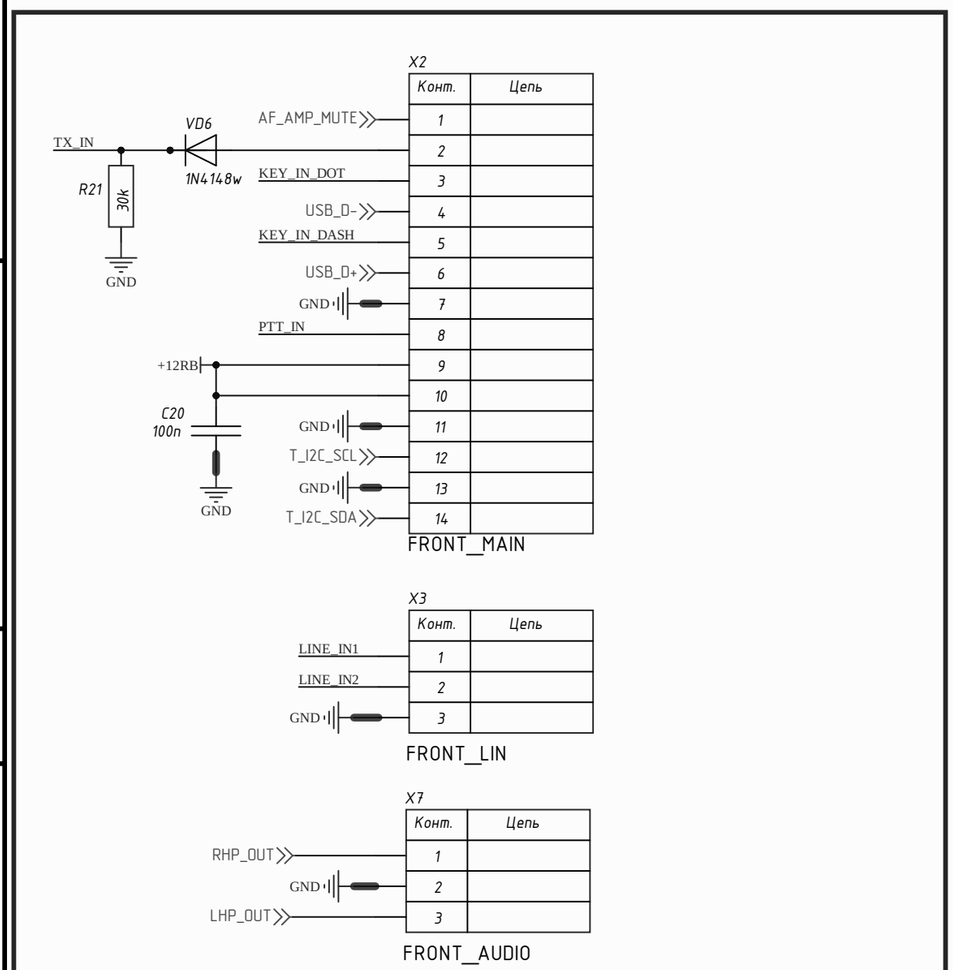
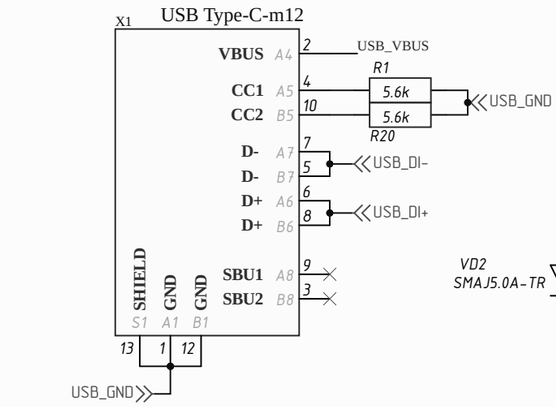
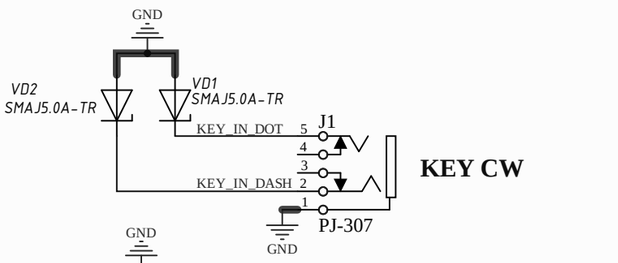
R_BOARD - Connectors

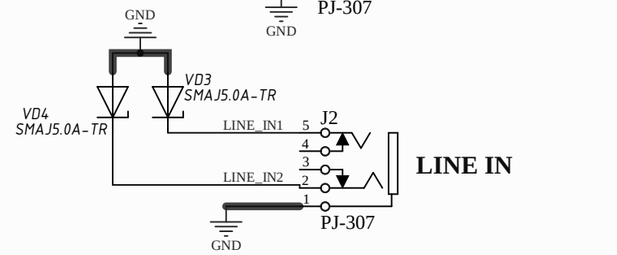


TO FRONT CONNECTORS

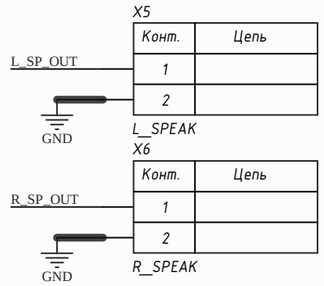


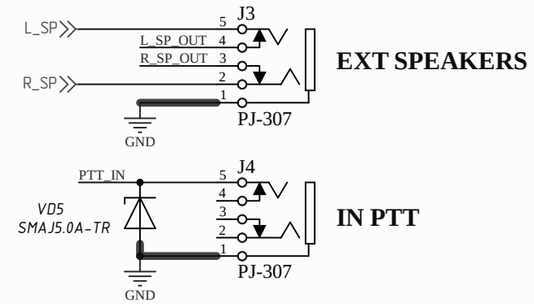


KEY CW



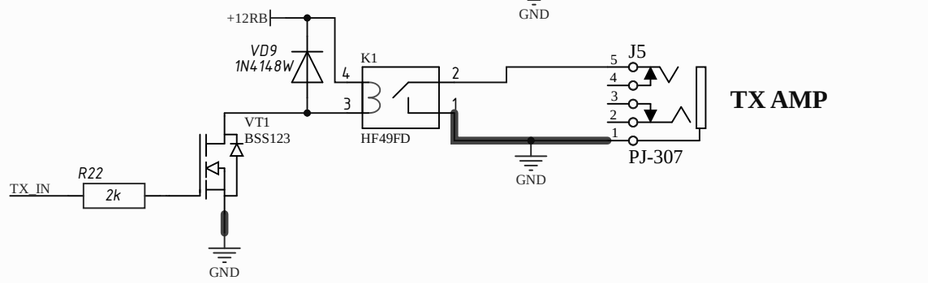
LINE IN





EXT SPEAKERS

IN PTT



TX AMP

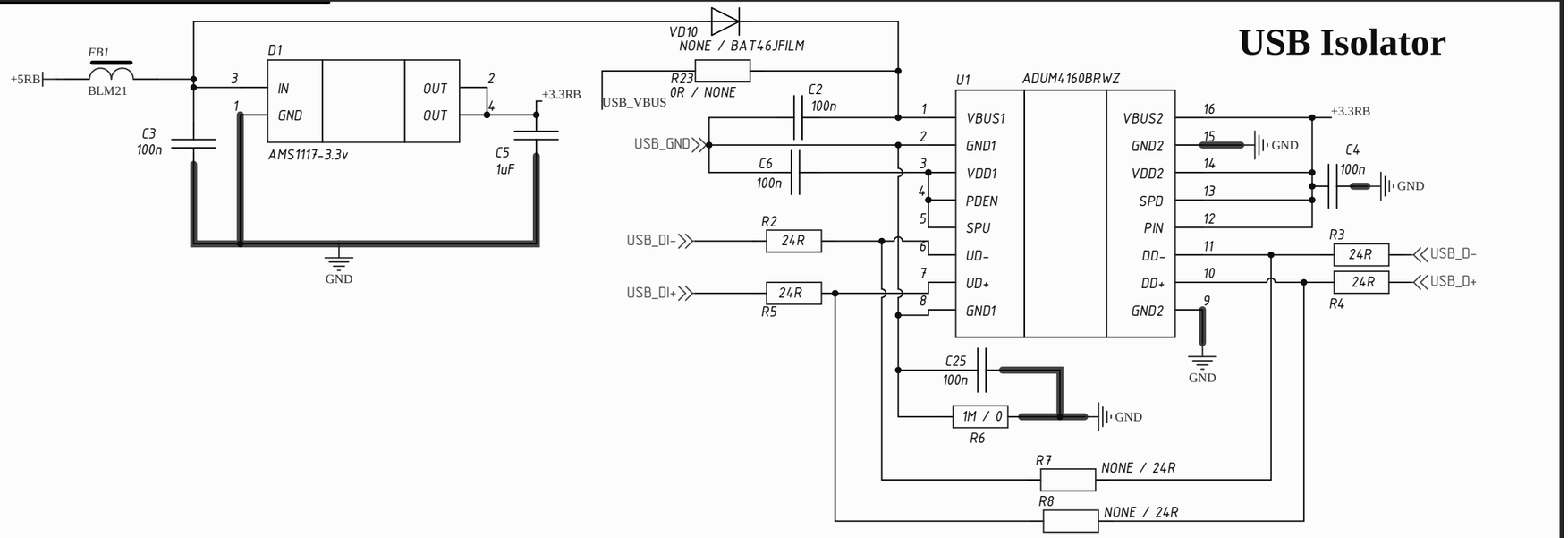
Изм.	Лист	№ докум.	Подп.	Дата	R_BOARD - Connectors
Разраб.		RU4PN			*
Пров.		*			Лит. / Масса / Масштаб
Т.контр.					Лист 1 / Листов 3
*					Wolf-2
Н.контр.					
Утв.		UA3REO			

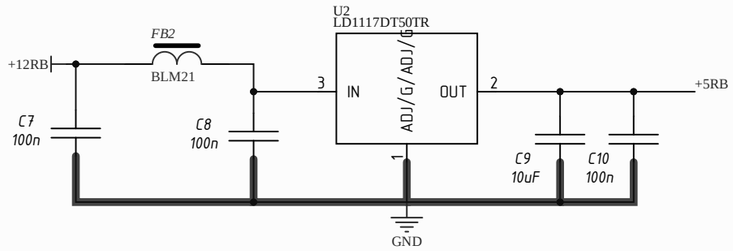
Подп. и дата | Инв. № дубл. | Взам. инв. № | Подп. и дата | Инв. № подл. | Справ. № | Перв. примен.

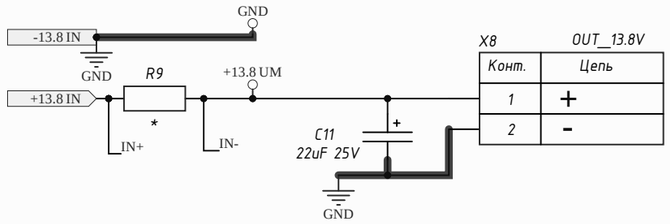
2.106-А3 | Копировал | Формат А3

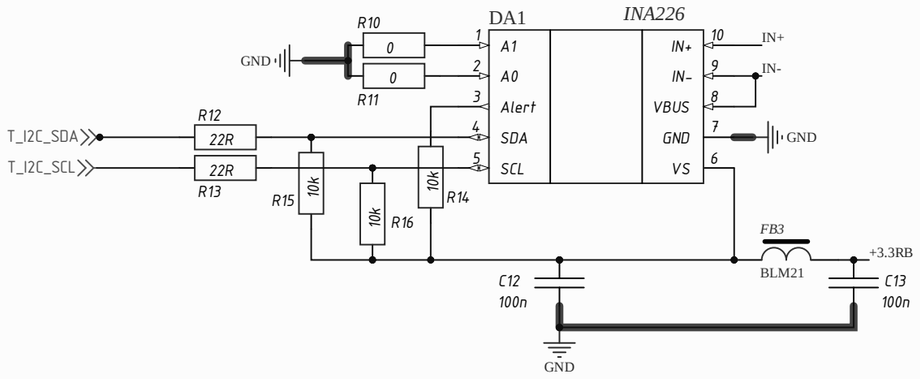
R_BOARD - Power

USB Isolator









					R_BOARD - Power
					*
Изм.	Лист	№ докум.	Подп.	Дата	Лит. / Масса / Масштаб
Разраб.		RU4PN			
Пров.		*			Лист 2 / Листов 3
Т.контр.					
*					Wolf 2
Н.контр.					
Утв.		UA3REO			

Перв. примен.

Справ. №

Подп. и дата

Инв. № дубл.

Взам. инв. №

Подп. и дата

Инв. № подл.

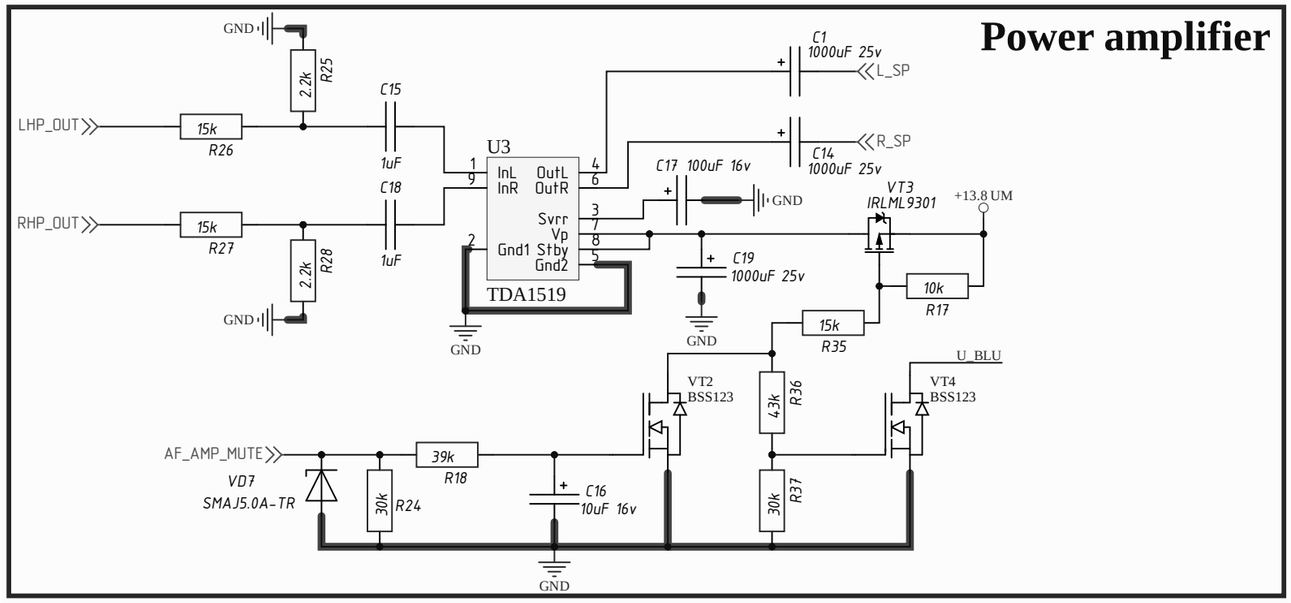
2.106-А3

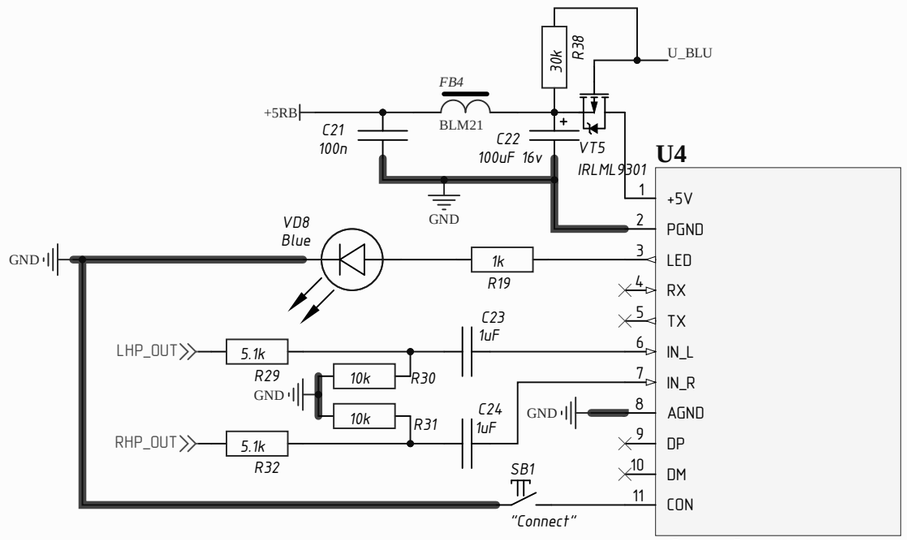
Копировал

Формат А3

R_BOARD - Audio

Power amplifier





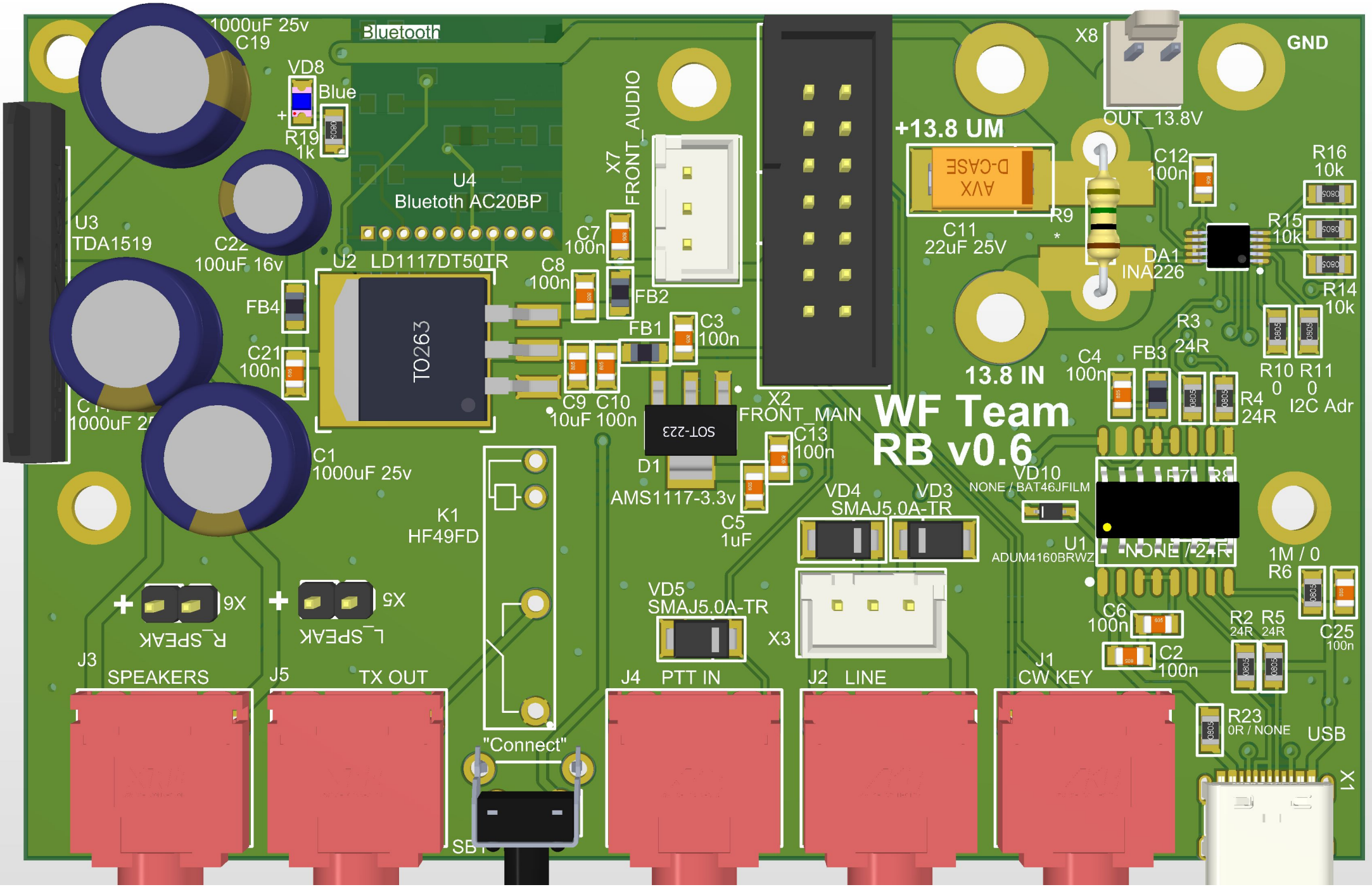
Bluetoth AC20BP

					R_BOARD - Audio
Изм.	Лист	№ докум.	Подп.	Дата	*
Разраб.		RU4PN			Лит. / Масса / Масштаб
Пров.		*			Лист 3 / Листов 3
Т.контр.					Wolf 2
*					
Н.контр.					
Утв.		UA3REO			

Перв. примен.
Справ. №
Подп. и дата
Инв. № дубл.
Взам. инв. №
Подп. и дата
Инв. № подл.

2.106-А3 Копировал Формат А3

Line #	Name	Description	Designator	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	1000uF 25v		C1, C14, C19	3							
	100n		C2, C3, C4, C6, C7, C8, C10, C12, C13, C20, C21, C25	12							
	1uF		C5, C15, C18, C23, C24	5							
	10uF		C9	1							
	22uF 25V		C11	1							
	10uF 16v		C16	1							
	100uF 16v		C17	1							
	100uF 16v		C22	1							
	AMS1117-3.3v	LDO	D1	1							
	INA226		DA1	1							
	BLM21		FB1, FB2, FB3, FB4	4							
	PJ-307	KEY	J1	1							
	PJ-307	LIN	J2	1							
	PJ-307	OUT_SPEAKERS	J3	1							
	PJ-307	PTT_IN	J4	1							
	PJ-307	TX	J5	1							
	HF49FD		K1	1							
	5.6k		R1, R20	2							
	24R		R2, R3, R4, R5	4							
	1M / 0		R6	1							
	NONE / 24R		R7, R8	2							
			R9	1							
	0		R10, R11	2							
	22R		R12, R13	2							
	10k		R14, R15, R16, R17, R30, R31	6							
	39k		R18	1							
	1k		R19	1							
	30k		R21, R24, R37, R38	4							
	2k		R22	1							
	0R / NONE		R23	1							
	2.2k		R25, R28	2							
	15k		R26, R27, R35	3							
	5.1k		R29, R32	2							
	43k		R36	1							
	"Connect"	6x6 mm	SB1	1							
	ADUM4160BRWZ	Isolator USB	U1	1							
	LD1117DT50TR		U2	1							
	TDA1519		U3	1							
	Bluetoth AC20BP		U4	1							
	SMAJ5.0A-TR		VD1, VD2, VD3, VD4, VD5, VD7	6							
	1N4148w		VD6	1							
	Blue		VD8	1							
	1N4148W		VD9	1							
	NONE / BAT46JFILM		VD10	1							
	BSS123		VT1, VT2, VT4	3							
	IRLML9301	Mosfet	VT3, VT5	2							
	USB Type-C-m12		X1	1							
	FRONT_MAIN		X2	1							
	FRONT_LIN		X3	1							
	L_SPEAK		X5	1							
	R_SPEAK		X6	1							
	FRONT_AUDIO		X7	1							
	OUT_13.8V		X8	1							


1000uF 25v
C19
Bluetooth
VD8
Blue
R19
1k
U4
Bluetooth AC20BP
X7
FRONT_AUDIO
+13.8 UM
X8
GND
OUT_13.8V
U3
TDA1519
C22
100uF 16v
U2 LD1117DT50TR
TO263
C7
100n
C8
100n
FB2
FB1
C3
100n
C12
100n
R16
10k
C11
22uF 25V
R9
*
R15
10k
DA1
INA226
R14
10k
FB4
C21
100n
C9 C10
10uF 100n
X2
FRONT_MAIN
C13
100n
13.8 IN
C4
100n
FB3
R3
24R
R10 R11
0 0
I2C Adr
R4
24R
C1
1000uF 25v
D1
AMS1117-3.3v
SOT-223
C5
1uF
WF Team
RB v0.6
VD10
NONE / BAT46JFILM
VD4
SMAJ5.0A-TR
VD3
U1
ADUM4160BRWZ
NONE / 24R
1M / 0
R6
K1
HF49FD
VD5
SMAJ5.0A-TR
X3
C6
100n
R2 R5
24R 24R
C25
100n
C2
100n
X6
R_SPEAK
X5
L_SPEAK
J3
SPEAKERS
J5
TX OUT
J4 PTT IN
J2 LINE
J1
CW KEY
R23
0R / NONE
USB
X1
"Connect"
SB1