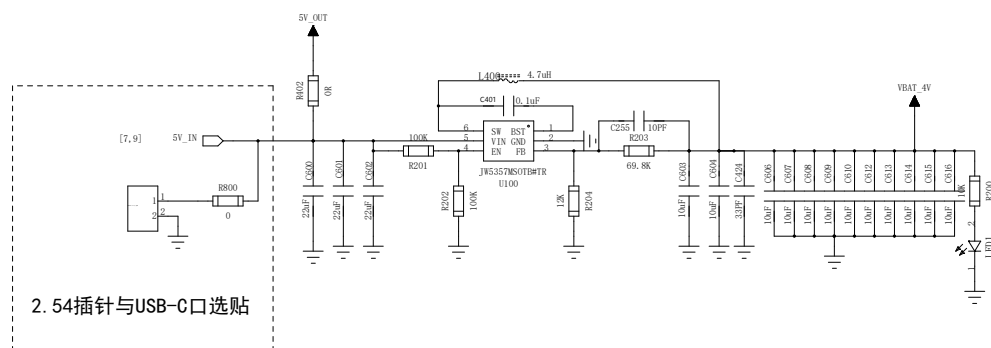


REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

POWER DCDC JW5357



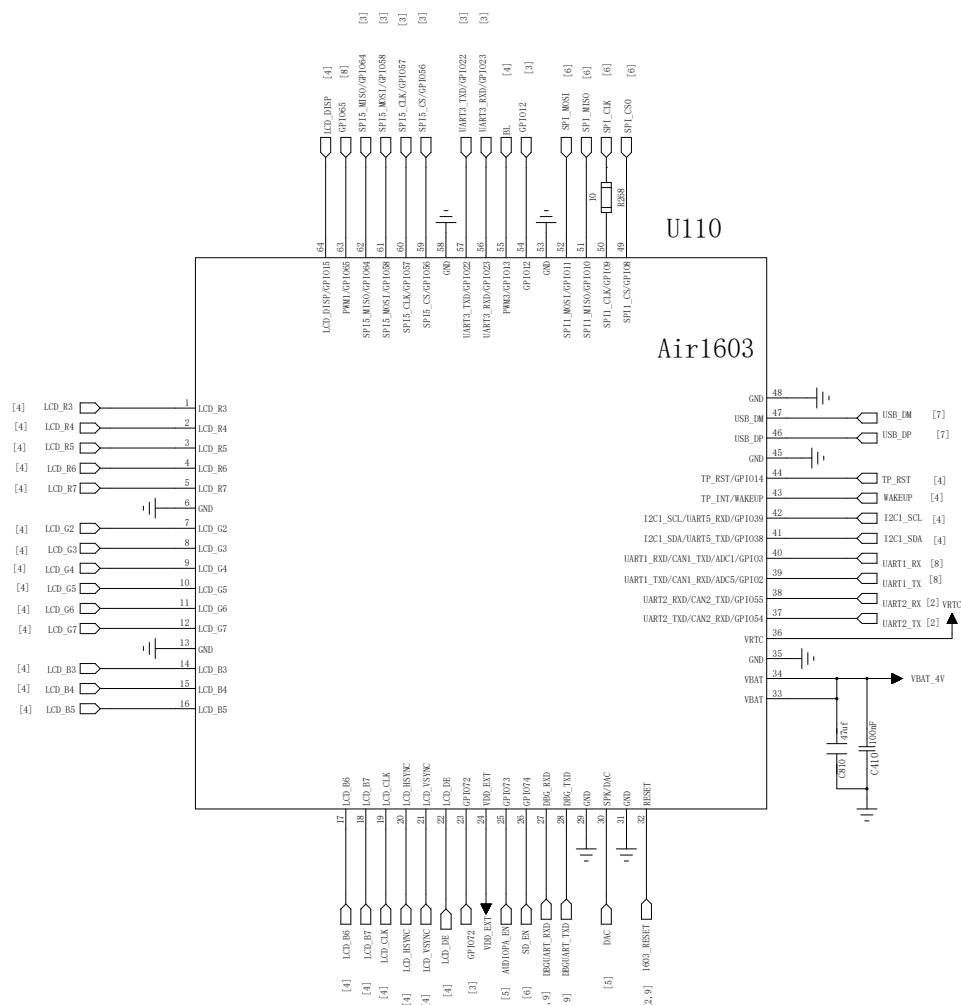
2. 54插针与USB-C口选贴

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

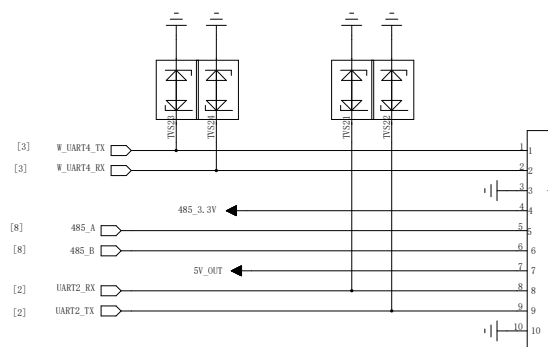
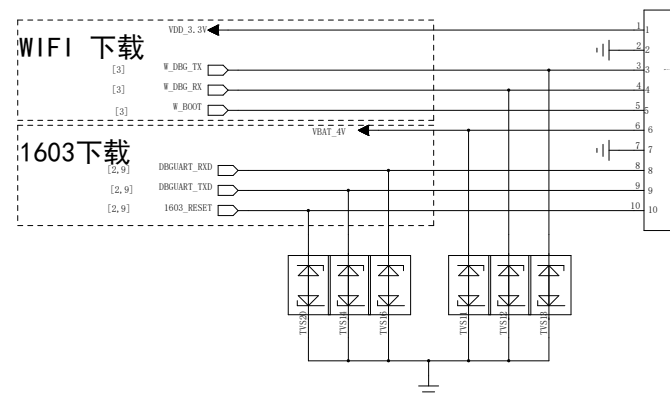
COMPANY:		上海合宙	
TITLE:			
Air8706W			
CODE:	SIZE:	DRAWING NO:	REV:
	A2		V0
SCALE:		SHEET: 1 OF 9	

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

Air1603 大屏智能主控

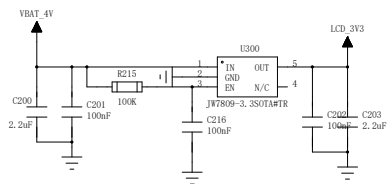


2.54 插针对外接口

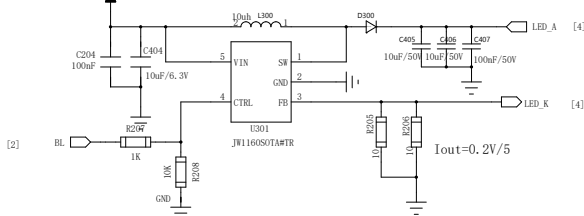


		COMPANY:				上海合宙	
		TITLE:					
DRAWN: chengong		DATED: 20261010		Air8706W			
CHECKED: Laolu	DATED: 20260928		CODE:	SIZE: A2	DRAWING NO:		REV: VO
QUALITY CONTROL: Laolu	DATED: 20260928						
RELEASED: Laolu	DATED: 20260928		SCALE:			SHEET: 2 OF 9	

数字电源3.3V



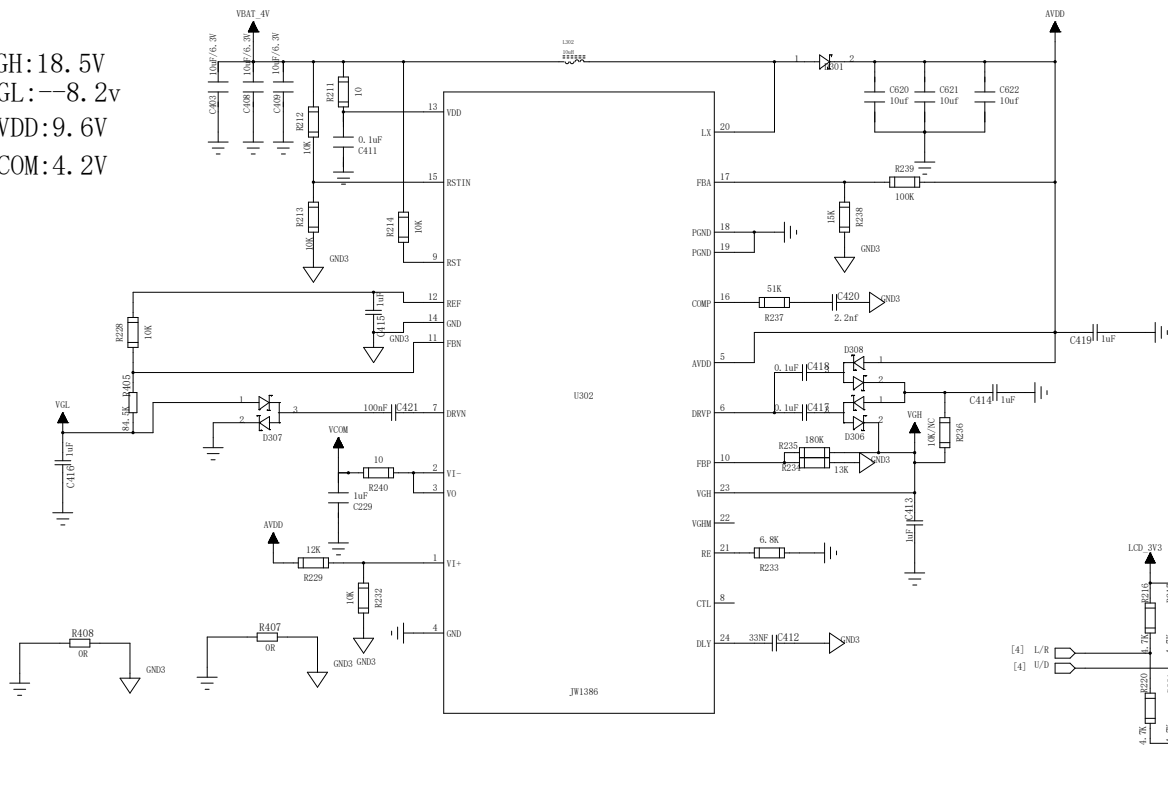
背光控制



偏置电源

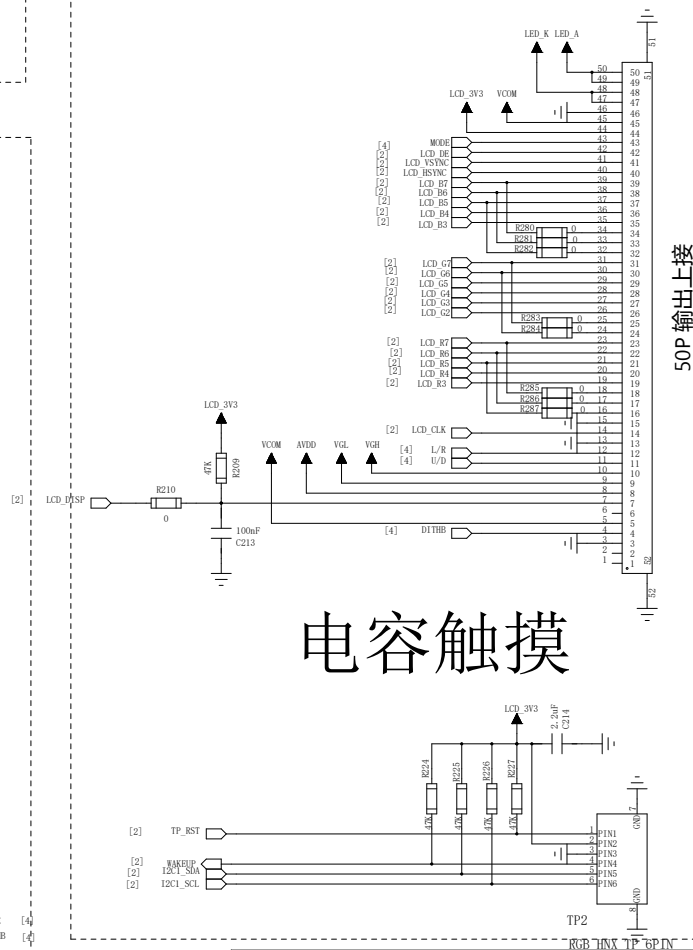
本示例仅在50PIN LCD类型时使用,7寸 9寸 10.1寸等大尺寸LCD常用

VGH: 18.5V
VGL: -8.2V
AVDD: 9.6V
VCOM: 4.2V

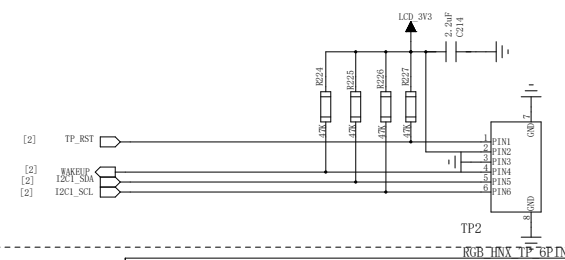


50PIN LCD

常用于7寸 9寸 10.1寸等大尺寸LCD



电容触摸



Air1603全系仅支持RGB565

当前已适配最高分辨率1200*600，理论可支持到1280*800

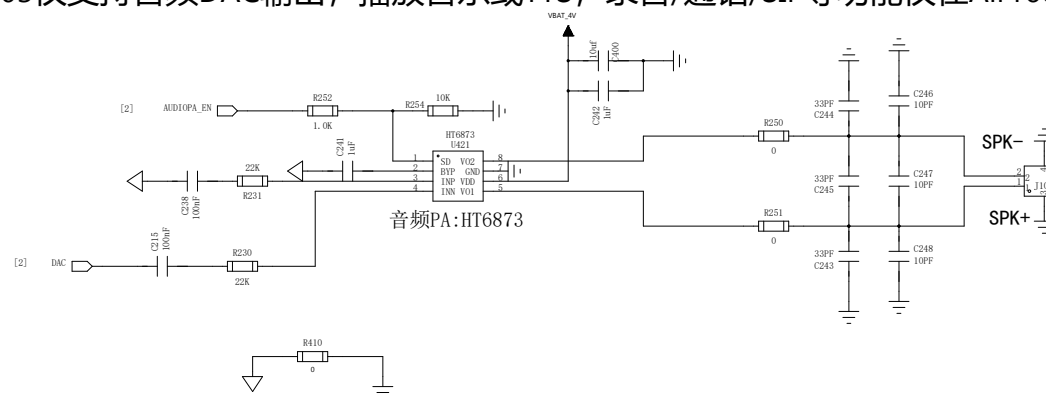
DRAWN: chengong		DATED: 20261010		Air8706W			
CHECKED: Laolu		DATED: 20260928		CODE:	SIZE: A2	DRAWING NO:	KEY: VO
QUALITY CONTROL: Laolu		DATED: 20260928					
RELEASED: Laolu		DATED: 20260928					
SCALE:				SHEET: 4 OF 9			

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Air1602支持



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

COMPANY:		上海合宙	
TITLE:			
Air8706W			
CODE:	SIZE:	DRAWING NO:	REV:
A2			VO
SCALE:		SHEET: 5 OF 9	

D

C

B

A

6

5

4

3

2

1

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

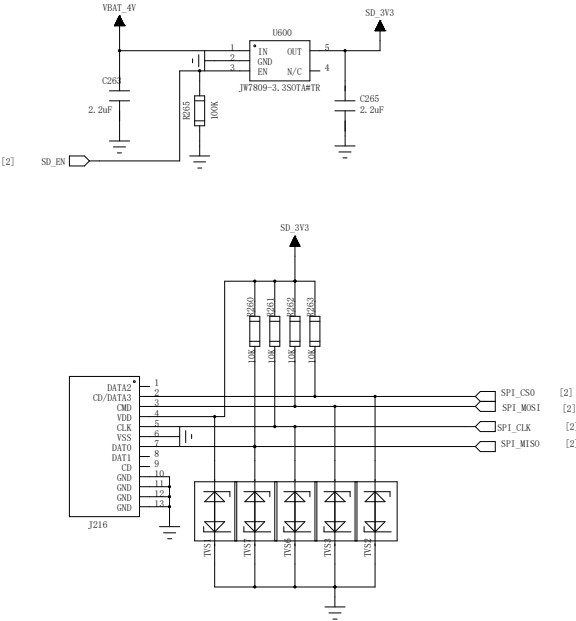
D

C

B

A

SPI接口SD卡



COMPANY: 上海合宙			
TITLE: Air8706W			
CODE:	SIZE: A2	DRAWING NO:	REV: V0
SCALE:		SHEET: 6 OF 9	

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

6

5

4

3

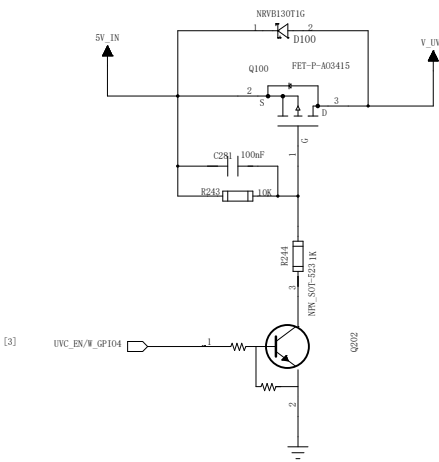
2

1

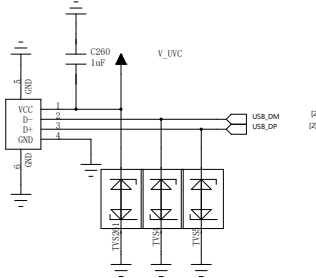
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

USB HOST 供电 5V

UVC摄像头&键鼠套装



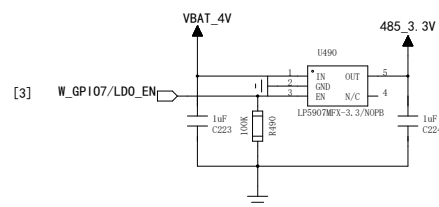
UVC摄像头



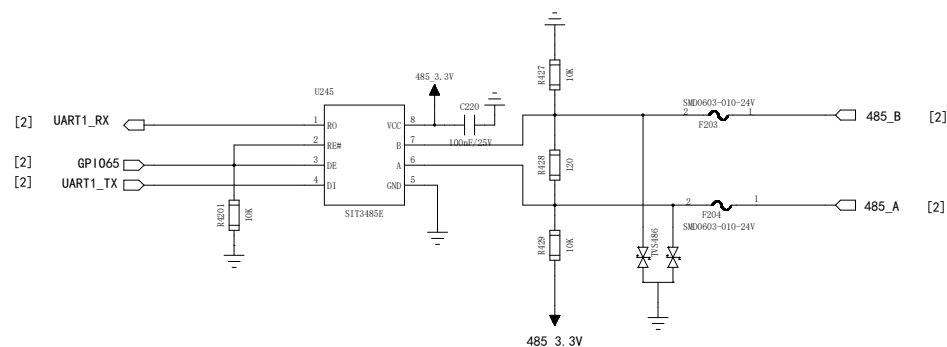
DRAWN: chengong		DATED: 20261010		COMPANY: 上海合宙			
CHECKED: Laolu		DATED: 20260928		TITLE: Air8706W			
QUALITY CONTROL: Laolu		DATED: 20260928		CODE:	SIZE: A2	DRAWING NO:	REV: V0
RELEASED: Laolu		DATED: 20260928		SCALE:			SHEET: 7 of 9

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

RS-485 供电



RS-485 UART



COMPANY:		上海合宙	
TITLE:			
Air8706W			
CODE:	SIZE:	DRAWING NO:	REV:
	A2		VO
SCALE:		SHEET: 8 OF 9	

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

6

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3

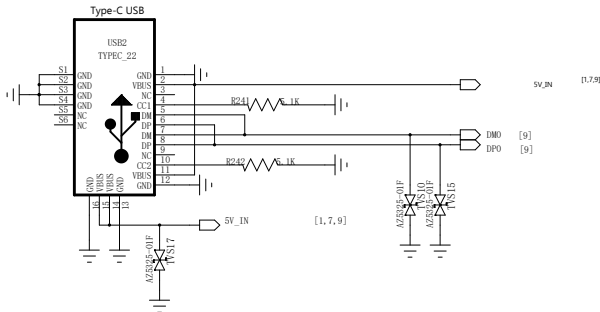
2

1

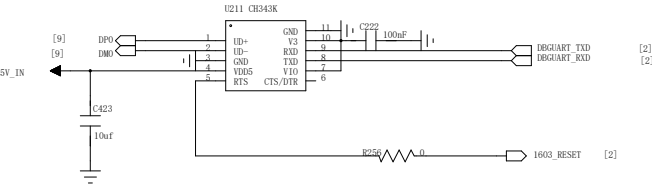
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

USB to UART 下载电路

Type-C USB



CH343



COMPANY:		上海合宙			
TITLE:		Air8706W			
DRAWN:	chengong	DATED:	20261010	CODE:	SIZE:
CHECKED:	Laolu	DATED:	20260928	DRAWING NO:	
QUALITY CONTROL:	Laolu	DATED:	20260928	REV:	
RELEASED:	Laolu	DATED:	20260928	SCALE:	
				SHEET: 9 of 9	