

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

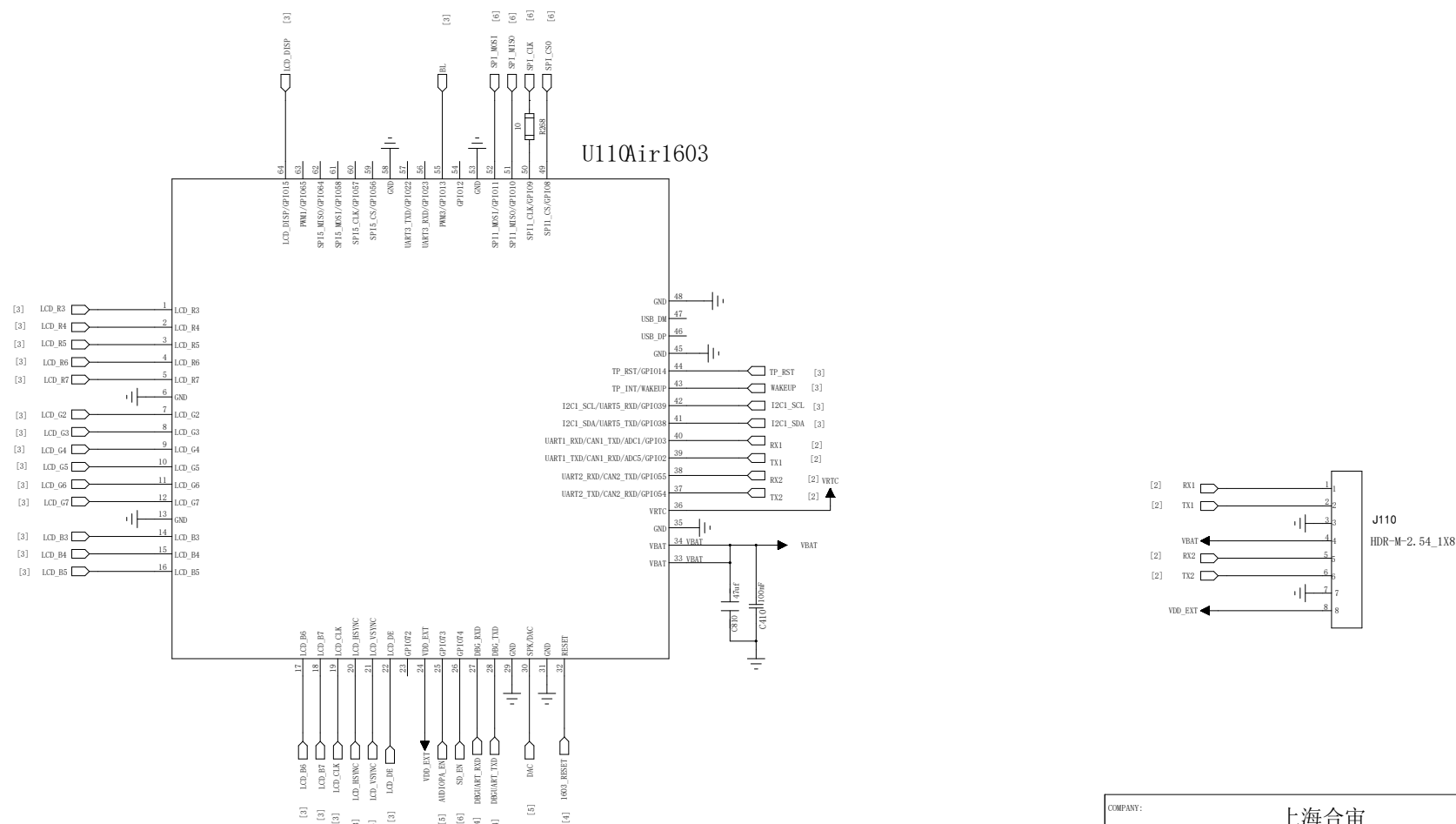
[4]

DRAWN:	chengong	DATED:	20261010
CHECKED:	Laolu	DATED:	20260928
QUALITY CONTROL:	Laolu	DATED:	20260928
RELEASED:	Laolu	DATED:	20260928

COMPANY:				上海合宙			
TITLE:							
Air8607							
CODE:		SIZE:		DRAWING NO:		REV:	
A2							
SCALE:				SHEET: 1 OF 6			

	REVISION RECORD		
LTR	ECO NO:	APPROVED:	DATE:

Air1603 大屏智能主控

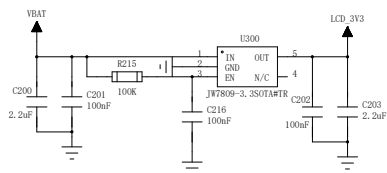


DRAWN: chengong	DATED: 20261010
CHECKED: Laolu	DATED: 20260928
QUALITY CONTROL: Laolu	DATED: 20260928
RELEASED: Laolu	DATED: 20260928

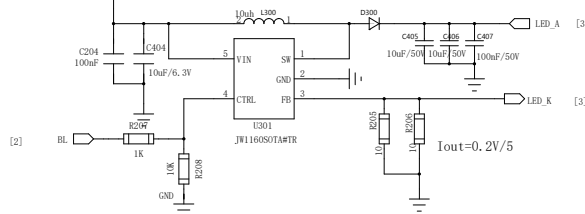
COMPANY:		上海合宙	
TITLE:		Air8607	
CODE:	SIZE:	DRAWING NO:	REV:
	A2		
SCALE:		SHEET: 2 OF 6	

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

数字电源3.3V



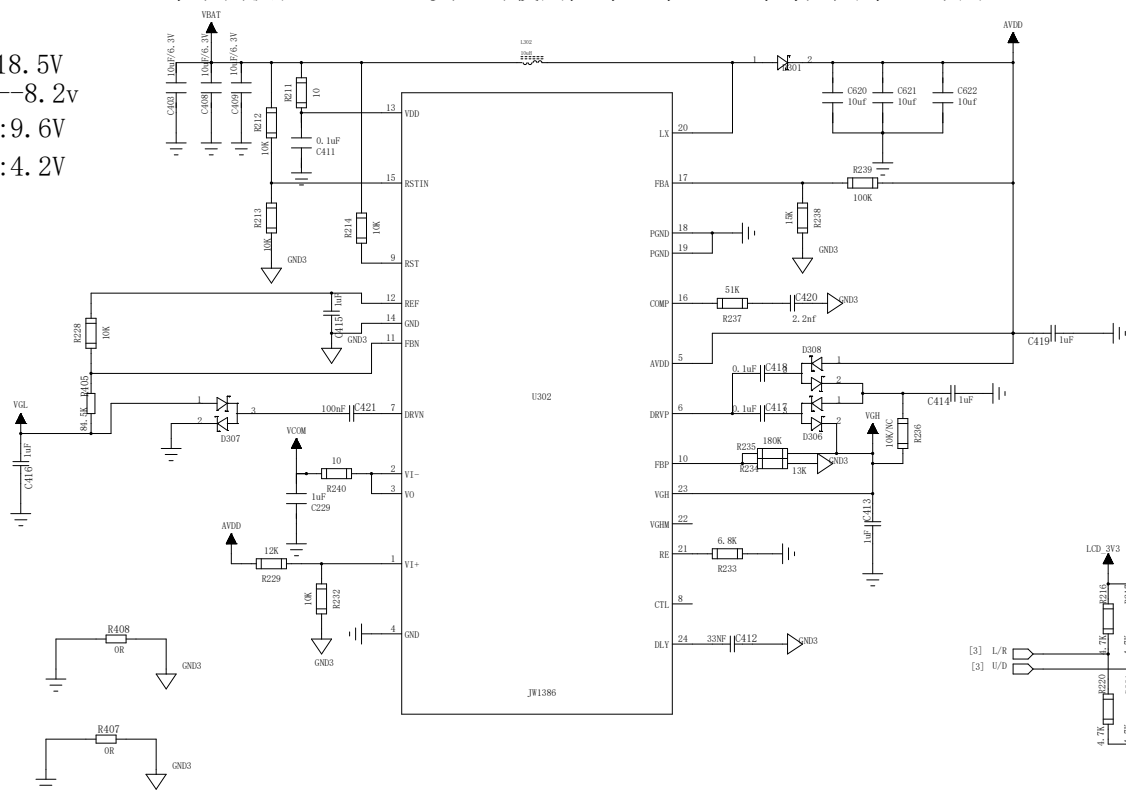
背光控制



偏置电源

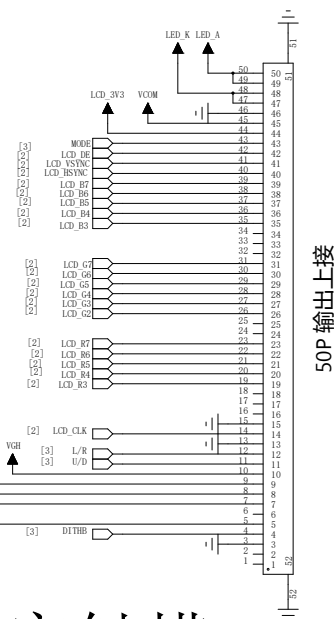
本示例仅在50PIN LCD类型时使用,7寸 9寸 10.1寸等大尺寸LCD常用

$V_{GH}: 18.5V$
 $V_{GL}: -8.2V$
 $AV_{DD}: 9.6V$
 $V_{COM}: 4.2V$

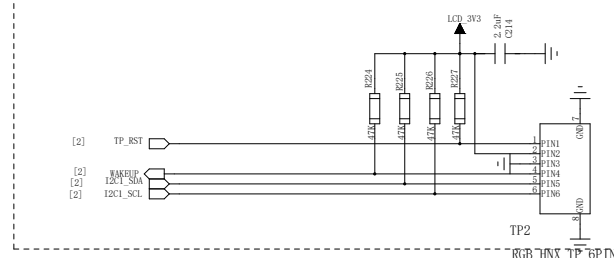


50PIN LCD

常用于7寸 9寸 10.1寸等大尺寸LCD



电容触摸



50P 输出上接

L

C

F

A

Air1603 RGB565 LCD

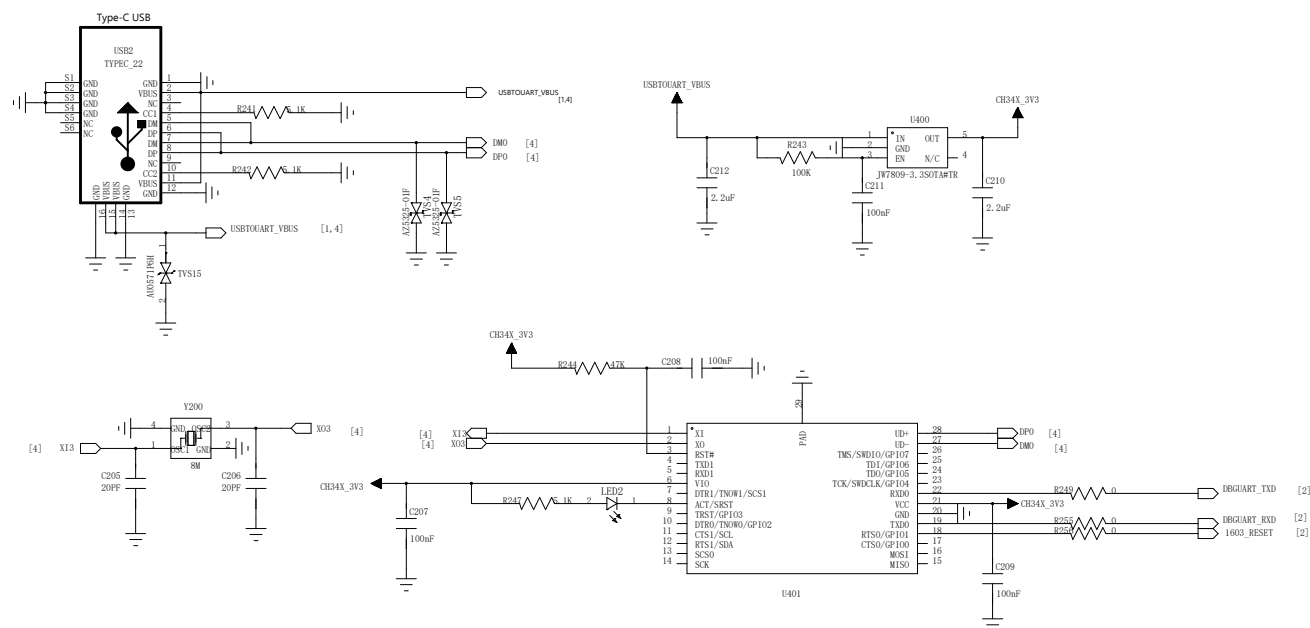
当前已适配最高分辨率1200*600，理论可支持到1280*800

Air8607

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: 3 OF 6	

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

USB to UART 下载电路



COMPANY:				上海合宙			
TITLE:				Air8607			
CODE:		SIZE:	DRAWING NO:			REV:	
A2							
SCALE:			SHEET: 4 OF 6				

DRAWN:	chengong	DATED:	2026101
CHECKED:	Laolu	DATED:	2026092
QUALITY CONTROL:	Laolu	DATED:	2026092
RELEASED:	Laolu	DATED:	2026092

D

C

B

A

D

C

B

A

6

5

4

3

2

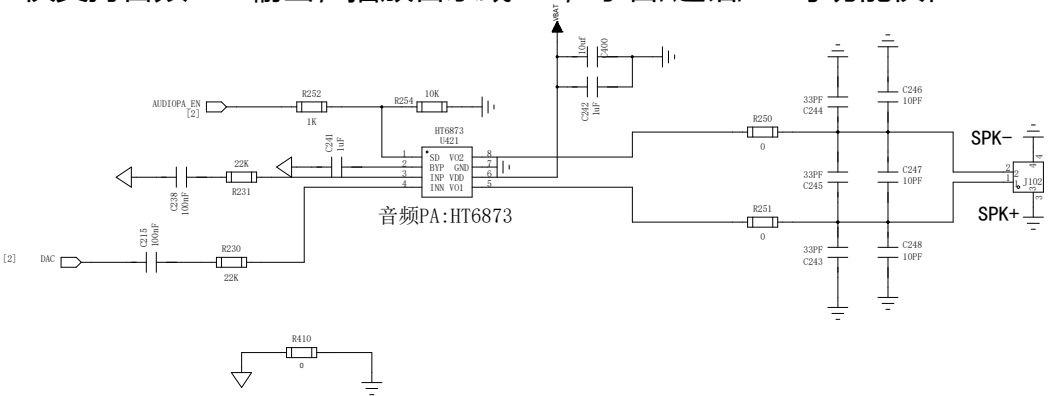
1

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

Air1603仅支持音频DAC输出，播放音乐或TTS；录音/通话/SIP等功能仅在Air1604系列支持



COMPANY: 上海合宙			
TITLE: Air8607			
CODE:	SIZE: A2	DRAWING NO:	REV:
SCALE:		SHEET: 5 OF 6	

DRAWN: chengong	DATED: 20261010
CHECKED: Laolu	DATED: 20260928
QUALITY CONTROL: Laolu	DATED: 20260928
RELEASED: Laolu	DATED: 20260928

D

C

B

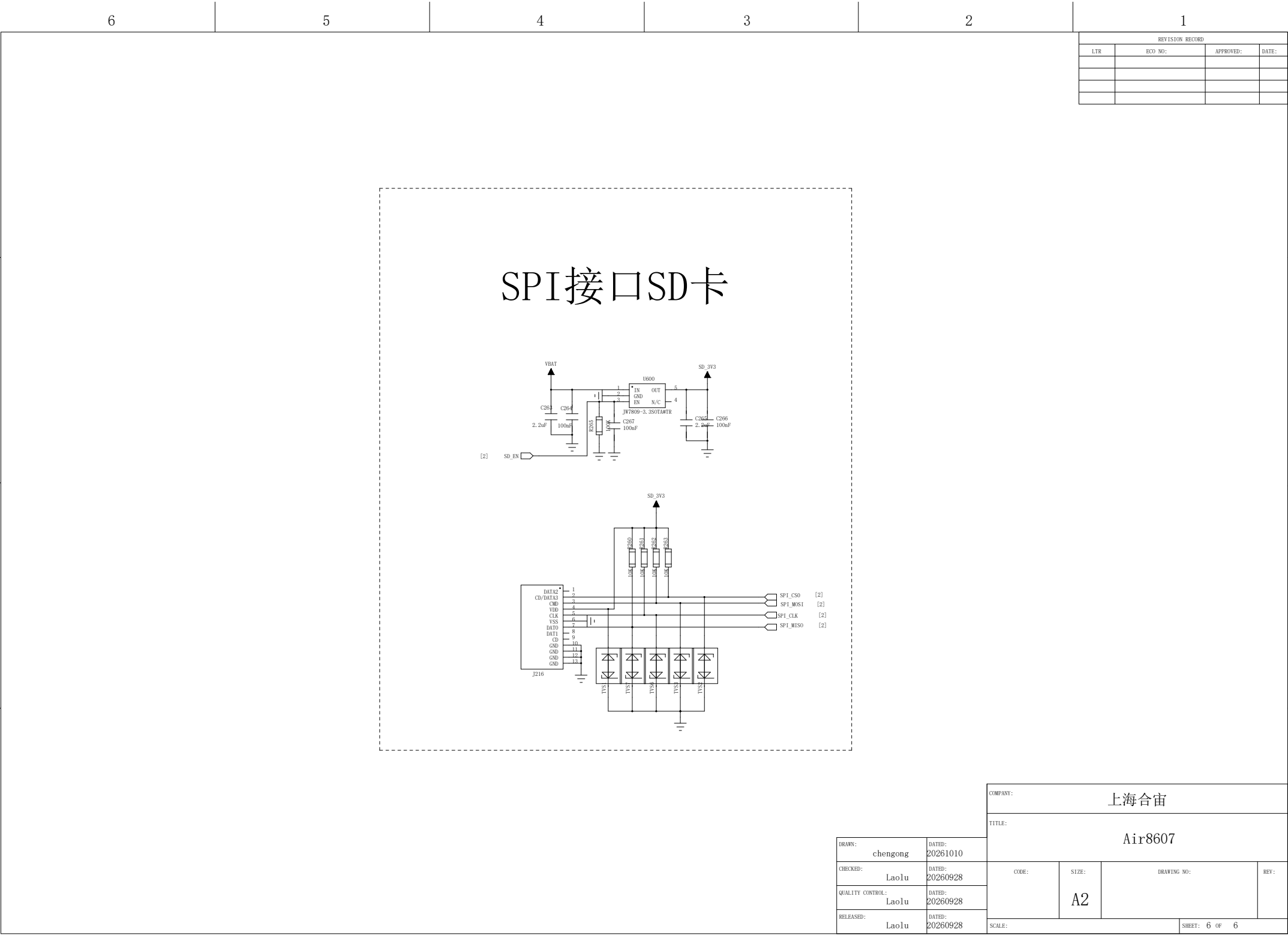
A

D

C

B

A



COMPANY: 上海合宙			
TITLE: Air8607			
CODE:	SIZE: A2	DRAWING NO:	REV:
SCALE:		SHEET: 6 OF 6	

DRAWN: chengong	DATED: 20261010
CHECKED: Laolu	DATED: 20260928
QUALITY CONTROL: Laolu	DATED: 20260928
RELEASED: Laolu	DATED: 20260928