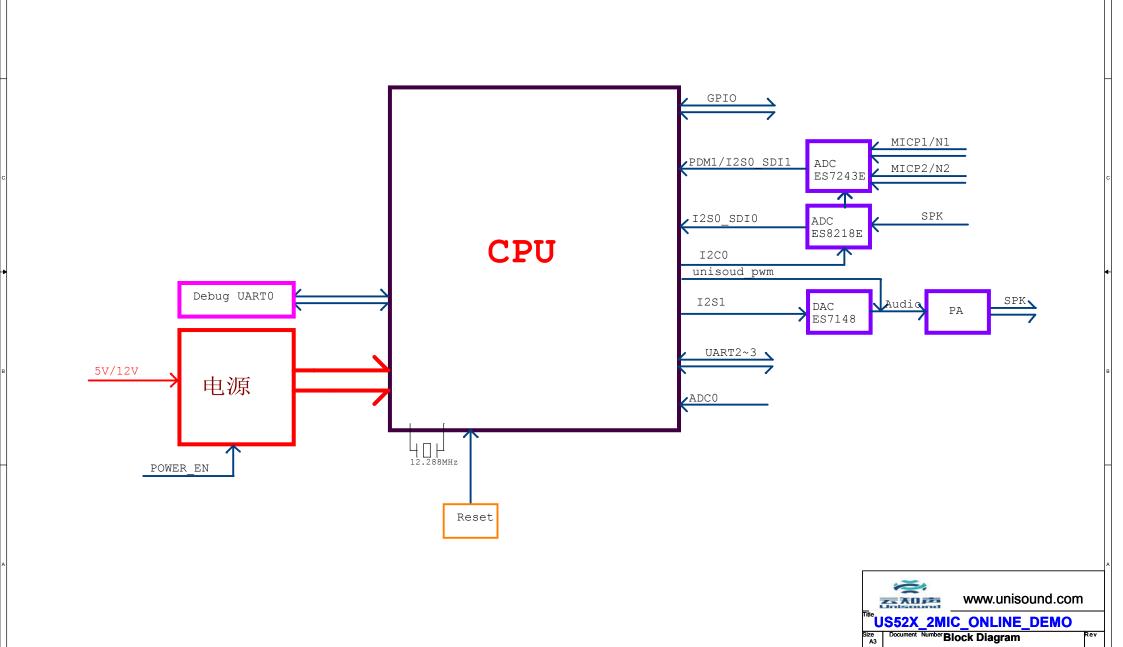
版本	修改记录	修改时间	修改人
V1.0	初始版本	2020. 01. 15	Huangzhiteng
V1.1	1、R4改为47K 2、增加R557/R558 3、R5不焊接	2020. 02. 10	Huangzhiteng
V1.2	1、增加系统电源方案对比,客户可根据项目情况选择电源方案	2020. 04. 02	Huangzhiteng
	1、第9页的串口2和串口3互换了一下,跟demo板的实物一致2、C59和C68改为1nf3、AEC回采电路增加AB类功放和D类功放的区别说明	2021.08.04	sunlehua

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Title US52X 2MIC OFFLINE DEMO
Size Document Number Version History
Date: Monday, August 02, 2021 Sheet 1 of 10

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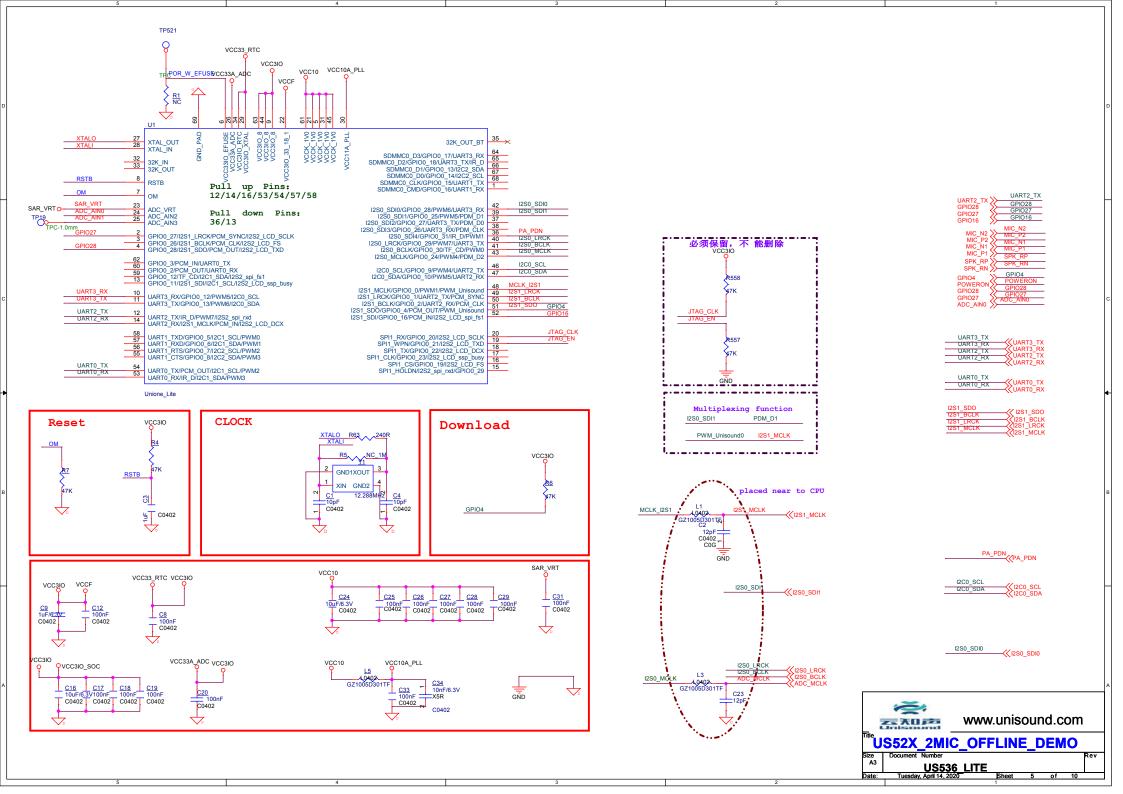


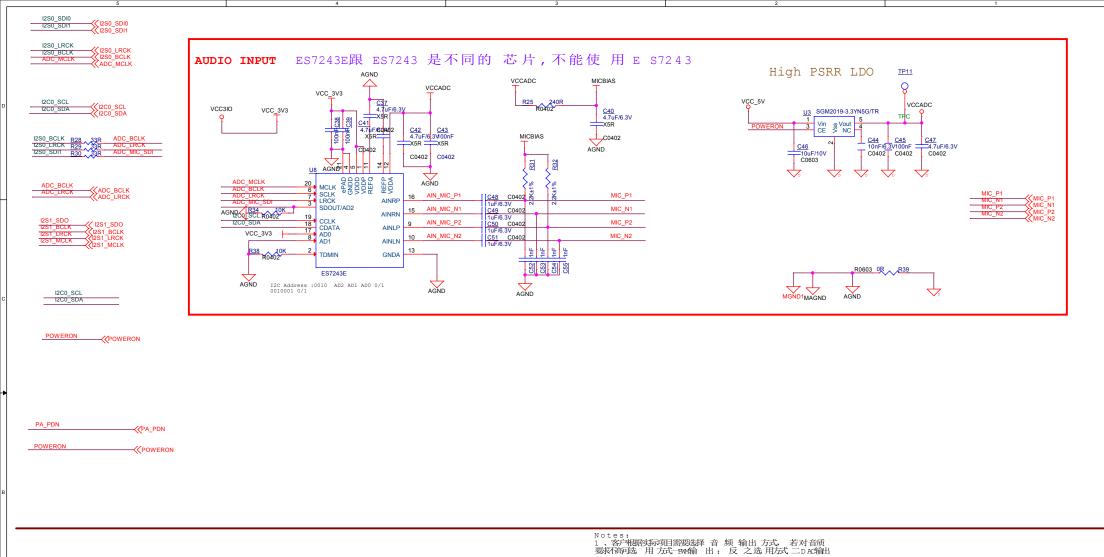
Date: Tuesday, April 14, 2020

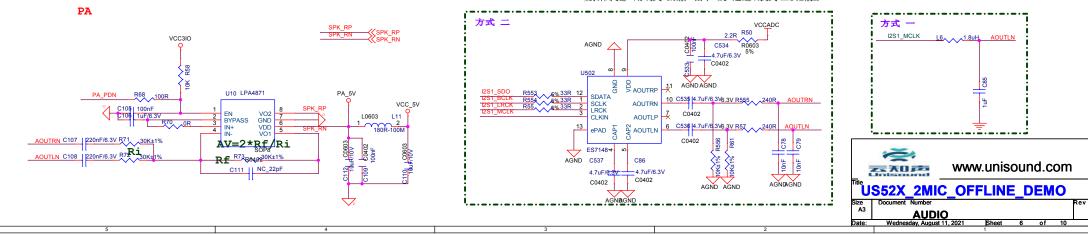
Interface	Function	Resources	Notes
UARTO	debug		
UART1	To bluetooth	GPIO5~8/PWM0~3	
UART2	Communication0	PWM7	
UART3	Communication1	GPI012~13	
12C0	To ADCs	GPIO9~10	
I2C1	Reserve	GPIO12~13/PWM4~5	unused
SPI1		GPIO19~23,GPIO29	unused
1250	To ADCs as analog mics and AEC	GPIO24~25,28~30	SDIO: AEC
	signal input		SDI1: MIC
PDM	To digital MEMS MICs	GPIO26~27/I2S0_SDI2~3	unused
PWM_unisound	To Analog PA	GPIO0/PWM1	Audio output
PCM	To bluetooth	GPI00~3	unused
SDC0	To wifi	GPI013~18	
1250	To DAC	GPI00~2, GPI04	Reserve
ADC	To Keys or Voltage detection etc	ADC_AIN2~3	
PA_EN	Enable PA	GPIO31/I2S0_SDI4	Active low



详见 pag e 07.Power www.unisound.com

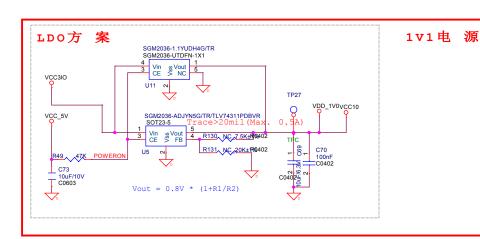


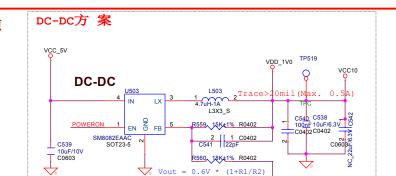


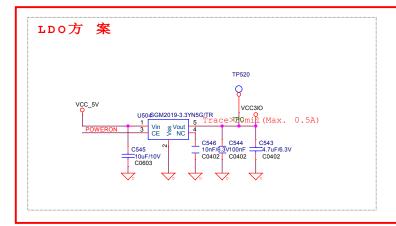


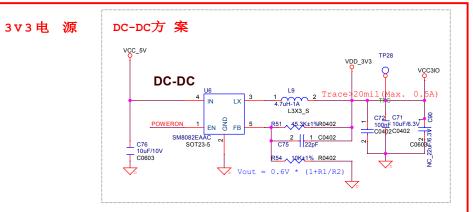


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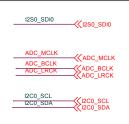






蜂鸟芯片电源方案									
- 11 31 25	电源类型		方案特点			夕 注			
电源	LDO	DC-DC	电源效率	物料成本	PCB面积	备注			
VCC10	•		低	低	小	成本低,由于电源效率不高,芯片发热也较为严重			
VCC10		•	詎	高	大	电源效率高, 整机功耗明显降低, 推荐使用			
VCC310	•		低	低	小	成本低, 推荐使用			
VCC310		•	高	高	大	电源效率高,输出能力强,3.3V有其他负载 需要大电流时使用			





I2S0_SDI0 R33 33R ADC_AEC_SDI

