capacitor	2
		C76 C97	CH1206C	Capacitor	2
		C78	CH1206C	Capacitor	1
		C79	CH1206C	Capacitor	1
		C80	CH1206C	Capacitor	1
		C82	CH0603C	Capacitor	1
		C83	CH0603C	Capacitor	1
C6	[PartValue] C100041	C11 C12 C13 C15 C24 C25 C30 C36 C60 C109 C111 C180	CH0603C	Capacitor	12
		C14 C15 C16 C17 C18 C27 C31 C31 C36 C107 C112 C113 C141 C142 C143	CH0603C	Capacitor	14
		C10 C20 C40 C50 C58	TANTAL_A	TantalCap	5
		C45 C46 C46 C109 C49 C55 C56 C58	TANTAL_A	TantalCap	4
		C50 C76	CH0603C	Capacitor	8
		C57 C59 C62 C74 C96 C100 C175 C138 C170	CH0603C	Capacitor	4
		C66 C67	CH0603C	Capacitor	2
		C68 C69	TANTAL_B	TantalCap	2
		C73 C72	CH0603C	Capacitor	2
		C76 C97	CH1206C	Capacitor	2
		C78	CH1206C	Capacitor	1
		C79	CH1206C	Capacitor	1
		C80	CH1206C	Capacitor	1
		C82	CH0603C	Capacitor	1
		C83	CH0603C	Capacitor	1
C7	[PartValue] C100041	C11 C12 C13 C15 C24 C25 C30 C36 C60 C109 C111 C180	CH0603C	Capacitor	12
		C14 C15 C16 C17 C18 C27 C31 C31 C36 C107 C112 C113 C141 C142 C143	CH0603C	Capacitor	14
		C10 C20 C40 C50 C58	TANTAL_A	TantalCap	5
		C45 C46 C46 C109 C49 C55 C56 C58	TANTAL_A	TantalCap	4
		C50 C76	CH0603C	Capacitor	8
		C57 C59 C62 C74 C96 C100 C175 C138 C170	CH0603C	Capacitor	4
		C66 C67	CH0603C	Capacitor	2
		C68 C69	TANTAL_B	TantalCap	2
		C73 C72	CH0603C	Capacitor	2
		C76 C97	CH1206C	Capacitor	2
		C78	CH1206C	Capacitor	1
		C79	CH1206C	Capacitor	1
		C80	CH1206C	Capacitor	1
		C82	CH0603C	Capacitor	1
		C83	CH0603C	Capacitor	1
C8	[PartValue] C100041	C11 C12 C13 C15 C24 C25 C30 C36 C60 C109 C111 C180	CH0603C	Capacitor	12
		C14 C15 C16 C17 C18 C27 C31 C31 C36 C107 C112 C113 C141 C142 C143	CH0603C	Capacitor	14
		C10 C20 C40 C50 C58	TANTAL_A	TantalCap	5
		C45 C46 C46 C109 C49 C55 C56 C58	TANTAL_A	TantalCap	4
		C50 C76	CH0603C	Capacitor	8
		C57 C59 C62 C74 C96 C100 C175 C138 C170	CH0603C	Capacitor	4
		C66 C67	CH0603C	Capacitor	2
		C68 C69	TANTAL_B	TantalCap	2
		C73 C72	CH0603C	Capacitor	2
		C76 C97	CH1206C	Capacitor	2
		C78	CH1206C	Capacitor	1
		C79	CH1206C	Capacitor	1
		C80	CH1206C	Capacitor	1
		C82	CH0603C	Capacitor	1
		C83	CH0603C	Capacitor	1
C9	[PartValue] C100041	C11 C12 C13 C15 C24 C25 C30 C36 C60 C109 C111 C180	CH0603C	Capacitor	12
		C14 C15 C16 C17 C18 C27 C31 C31 C36 C107 C112 C113 C141 C142 C143	CH0603C	Capacitor	14
		C10 C20 C40 C50 C58	TANTAL_A	TantalCap	5
		C45 C46 C46 C109 C49 C55 C56 C58	TANTAL_A	TantalCap	4
		C50 C76	CH0603C	Capacitor	8
		C57 C59 C62 C74 C96 C100 C175 C138 C170	CH0603C	Capacitor	4
		C66 C67	CH0603C	Capacitor	2
		C68 C69	TANTAL_B	TantalCap	2
		C73 C72	CH0603C	Capacitor	2
		C76 C97	CH1206C	Capacitor	2
		C78	CH1206C	Capacitor	1
		C79	CH1206C	Capacitor	1
		C80	CH1206C	Capacitor	1
		C82	CH0603C	Capacitor	1
		C83	CH0603C	Capacitor	1
C10	[PartValue] C100041	C11 C12 C13 C15 C24 C25 C30 C36 C60 C109 C111 C180	CH0603C	Capacitor	12
		C14 C15 C16 C17 C18 C27 C31 C31 C36 C107 C112 C113 C141 C142 C143	CH0603C	Capacitor	14
		C10 C20 C40 C50 C58	TANTAL_A	TantalCap	5
		C45 C46 C46 C109 C49 C55 C56 C58	TANTAL_A	TantalCap	4
		C50 C76	CH0603C	Capacitor	8
		C57 C59 C62 C74 C96 C100 C175 C138 C170	CH0603C	Capacitor	4
		C66 C67	CH0603C	Capacitor	2
		C68 C69	TANTAL_B	TantalCap	2
		C73 C72	CH0603C	Capacitor	2
		C76 C97	CH1206C	Capacitor	2
		C78	CH1206C	Capacitor	1
		C79	CH1206C	Capacitor	1
		C80	CH1206C	Capacitor	1
		C82	CH0603C	Capacitor	1
		C83	CH0603C	Capacitor	1
C11	[PartValue] C100041	C11 C12 C13 C15 C24 C25 C30 C36 C60 C109 C111 C180	CH0603C	Capacitor	12
		C14 C15 C16 C17 C18 C27 C31 C31 C36 C107 C112 C113 C141 C142 C143	CH0603C	Capacitor	14
		C10 C20 C40 C50 C58	TANTAL_A	TantalCap	5
		C45 C46 C46 C109 C49 C55 C56 C58	TANTAL_A	TantalCap	4
		C50 C76	CH0603C	Capacitor	8
		C57 C59 C62 C74 C96 C100 C175 C138 C170	CH0603C	Capacitor	4
		C66 C67	CH0603C	Capacitor	2
		C68 C69	TANTAL_B	TantalCap	2
		C73 C72	CH0603C	Capacitor	2
		C76 C97	CH1206C	Capacitor	2
		C78	CH1206C	Capacitor	1
		C79	CH1206C	Capacitor	1
		C80	CH1206C	Capacitor	1
		C82	CH0603C	Capacitor	1
		C83	CH0603C	Capacitor	1
C12	[PartValue] C100041	C11 C12 C13 C15 C24 C25 C30 C36 C60 C109 C111 C180	CH0603C	Capacitor	12
		C14 C15 C16 C17 C18 C27 C31 C31 C36 C107 C112 C113 C141 C142 C143	CH0603C	Capacitor	14
		C10 C20 C40 C50 C58	TANTAL_A	TantalCap	5
		C45 C46 C46 C109 C49 C55 C56 C58	TANTAL_A	TantalCap	4
		C50 C76	CH0603C	Capacitor	8
		C57 C59 C62 C74 C96 C100 C175 C138 C170	CH0603C	Capacitor	4
		C66 C67	CH0603C	Capacitor	2
		C68 C69	TANTAL_B	TantalCap	2
		C73 C72	CH0603C	Capacitor	2
		C76 C97	CH1206C	Capacitor	2
		C78	CH1206C	Capacitor	1
		C79	CH1206C	Capacitor	1
		C80	CH1206C	Capacitor	1
		C82	CH0603C	Capacitor	1
		C83	CH0603C	Capacitor	1
C13	[PartValue] C100041	C11 C12 C13 C15 C24 C25 C30 C36 C60 C109 C111 C180	CH0603C	Capacitor	12
		C14 C15 C16 C17 C18 C27 C31 C31 C36 C107 C112 C113 C141 C142 C143	CH0603C	Capacitor	14
		C10 C20 C40 C50 C58	TANTAL_A	TantalCap	5
		C45 C46 C46 C109 C49 C55 C56 C58	TANTAL_A	TantalCap	4
		C50 C76	CH0603C	Capacitor	8
		C57 C59 C62 C74 C96 C100 C175 C138 C170	CH0603C	Capacitor	4
		C66 C67	CH0603C	Capacitor	2
		C68 C69	TANTAL_B	TantalCap	2
		C73 C72	CH0603C	Capacitor	2
		C76 C97	CH1206C	Capacitor	2
		C78	CH1206C	Capacitor	1
		C79	CH1206C	Capacitor	1
		C80	CH1206C	Capacitor	1
		C82	CH0603C	Capacitor	1
		C83	CH0603C	Capacitor	1
C14	[PartValue] C100041	C11 C12 C13 C15 C24 C25 C30 C36 C60 C109 C111 C180	CH0603C	Capacitor	12
		C14 C15 C16 C17 C18 C27 C31 C31 C36 C107 C112 C113 C141 C142 C143	CH0603C	Capacitor	14
		C10 C20 C40 C50 C58	TANTAL_A	TantalCap	5
		C45 C46 C46 C109 C49 C55 C56 C58	TANTAL_A	TantalCap	4
		C50 C76	CH0603C	Capacitor	8
		C57 C59 C62 C74 C96 C100 C175 C138 C170	CH0603C	Capacitor	4
		C66 C67	CH0603C	Capacitor	2
		C68 C69	TANTAL_B	TantalCap	2
		C73 C72	CH0603C	Capacitor	2
		C76 C97	CH1206C	Capacitor	2
		C78	CH1206C	Capacitor	1
		C79	CH1206C	Capacitor	1
		C80	CH1206C	Capacitor	1
		C82	CH0603C	Capacitor	1
		C83	CH0603C	Capacitor	1
C15	[PartValue] C100041	C11 C12 C13 C15 C24 C25 C30 C36 C60 C109 C111 C180	CH0603C	Capacitor	12
		C14 C15 C16 C17 C18 C27 C31 C31 C36 C107 C112 C113 C141 C142 C143	CH0603C	Capacitor	14
		C10 C20 C40 C50 C58	TANTAL_A	TantalCap	5
		C45 C46 C46 C109 C49 C55 C56 C58	TANTAL_A	TantalCap	4
		C50 C76	CH0603C	Capacitor	8
		C57 C59 C62 C74 C96 C100 C175 C138 C170	CH0603C	Capacitor	4
		C66 C67	CH0603C	Capacitor	2
		C68 C69	TANTAL_B	TantalCap	2
		C73 C72	CH0603C	Capacitor	2
		C76 C97	CH1206C	Capacitor	2
		C78	CH1206C	Capacitor	1
		C79	CH1206C	Capacitor	1
		C80	CH1206C	Capacitor	1
		C82	CH0603C	Capacitor	1
		C83	CH0603C	Capacitor	1
C16	[PartValue] C100041	C11 C12 C13 C15 C24 C25 C30 C36 C60 C109 C111 C180	CH0603C	Capacitor	12
		C14 C15 C16 C17 C18 C27 C31 C31 C36 C107 C112 C113 C141 C142 C143	CH0603C	Capacitor	14
		C10 C20 C40 C50 C58	TANTAL_A	TantalCap	5
		C45 C46 C46 C109 C49 C55 C56 C58	TANTAL_A	TantalCap	4
		C50 C76	CH0603C	Capacitor	8
		C57 C59 C62 C74 C96 C100 C175 C138 C170	CH0603C	Capacitor	4
		C66 C67	CH0603C	Capacitor	2
		C68 C69	TANTAL_B	TantalCap	2
		C73 C72	CH0603C	Capacitor	2
		C76 C97	CH1206C	Capacitor	2
		C78	CH1206C	Capacitor	1
		C79	CH1206C	Capacitor	1
		C80	CH1206C	Capacitor	1
		C82	CH0603C	Capacitor	1
		C83	CH0603C	Capacitor	1
C17	[PartValue] C100041	C11 C12 C13 C15 C24 C25 C30 C36 C60 C109 C111 C180	CH0603C	Capacitor	12
		C14 C15 C16 C17 C18 C27 C31 C31 C36 C107 C112 C113 C141 C142 C143	CH0603C	Capacitor	14
		C10 C20 C40 C50 C			