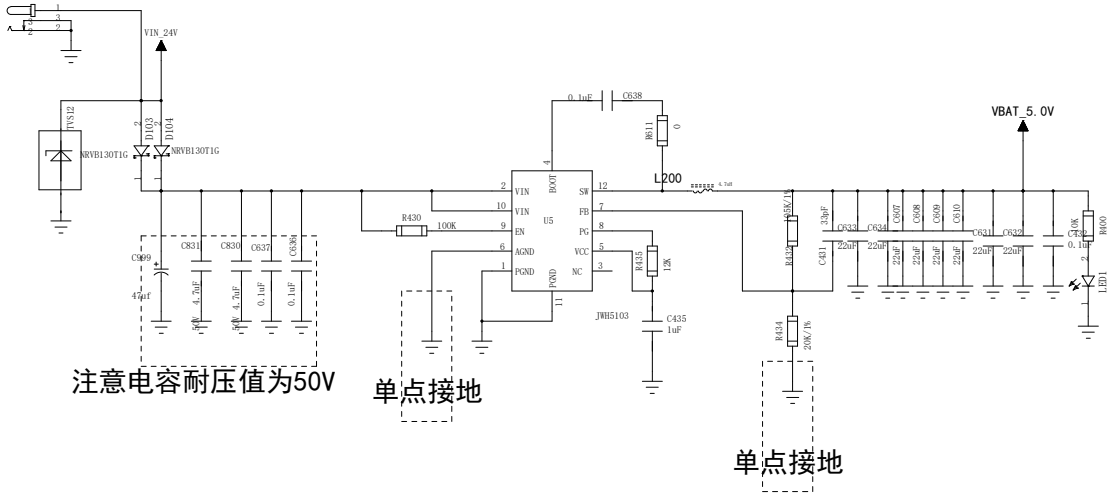
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LTR	ECO NO:	APPROVED:	DATE:

POWER DCDC



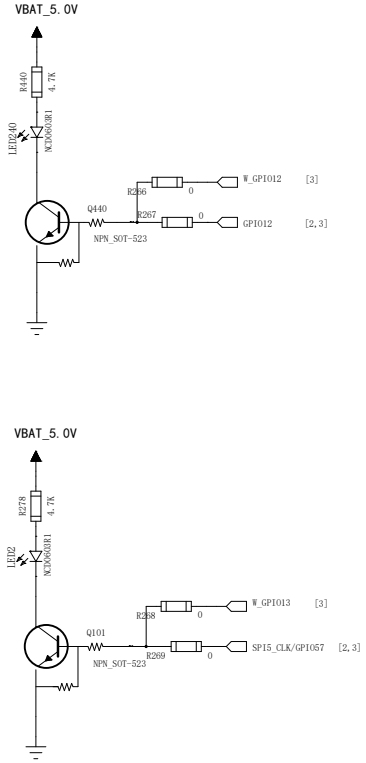
注意电容耐压值为50V

单点接地

单点接地

VOUT=0.8*(1+R432/R434)=5.0V

LED状态灯

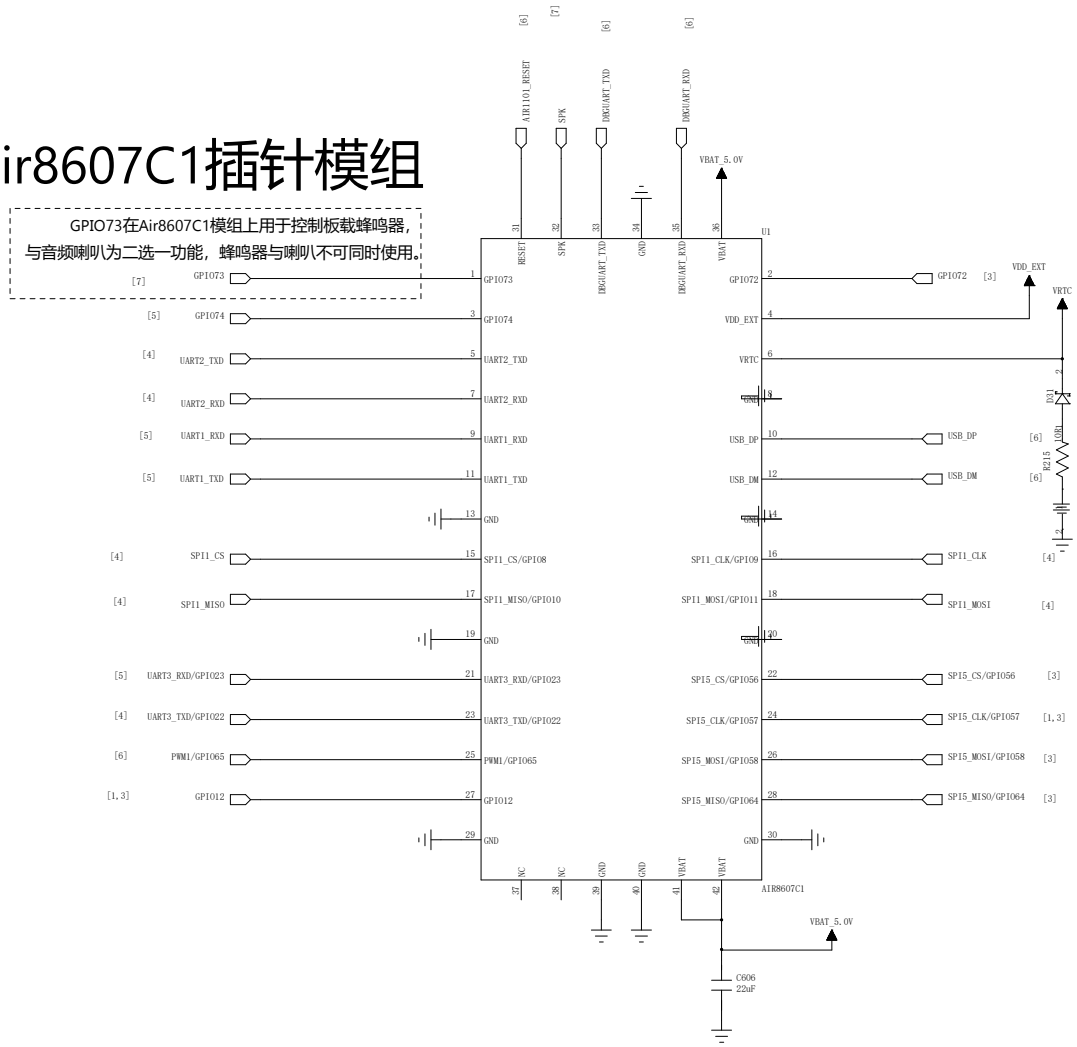


COMPANY: 上海合宙					
TITLE: Air8607W1					
DRAWN: chengong	DATED: 20261010				
CHECKED: Laolu	DATED: 20260928	CODE:	SIZE: A2	DRAWING NO:	REV:
QUALITY CONTROL: Laolu	DATED: 20260928				
RELEASED: Laolu	DATED: 20260928	SCALE:		SHEET: 1 OF 7	

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

Air8607C1插针模组

GPIO73在Air8607C1模组上用于控制板载蜂鸣器，
与音频喇叭为二选一功能，蜂鸣器与喇叭不可同时使用。



基于Air8607C1设计的本版底板，

一共规划了八个细分型号：

Air8607W1：支持WiFi，支持TTL串口，支持隔离485，支持蜂鸣器；

Air8607W2：支持WiFi，支持RS232，支持隔离485，支持蜂鸣器；

Air8607W3：支持WiFi，支持TTL串口，支持隔离485，支持喇叭；

Air8607W4：支持WiFi，支持RS232，支持隔离485，支持喇叭；

Air8607S1：不支持WiFi，支持TTL串口，支持隔离485，支持蜂鸣器；

Air8607S2：不支持WiFi，支持RS232，支持隔离485，支持蜂鸣器；

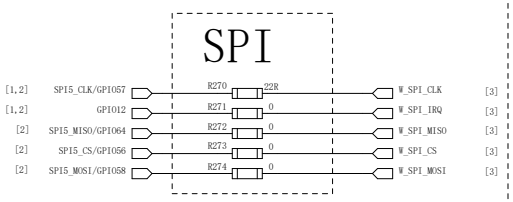
Air8607S3：不支持WiFi，支持TTL串口，支持隔离485，支持喇叭；

Air8607S4：不支持WiFi，支持RS232，支持隔离485，支持喇叭；

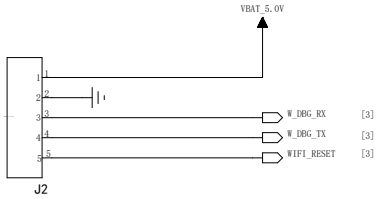
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		TITLE: Air8607W1			
CHECKED: Laolu	DATED: 20260928	CODE:	SIZE: A2	DRAWING NO:	REV:
QUALITY CONTROL: Laolu	DATED: 20260928				
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REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

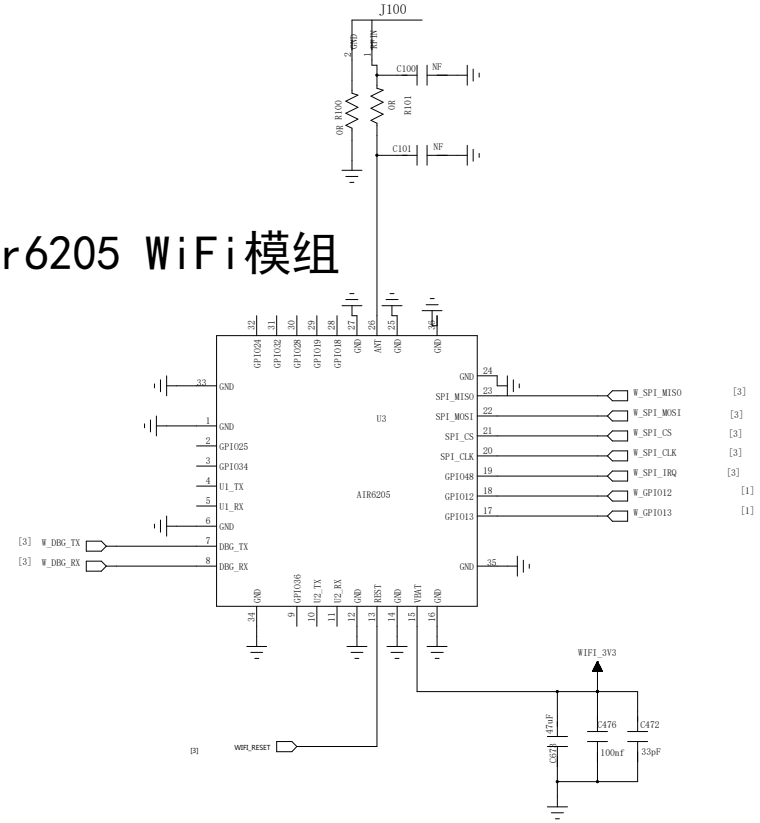
WiFi // Air8607C1通信



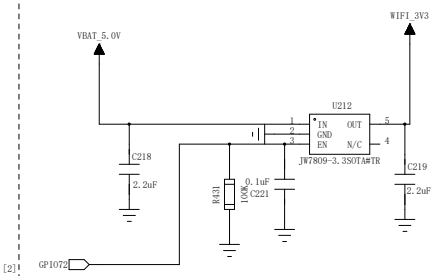
WiFi 下载



Air6205 WiFi模组



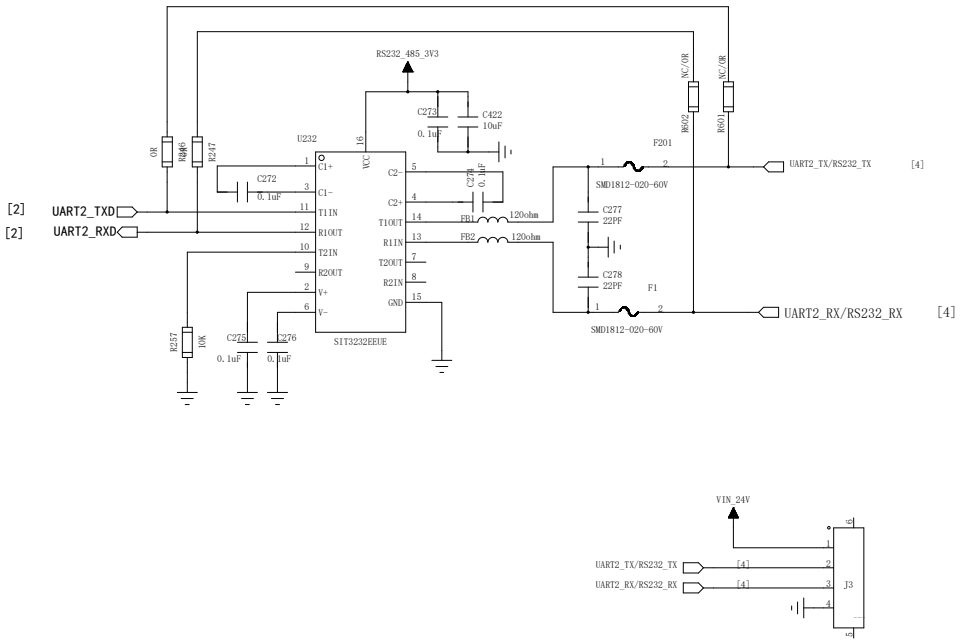
WiFi LDO



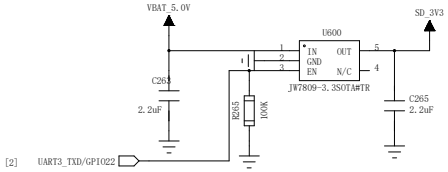
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TITLE: Air8607W1					
DRAWN: chengong	DATED: 20261010	CODE:	SIZE: A2	DRAWING NO:	REV:
CHECKED: Laolu	DATED: 20260928				
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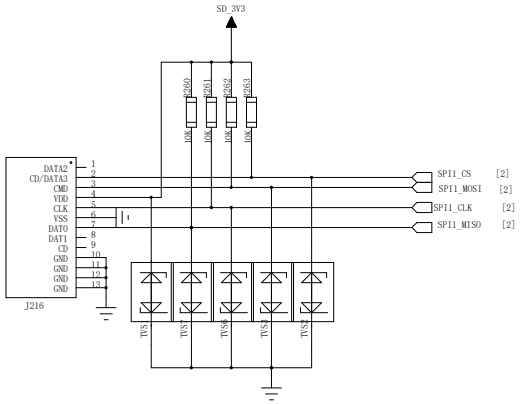
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

UART2:默认TTL串口
兼容预留RS232接口



SPI接口SD卡

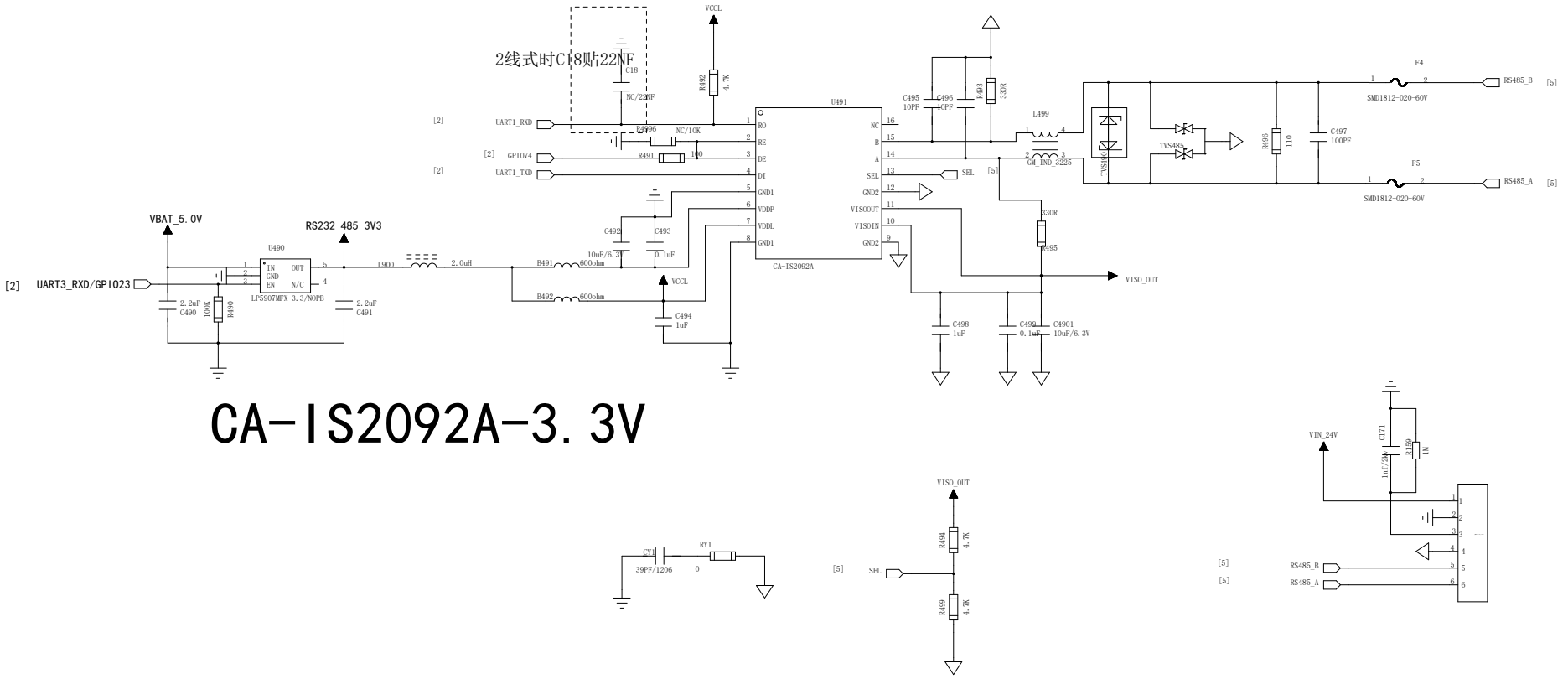




COMPANY: 上海合宙					
TITLE: Air8607W1					
DRAWN: chengong	DATED: 20261010				
CHECKED: Laolu	DATED: 20260928	CODE:	SIZE: A2	DRAWING NO:	REV:
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RELEASED: Laolu	DATED: 20260928	SCALE:		SHEET: 4 OF 7	

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

UART1-->隔离RS485



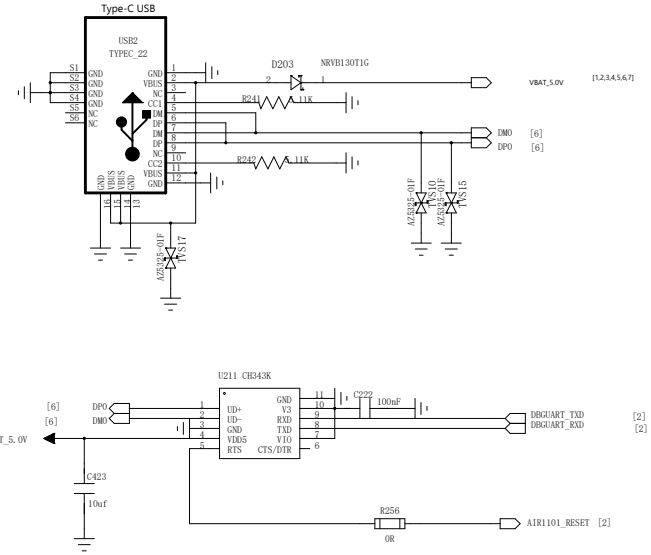
CA-IS2092A-3.3V

COMPANY:	上海合宙		
TITLE:	Air8607W1		
DRAWN: chengong	DATED: 20261010		
CHECKED: Laolu	DATED: 20260928	CODE:	SIZE: A2 / DRAWING NO: / REV:
QUALITY CONTROL: Laolu	DATED: 20260928		
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REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

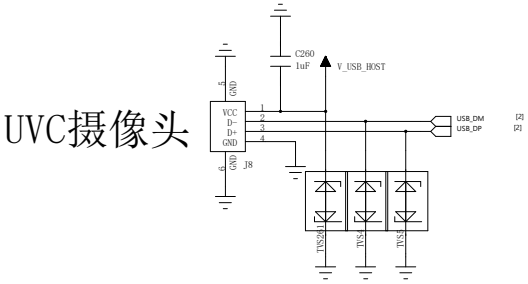
Air8607C1下载调试串口

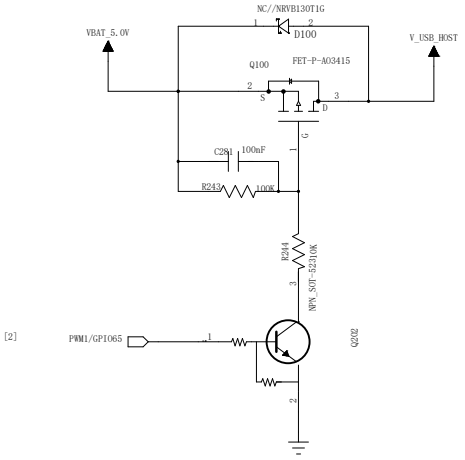
板载USB转UART CH343电路



USB_HOST

UVC摄像头





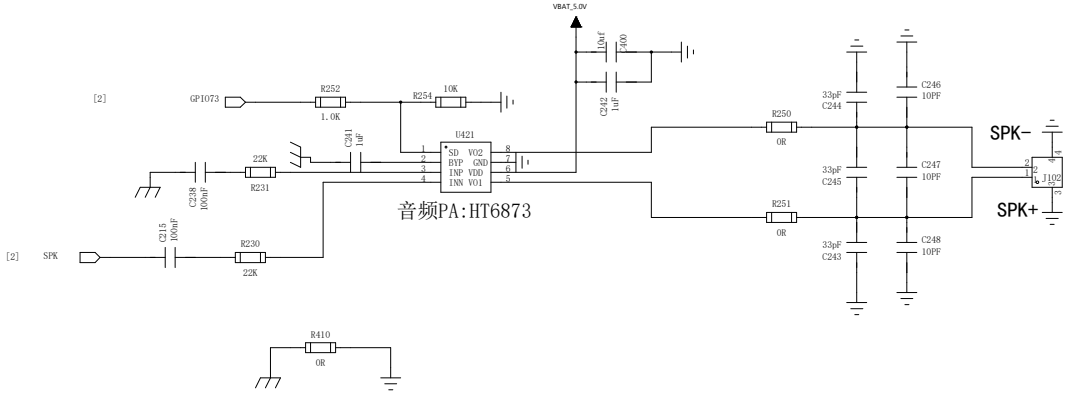
COMPANY: 上海合宙					
TITLE: Air8607W1					
DRAWN: chengong	DATED: 20261010	CODE:	SIZE: A2	DRAWING NO:	REV:
CHECKED: Laolu	DATED: 20260928				
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RELEASED: Laolu	DATED: 20260928	SCALE:		SHEET: 6 OF 7	

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

音频PA电路

4Ω喇叭/5V供电/THD=10% 下最高输出功率3.5W

Air8607C1仅支持音频DAC输出，播放音乐或TTS



DRAWN: chengong	DATED: 20261010	COMPANY: 上海合宙			
		TITLE: Air8607W1			
CHECKED: Laolu	DATED: 20260928	CODE:	SIZE: A2	DRAWING NO:	REV:
QUALITY CONTROL: Laolu	DATED: 20260928				
RELEASED: Laolu	DATED: 20260928	SCALE:		SHEET: 7 OF 7	