Revision

REV	DESCRIPTION	DATE	APPROVED
S01A Init	First Release		
	1 Add ESD Protect 2 Add PMOS Control WIFI Power 2 Add SSD201 GPIO Control WIFI Reset ,remove SSW101B 19 Pin ,NC		

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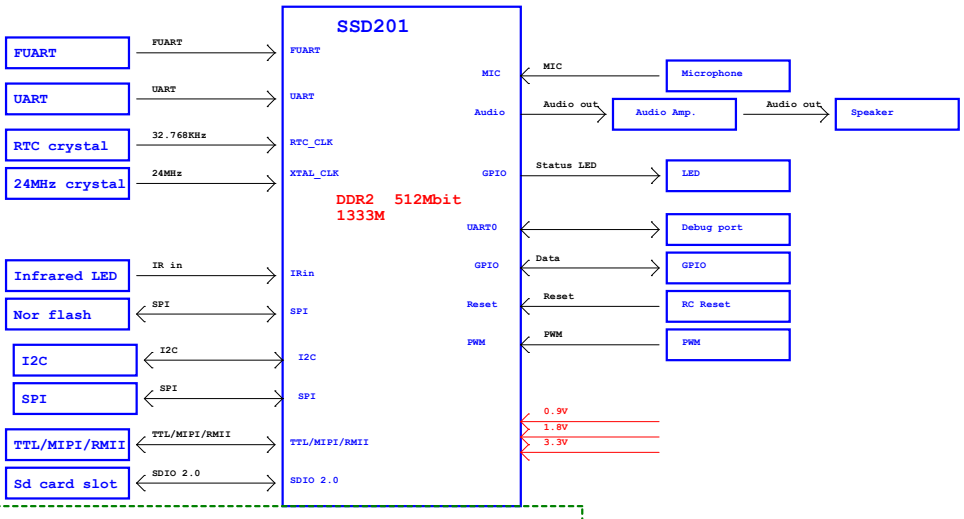
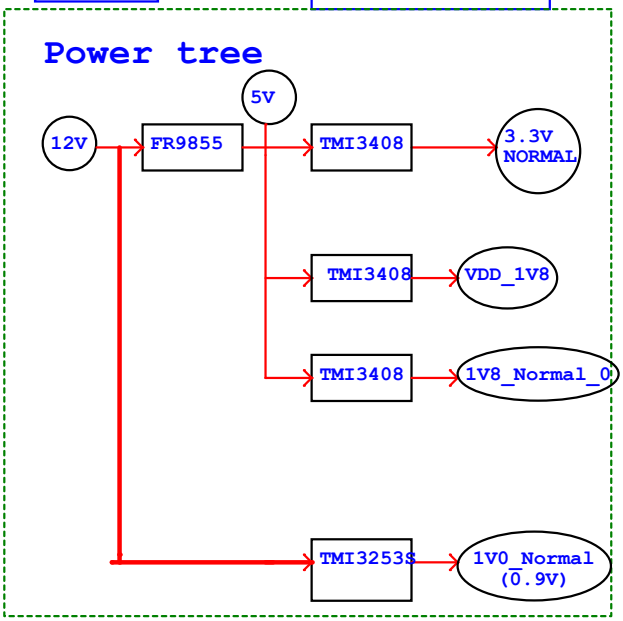
Title: SSD201 Display Demo Board

Size: B | Document Number: Revision History | Rev: v0.1

Date: Saturday, November 02, 2019 | Sheet 1 of 11





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Title: SSD201 Display Demo Board

Size: C | Document Number: Block Diagram | Rev: v0.1

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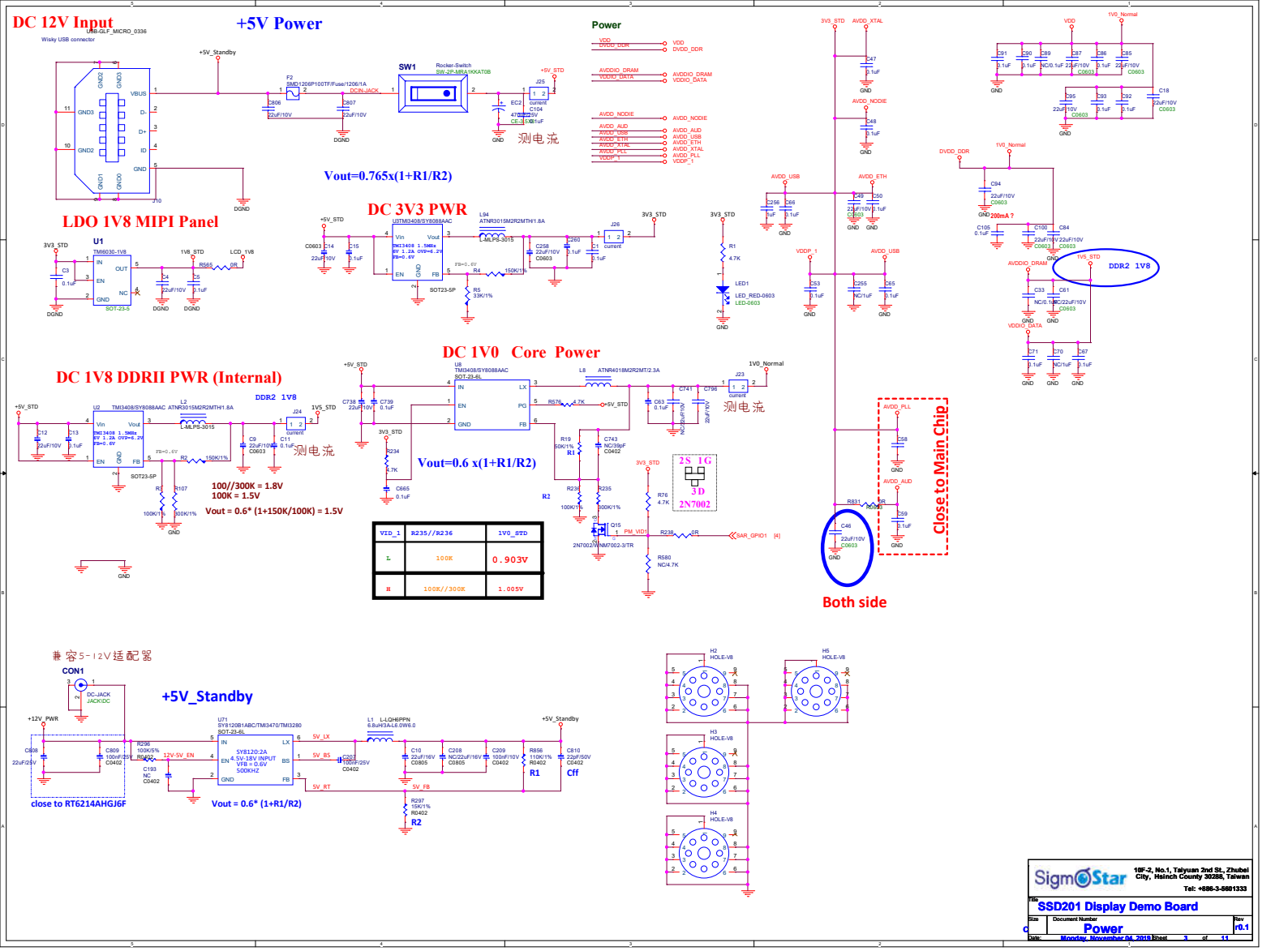
DC 12V Input
Wisky USB connector
+5V Power
Power
Vout=0.765x(1+R1/R2)
DC 3V3 PWR
LDO 1V8 MIPI Panel
DC 1V0 Core Power
DC 1V8 DDRII PWR (Internal)
Vout=0.6 x(1+R1/R2)
100//300K = 1.8V
100K = 1.5V
Vout = 0.6* (1+150K/100K) = 1.5V
VID_1 | R235//R236 | 1V0_STD
L | 100K | 0.903V
H | 100K//300K | 1.005V
Close to Main Chip
Both side
兼容5-12V适配器
+5V_Standby
close to RT6214AHGJ6F
Vout = 0.6* (1+R1/R2)
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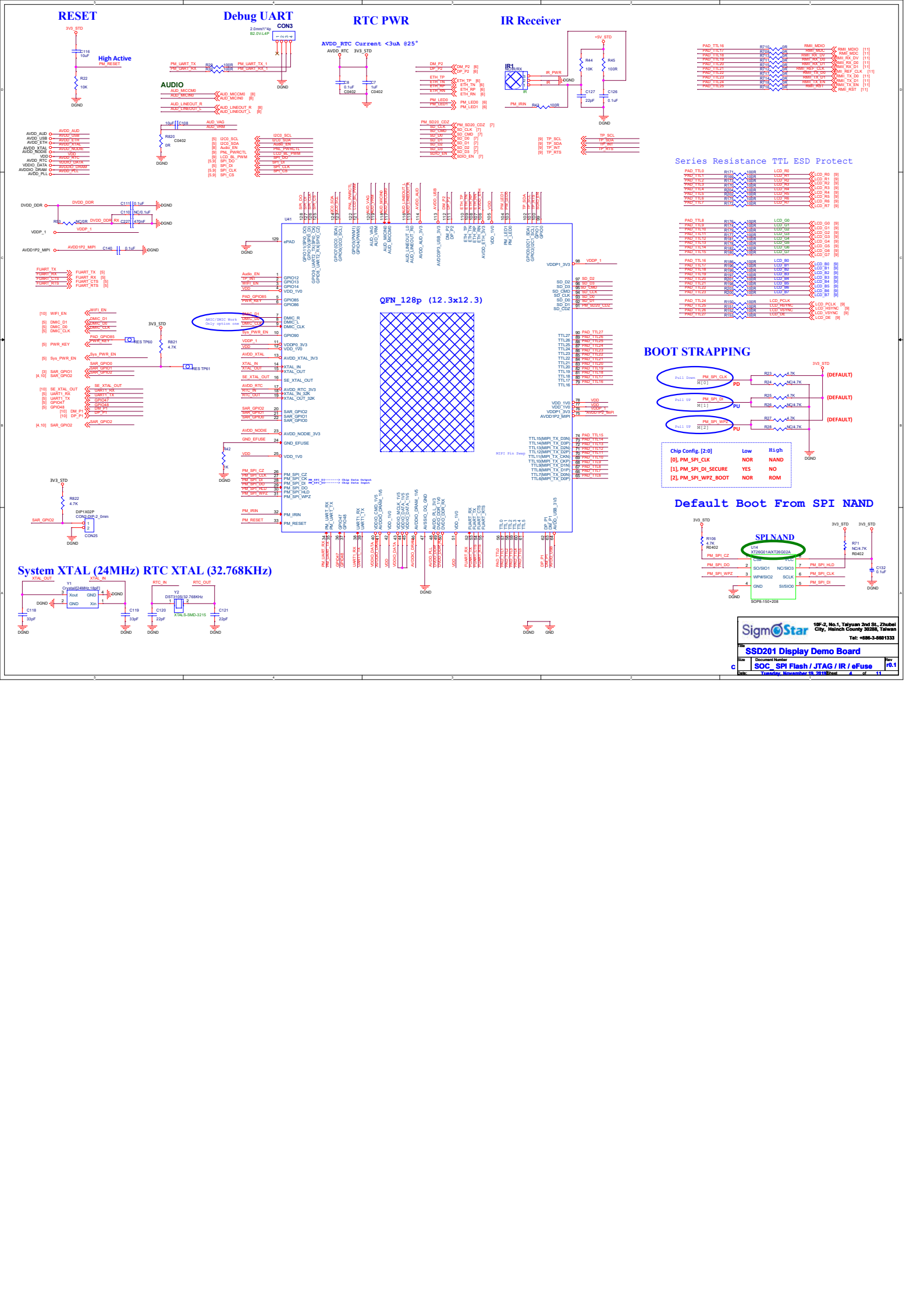
SSD201 Display Demo Board
Power
Monday, November 04, 2019


RESET
Debug UART
RTC PWR
IR Receiver
AUDIO
Series Resistance TTL ESD Protect
QFN_128p (12.3x12.3)
BOOT STRAPPING
Default Boot From SPI NAND
System XTAL (24MHz) RTC XTAL (32.768KHz)
SSD201 Display Demo Board
SOC_SPI Flash / JTAG / IR / eFuse
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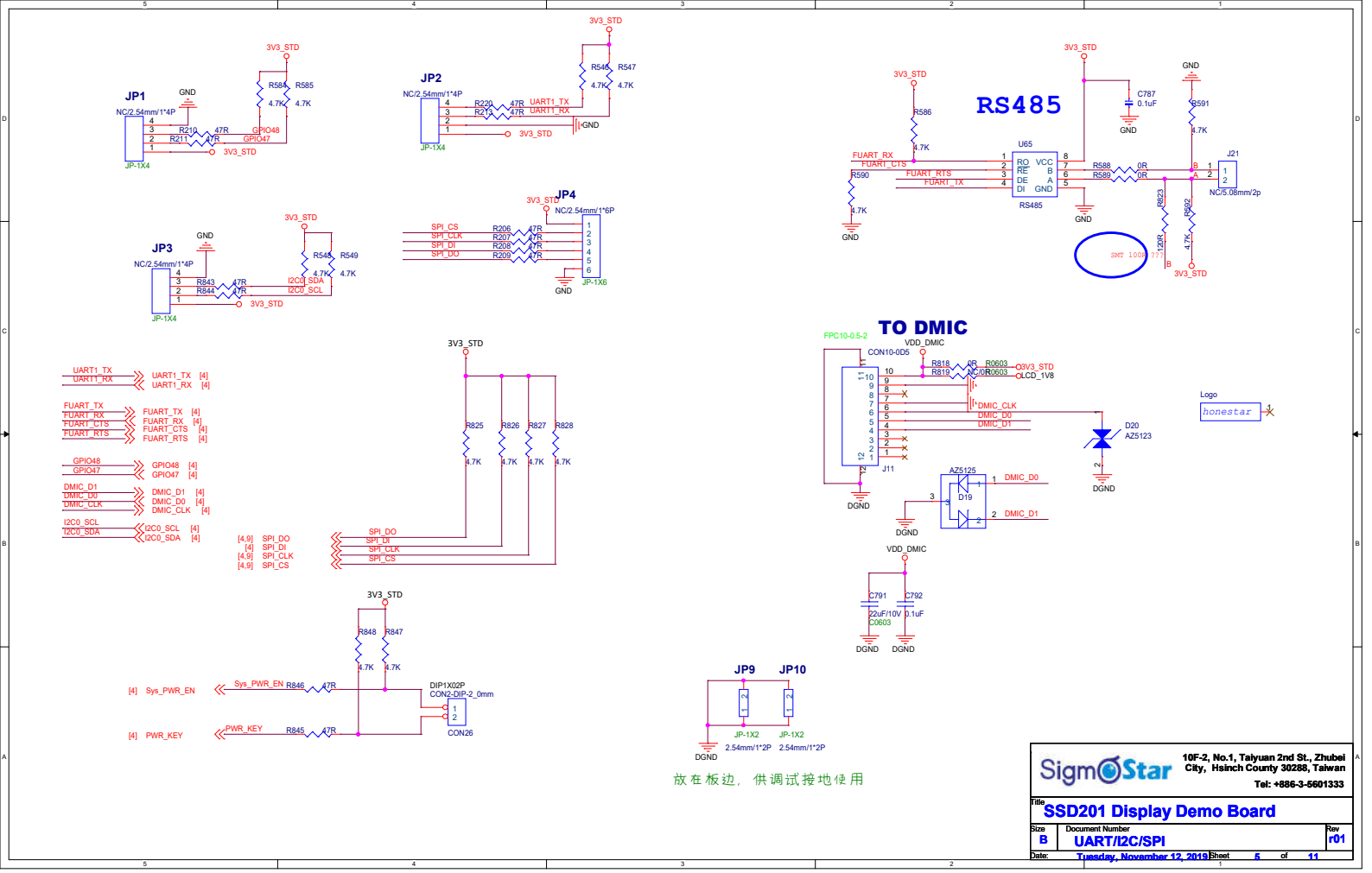

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Title	SSD201 Display Demo Board	
Size: B	Document Number: UART/I2C/SPI	Rev: r01
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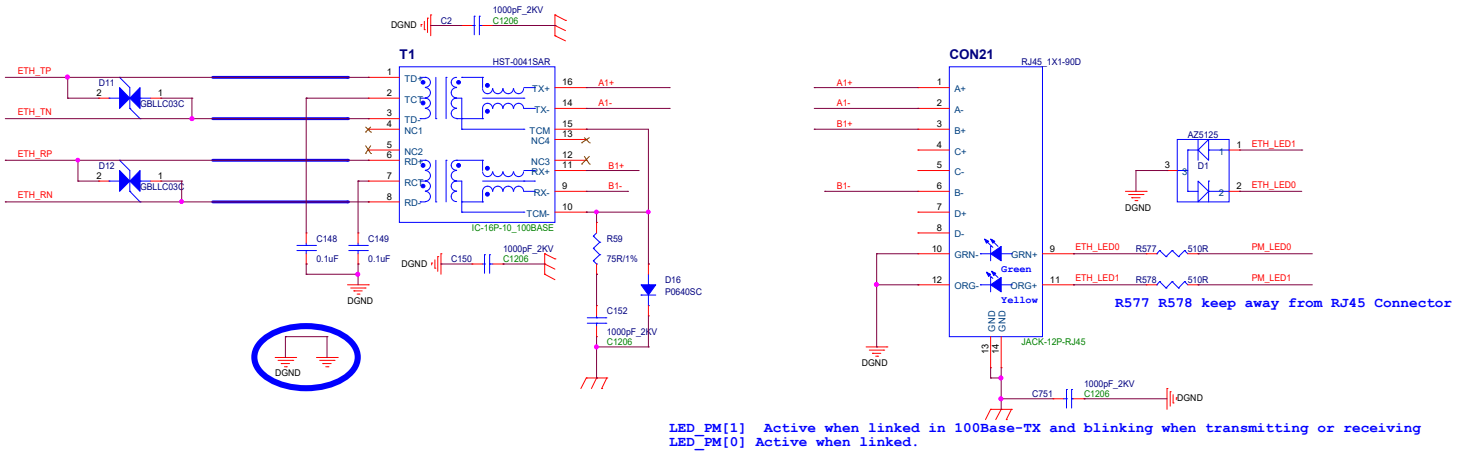
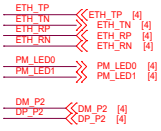
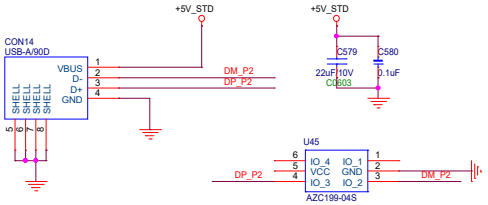


R577 R578 keep away from RJ45 Connector

LED_PM[1] Active when linked in 100Base-TX and blinking when transmitting or receiving
LED_PM[0] Active when linked.



P2 - USB2.0 Host



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Title: SSD201 Display Demo Board

Size	Document Number	Rev
B	USB	r01

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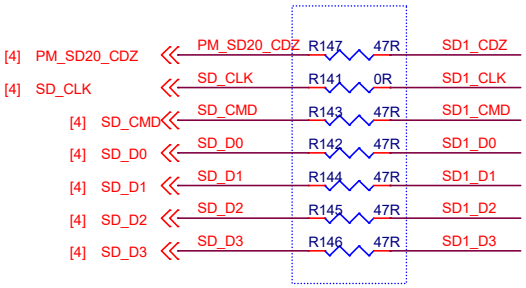
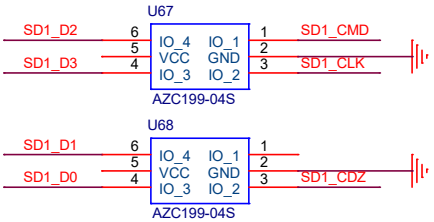
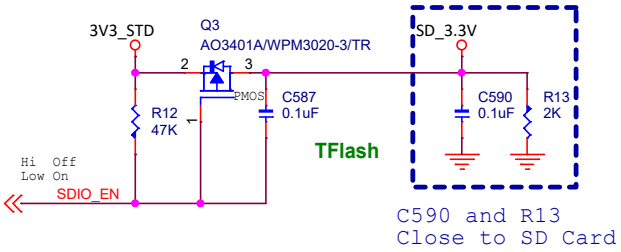
SDIO 2.0

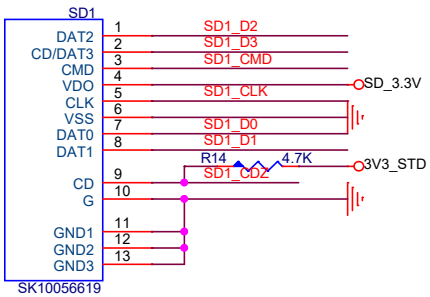
Series Resistance TTL ESD Protect







C590 and R13
Close to SD Card



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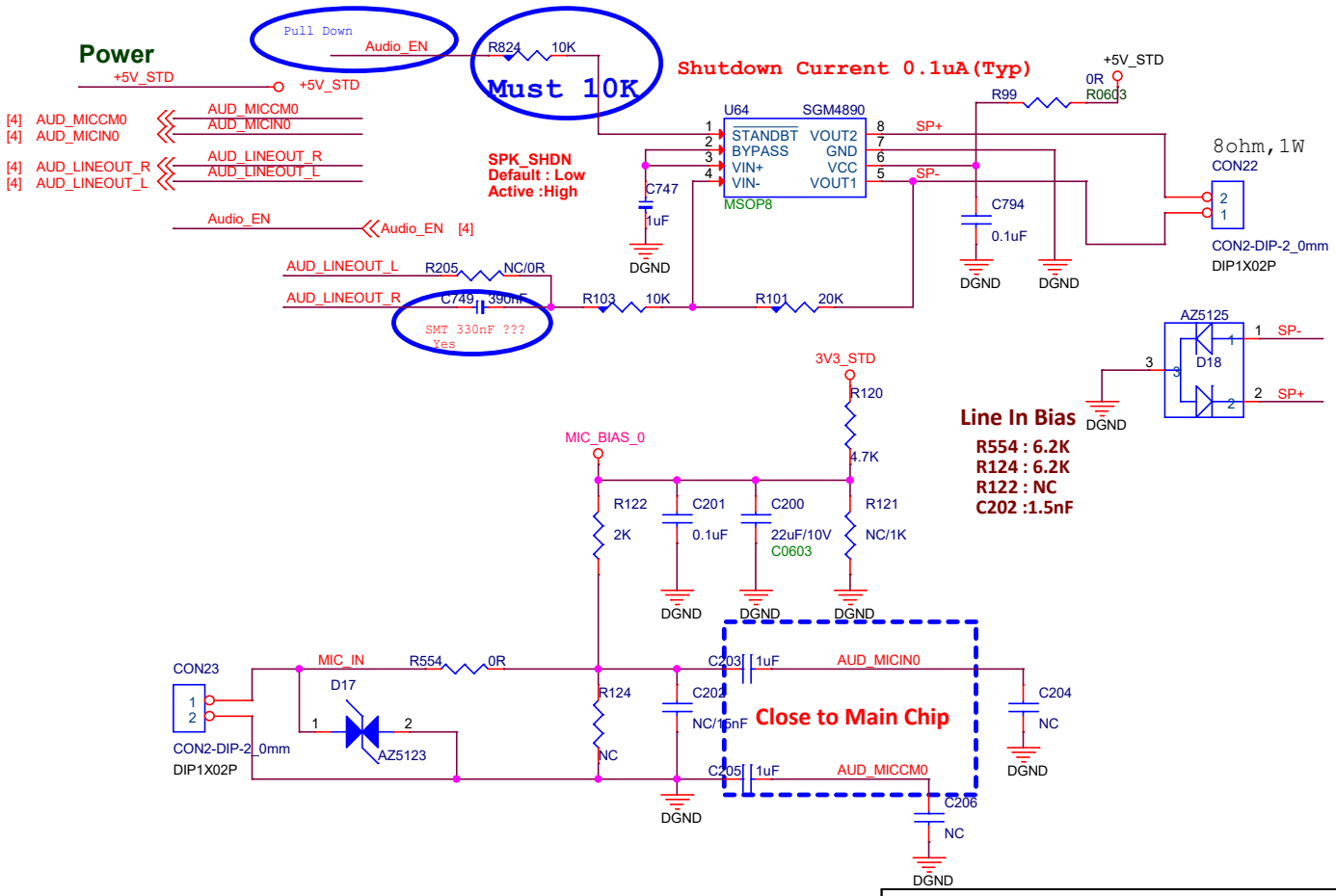
Title: **SSD201 Display Demo Board**

Size	Document Number	Rev
A	SD	r01

Date: Saturday, November 02, 2013 Sheet 7 of 11



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Title: **SSD201 Display Demo Board**

Size	Document Number	Rev
A	Audio	r01

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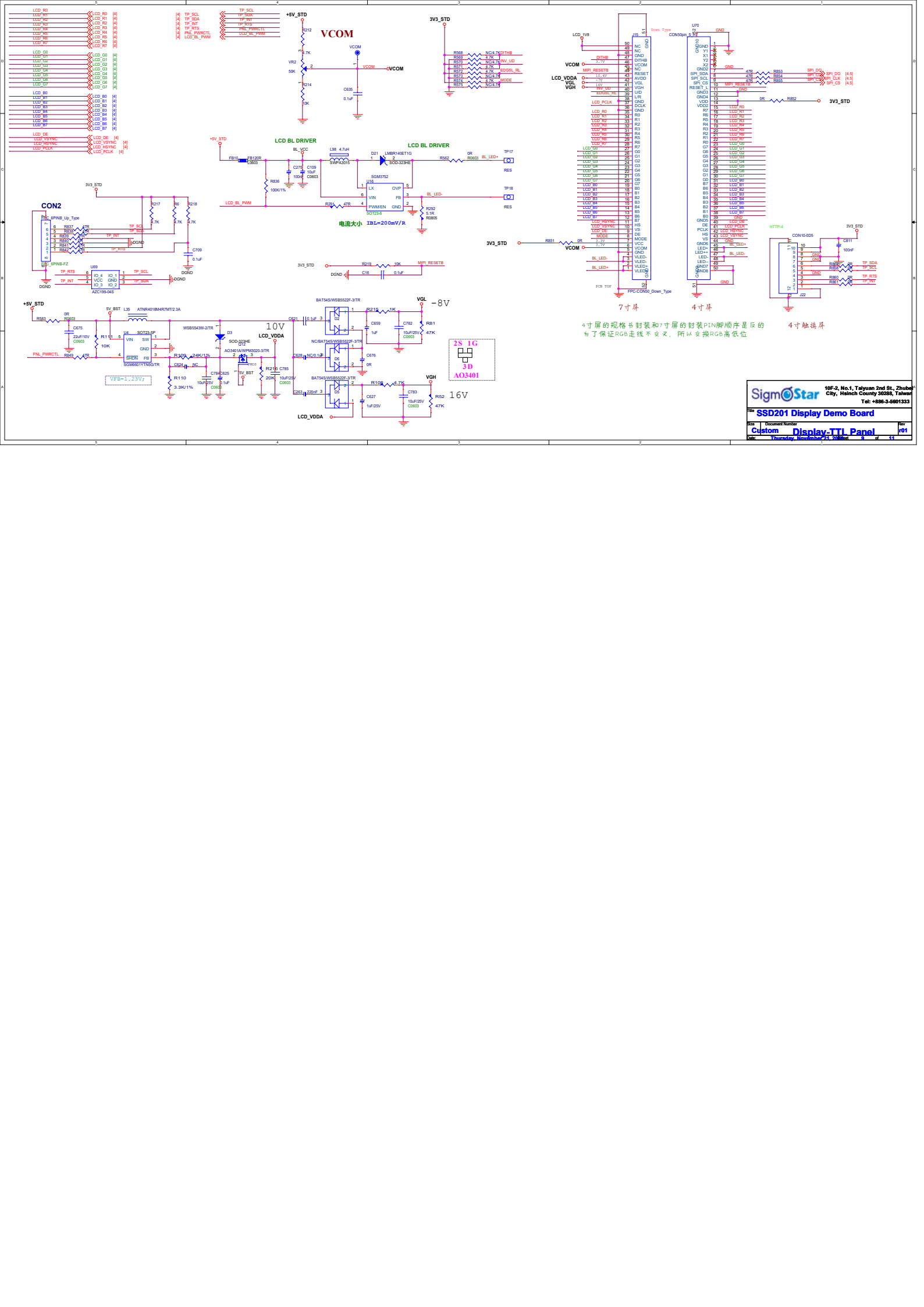
VCOM
LCD BL DRIVER
LCD BL DRIVER
CON2
电流大小 IBL=200mV/R
7寸屏
4寸屏
4寸触摸屏
4寸屏的规格书封装和7寸屏的封装PIN脚顺序是反的
为了保证RGB走线不交叉，所以交换RGB高低位
2S 1G
3D
AO3401
10V
-8V
16v
VFB=1.23V;
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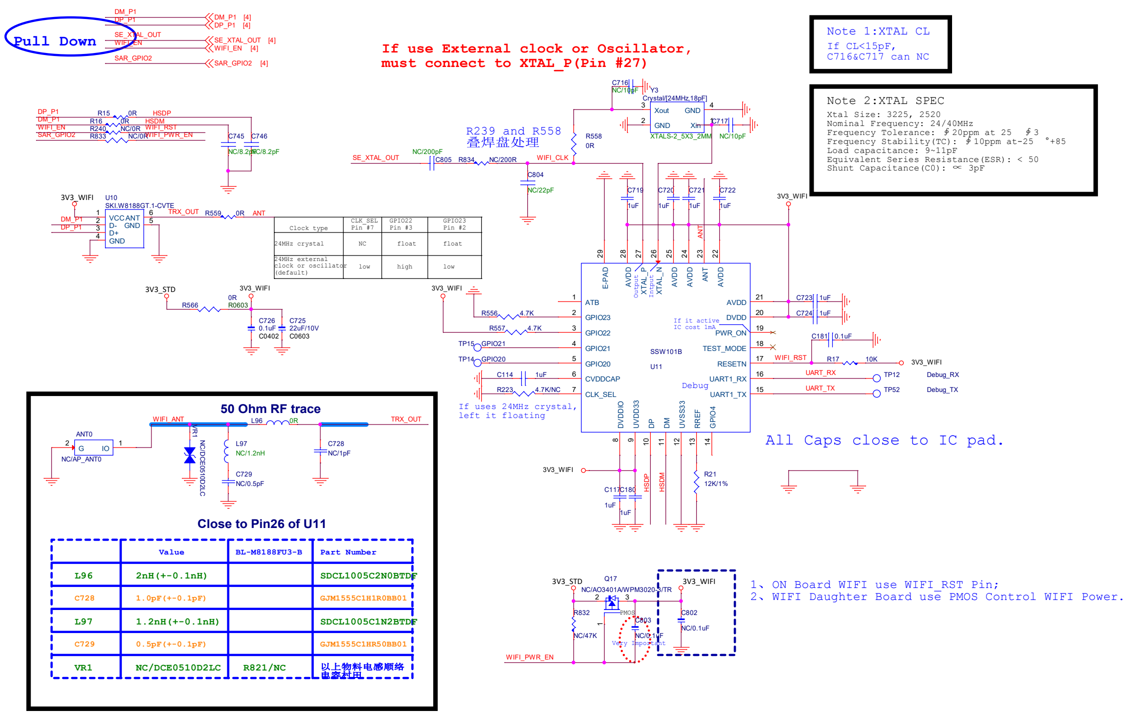
SSD201 Display Demo Board
Custom
Display-TTL Panel
r01
Thursday, November 21, 2013
11



Clock type	CLK_SEL Pin #7	GPIO22 Pin #3	GPIO23 Pin #2
24MHz crystal	NC	float	float
24MHz external clock or oscillator (default)	low	high	low

Note 1:XTAL CL

If CL<15pF,
C716&C717 can NC

Note 2:XTAL SPEC

Xtal Size: 3225, 2520
Nominal Frequency: 24/40MHz
Frequency Tolerance: ∮20ppm at 25 ∮3
Frequency Stability(TC): ∮10ppm at-25 °+85
Load capacitance: 9~11pF
Equivalent Series Resistance(ESR): < 50
Shunt Capacitance(C0): ∝ 3pF

Close to Pin26 of U11

	Value	BL-M8188FU3-B	Part Number
L96	2nH(+-0.1nH)		SDCL1005C2N0BTDF
C728	1.0pF(+-0.1pF)		GJM1555C1H1R0BB01
L97	1.2nH(+-0.1nH)		SDCL1005C1N2BTDF
C729	0.5pF(+-0.1pF)		GJM1555C1HR50BB01
VR1	NC/DCE0510D2LC	R821/NC	以上物料电感顺络电容村田

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Title	SSD201 Display Demo Board
Size	C
Document Number	USB WIFI
Rev	r01
Date:	Wednesday, February 26, 2020
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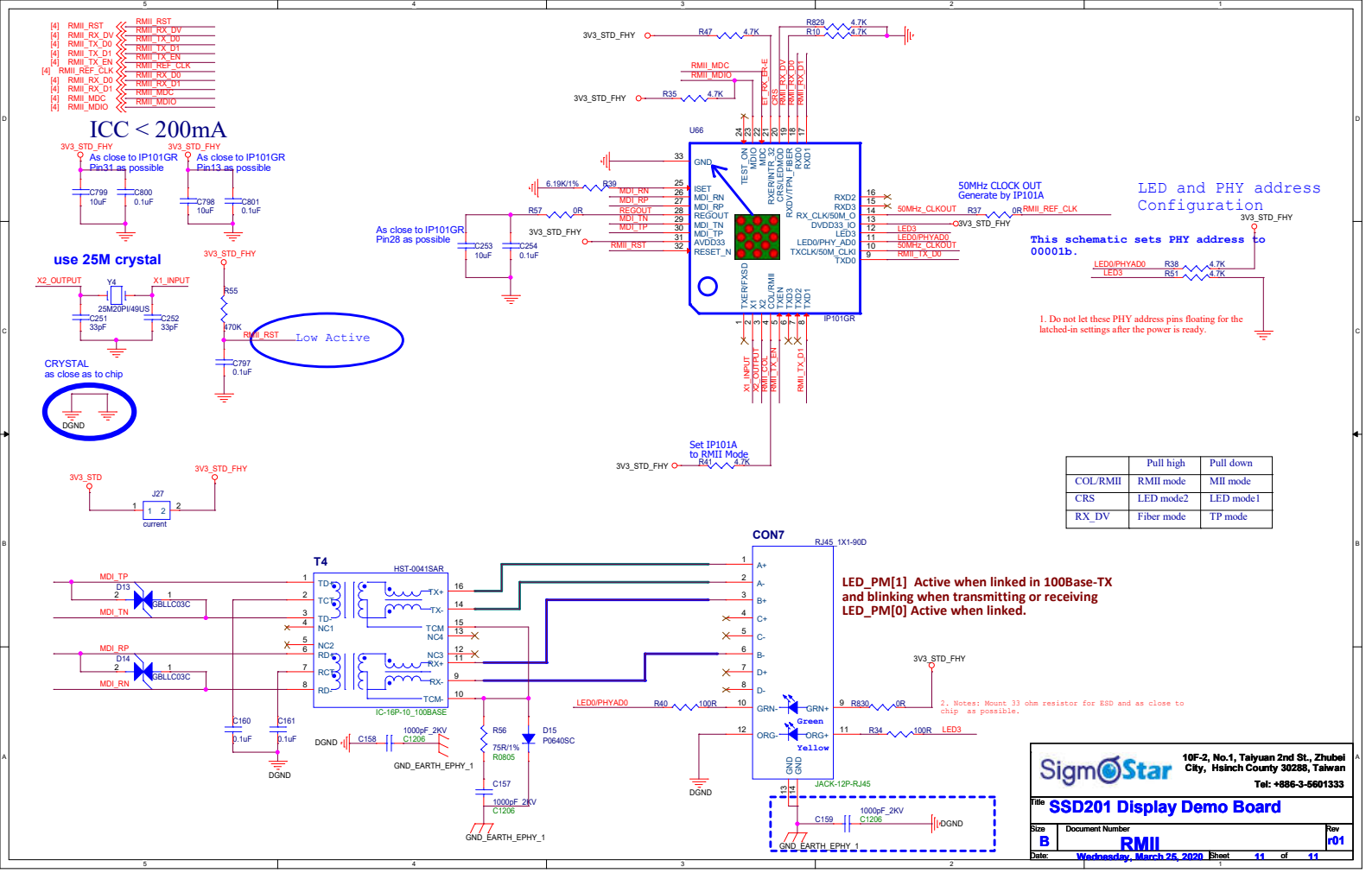

	Pull high	Pull down
COL/RMII	RMII mode	MII mode
CRS	LED mode2	LED mode1
RX_DV	Fiber mode	TP mode

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Title: SSD201 Display Demo Board
Size: B
Document Number: RMII
Rev: r01
Date: Wednesday, March 25, 2020
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