

GPIO_3
GPIO_45
GPIO_46

The image contains two circuit diagrams. The top diagram shows the connection for the ESP_EN pin. A +3V3 supply is connected to one end of resistor R1 (10k). The other end of R1 is connected to the ESP_EN pin and also to capacitor C1 (100n). The other end of C1 is connected to ground. A reset switch SW1, labeled MCU_RESET, is connected between the ESP_EN pin and ground. The bottom diagram shows the connection for the ESP_BOOT pin. A +3V3 supply is connected to one end of resistor R6 (10k). The other end of R6 is connected to the ESP_BOOT pin and also to capacitor C2 (100n). The other end of C2 is connected to ground. A reset switch SW2, labeled MCU_RESET, is connected between the ESP_BOOT pin and ground. A legend at the bottom right shows a blue 'X' and a red circle connected by a line, labeled TP1.



MODULE 1

AUDIO_ON1

GPIO_13

MODULE 2

AUDIO_ON2

GPIO_4



I am out of pins



+3V3
↑



500mA @3.6V 1.9W
=> 400mA @5V 2W

RShunt (Ω)	IBAT (mA)
1	100
0.2	500
0.1	1000
0.067	1500
0.05	2000

AMP_L R49 10 GPIO_7
R50 10 GPIO_6



J10
Conn_01x04

4 X
3
2
1

GPIO_43
GPIO_44



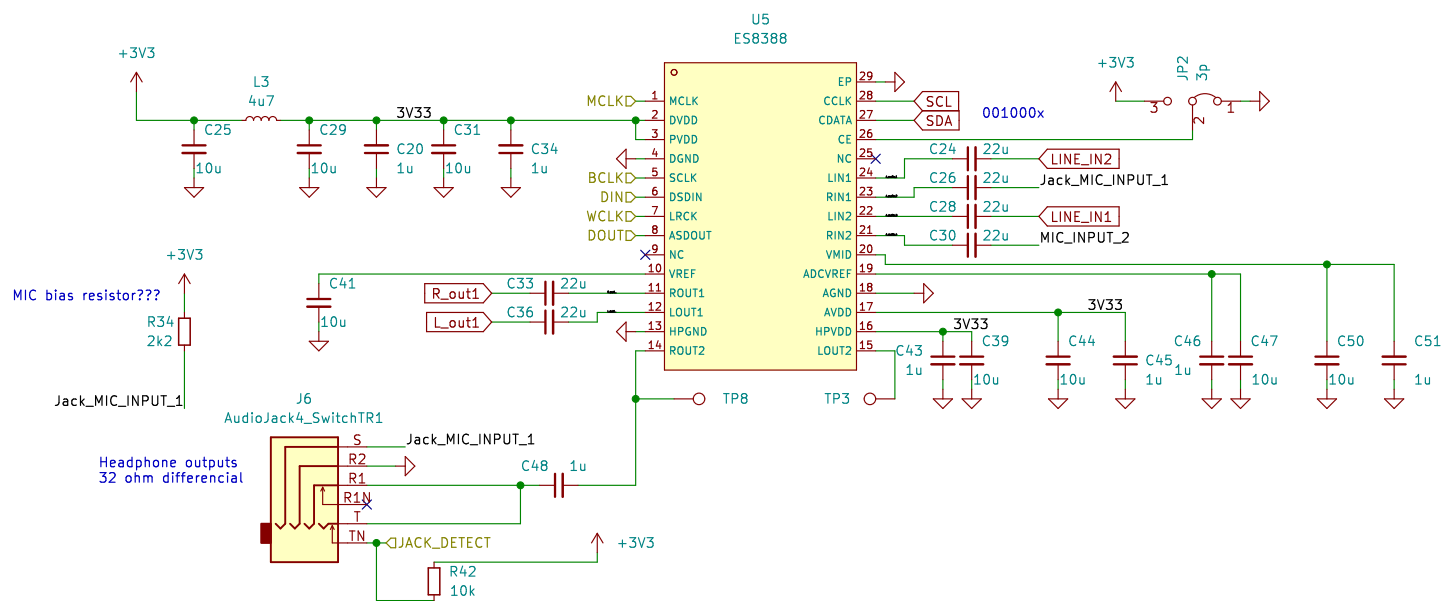
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Title: Cross band handy walkie talkie V2

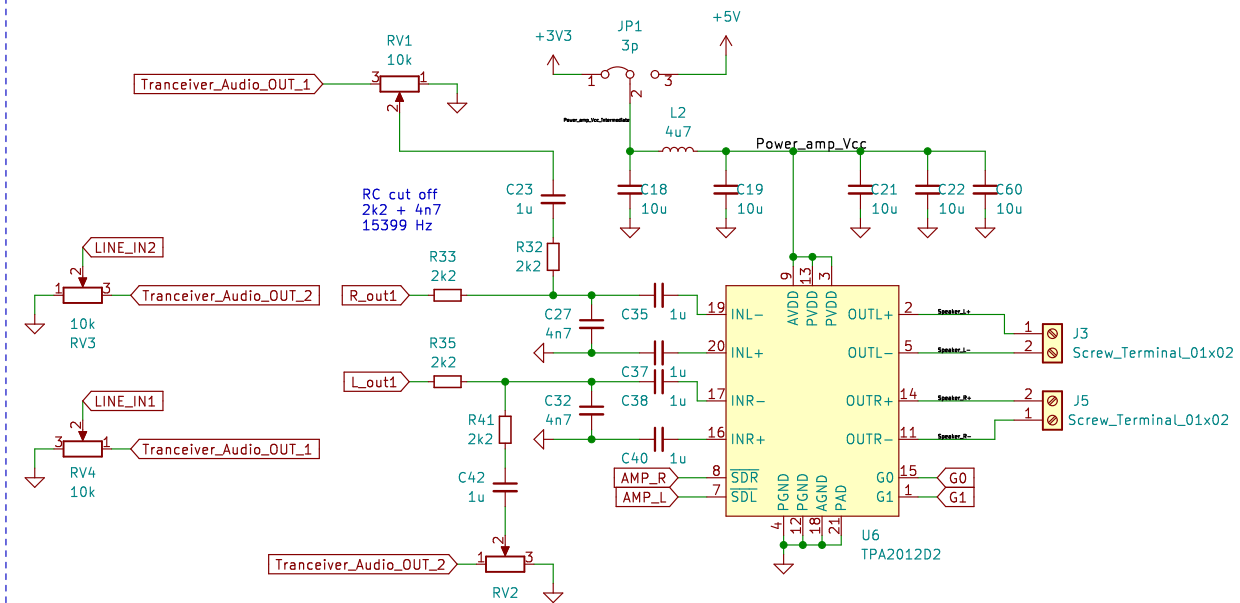
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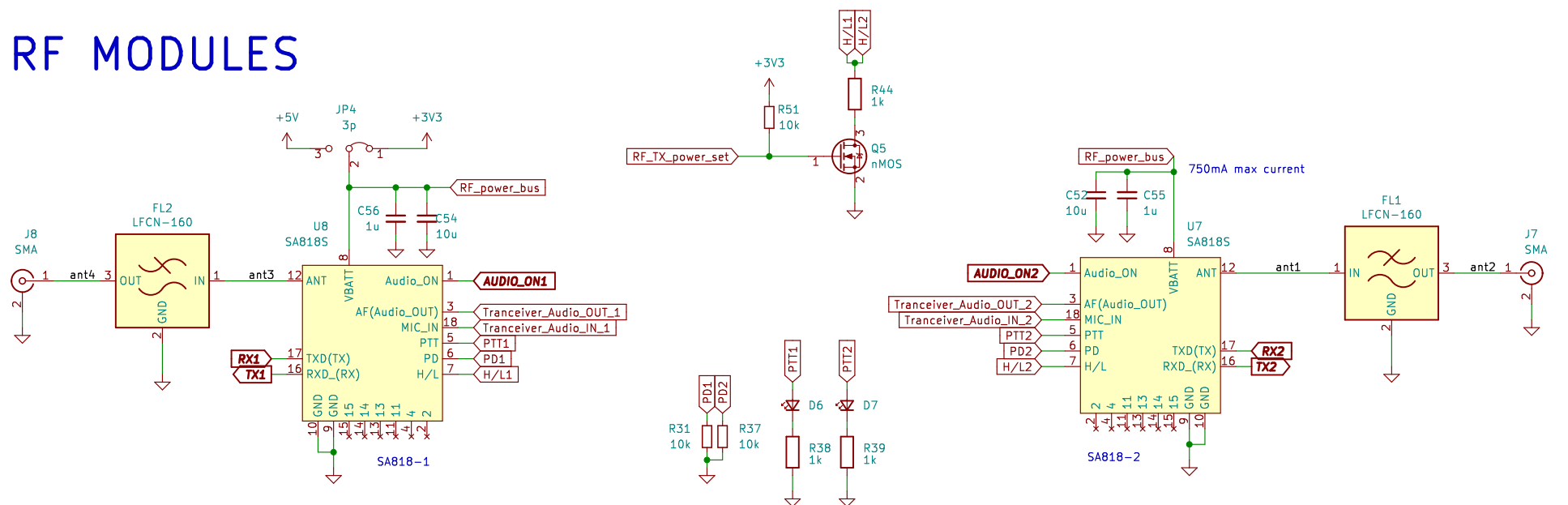
AUDIO CODEC



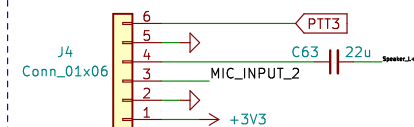
Audio POWER Amplifier



RF MODULES



AUDIO IO



Reviewed by: Andreas Spiess
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