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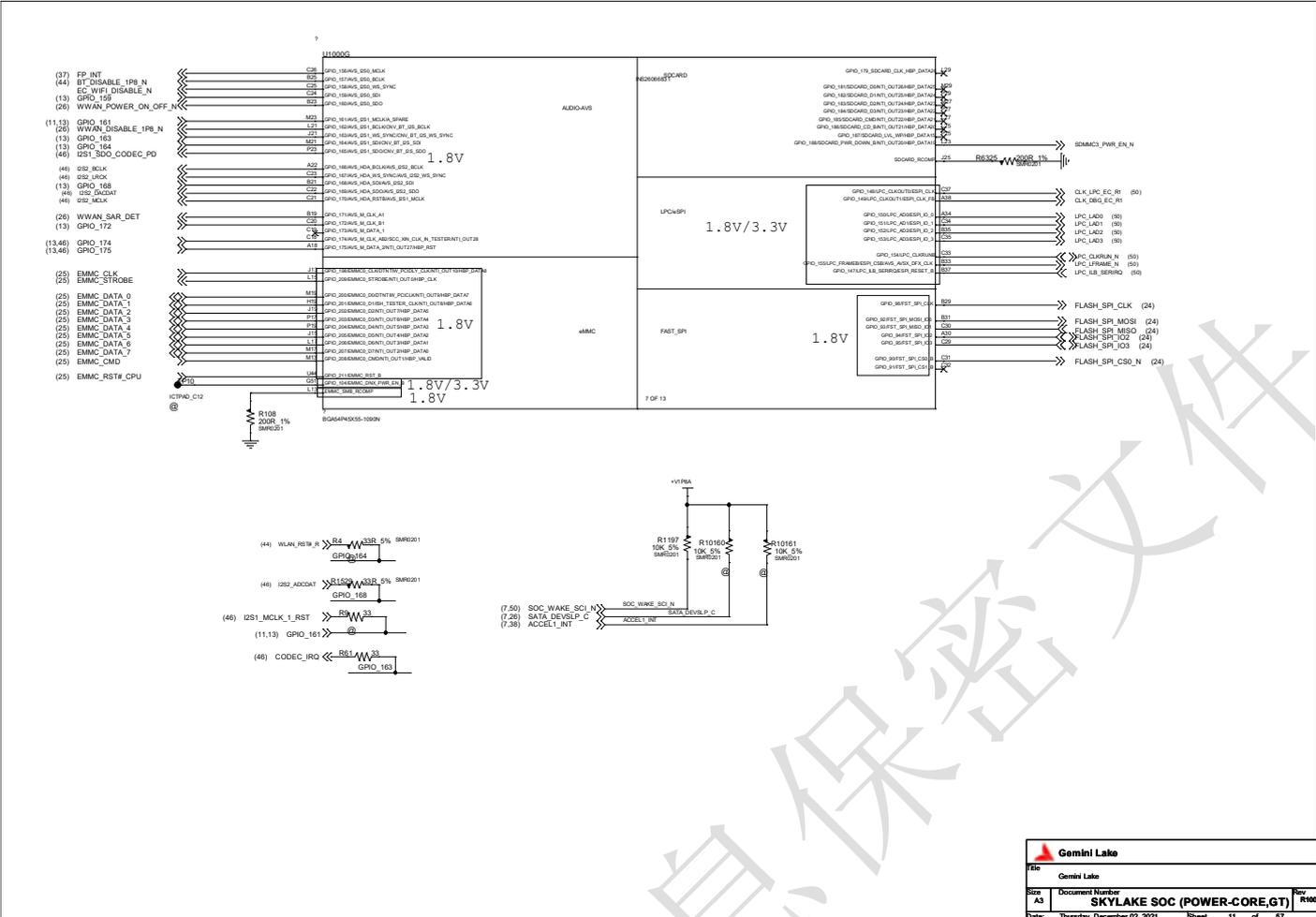
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Doc No: B 000001 B 000 001

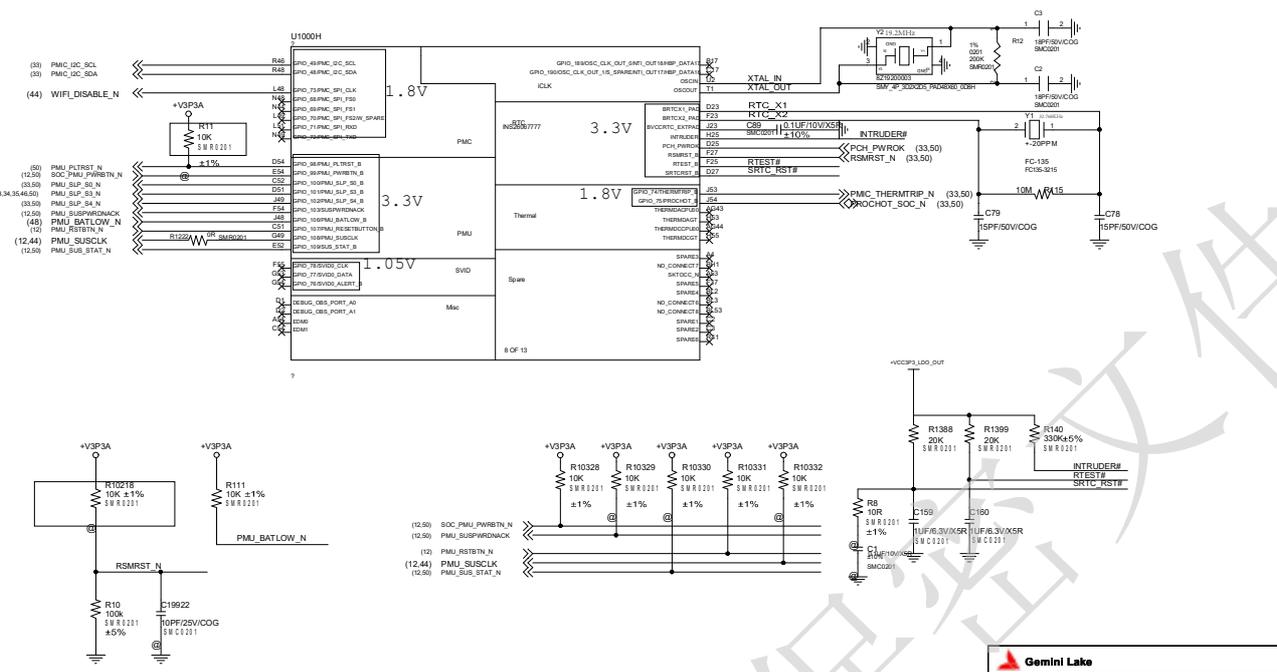
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Doc Date: Thursday, December 02, 2021

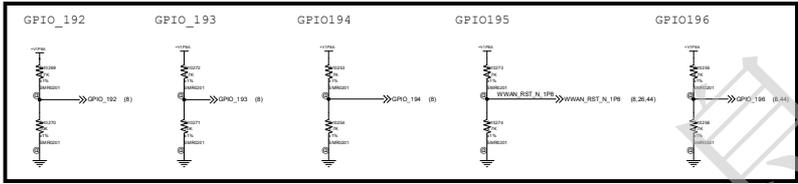
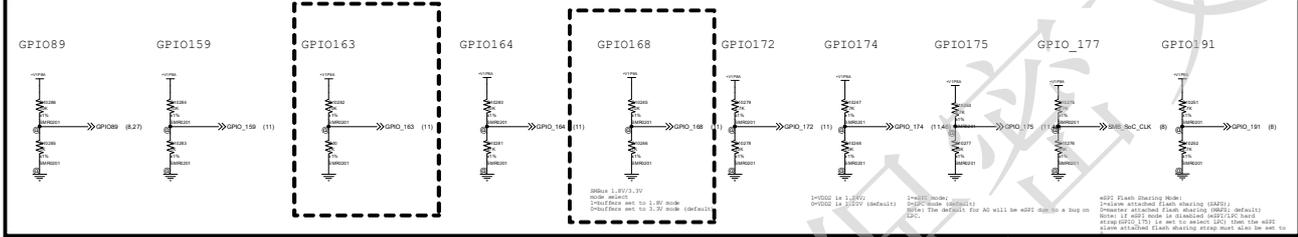
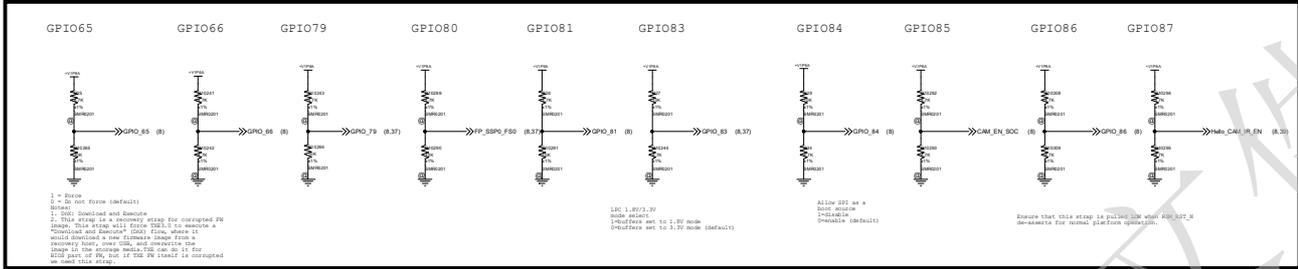
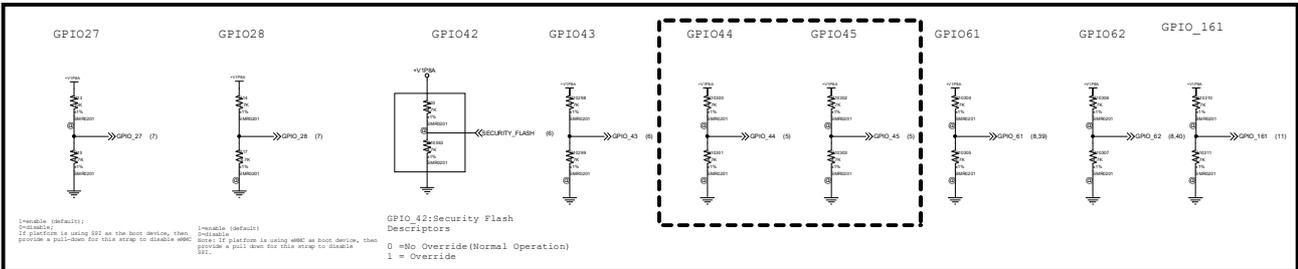
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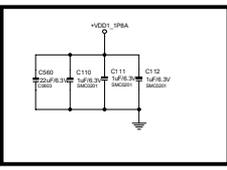
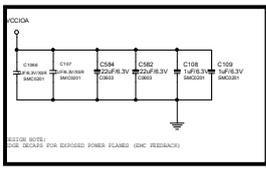
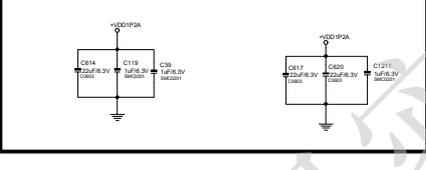
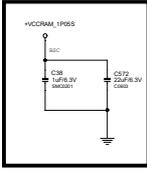
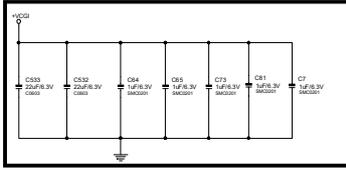
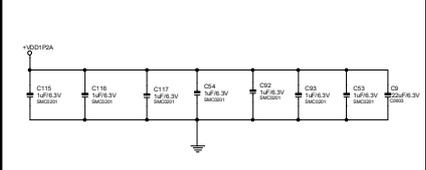
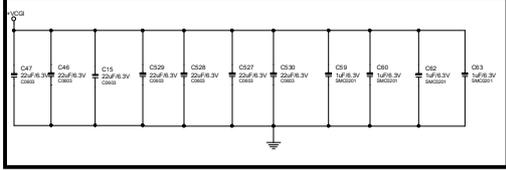
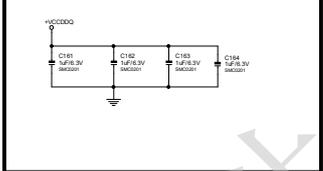
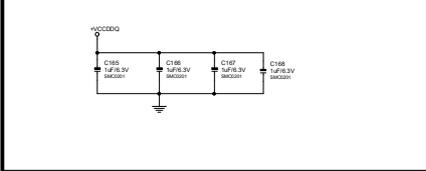
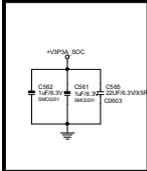
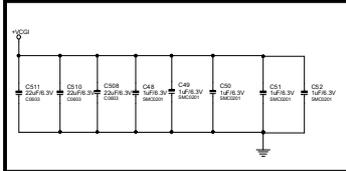
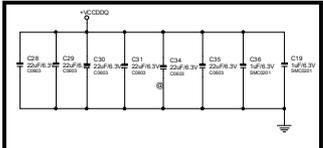
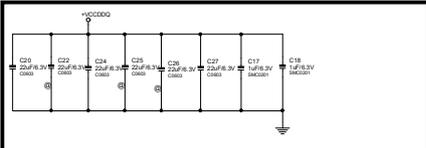
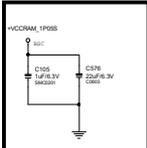
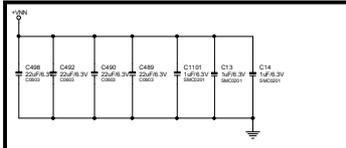


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Doc	Document Number	Rev
A3	SKYLAKE SOC (POWER-CORE,GT)	R100
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<b>Gemini Lake</b>	
File: Gemini Lake	
Rev: B	Doc: 000018 Rev B1
<b>SKYLAKE SOC (CPU POWER)</b>	
Date: Thursday, December 02, 2021	Sheet: 12 of 57





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 THIS BOARD HAS EXPOSED PADS PLATED (SMT PRESENCE)

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Rev	Geminil Lake
Doc No	SKYLAKE SOC (CPU_MISC_ITAG)
Date	Thursday, December 06, 2019 14:29:59



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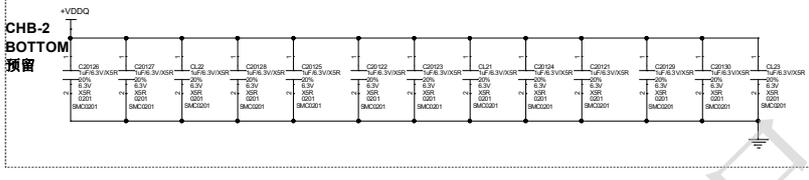
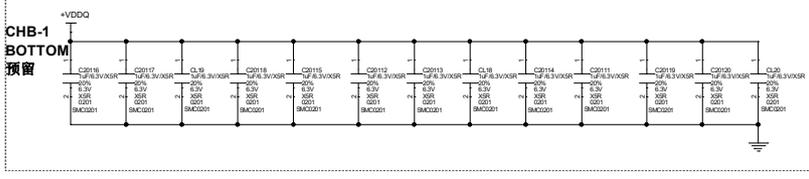
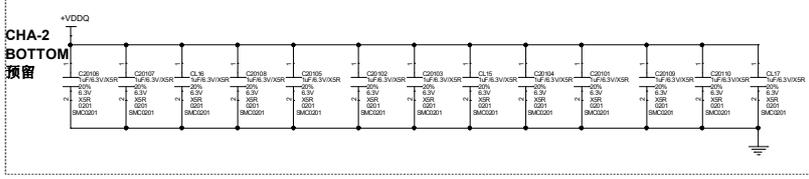
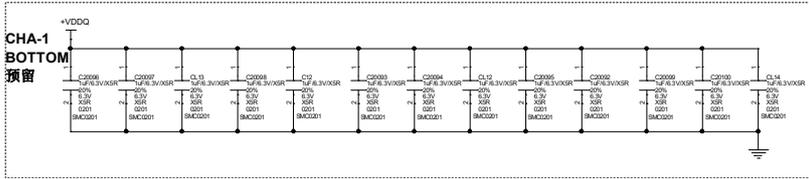
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Rev	1.0

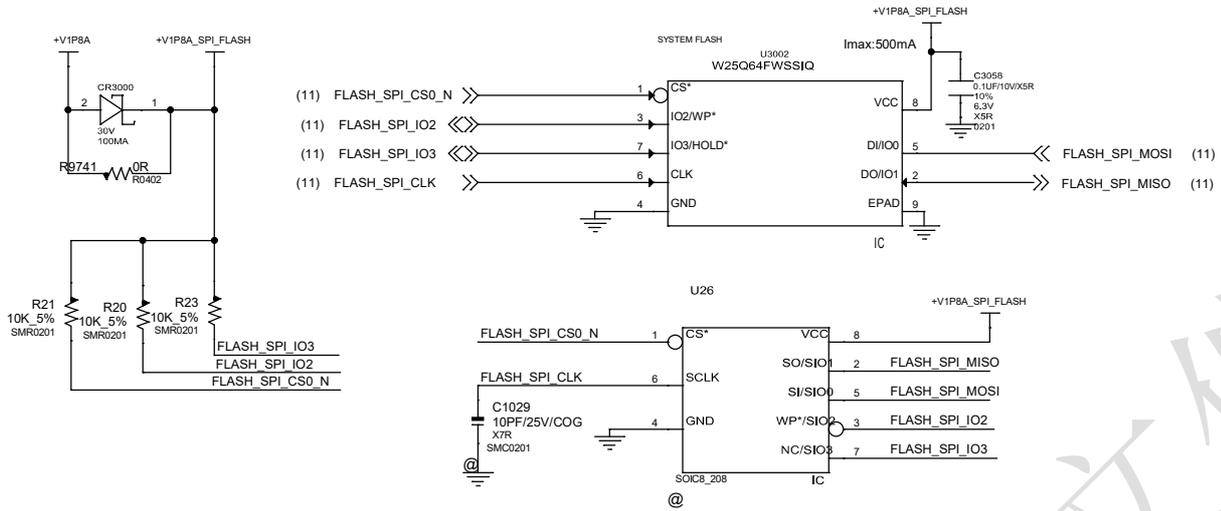
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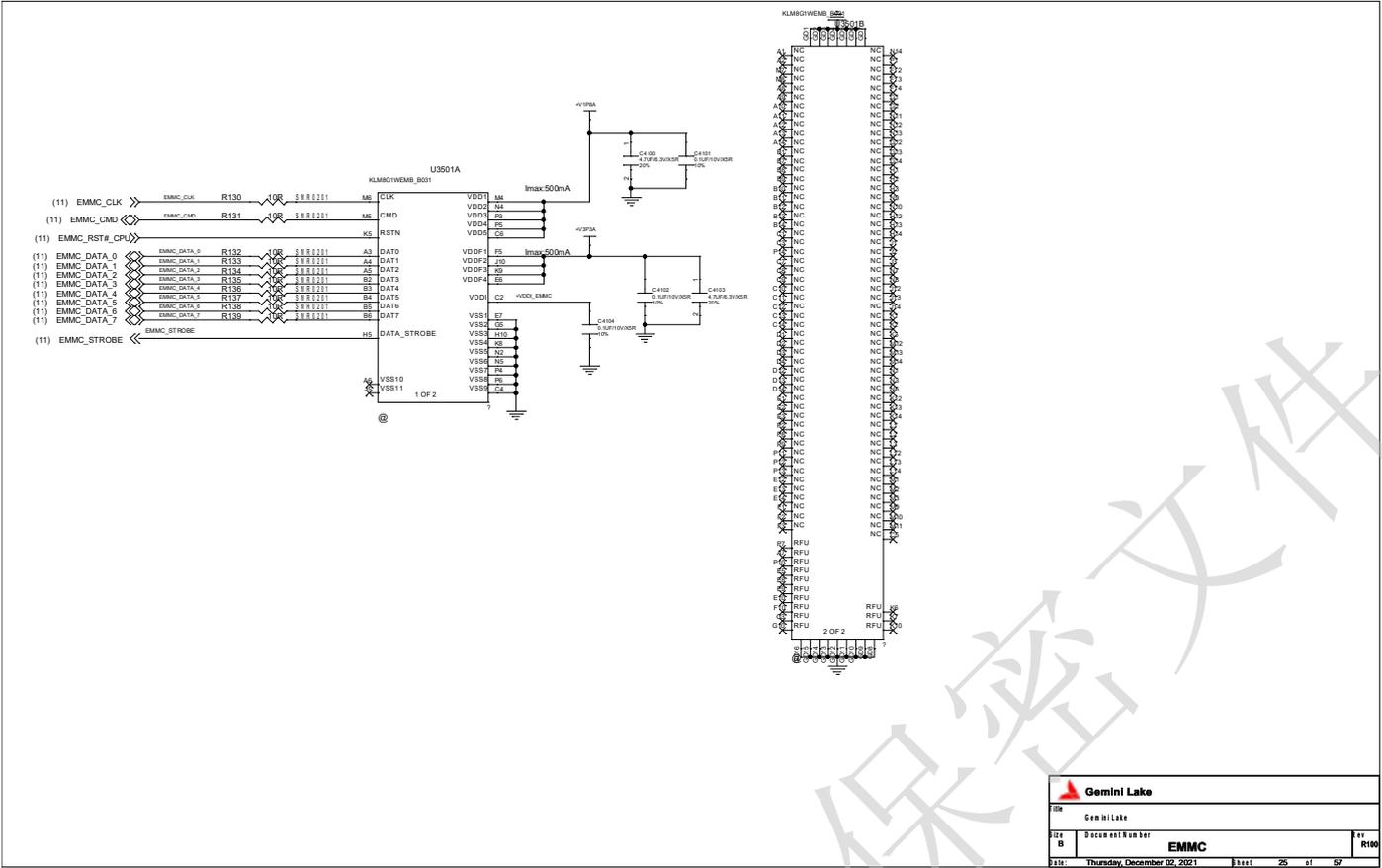


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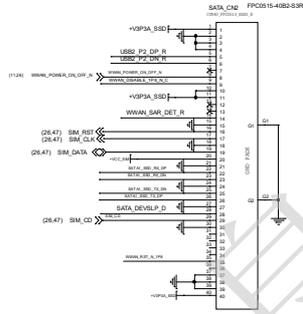
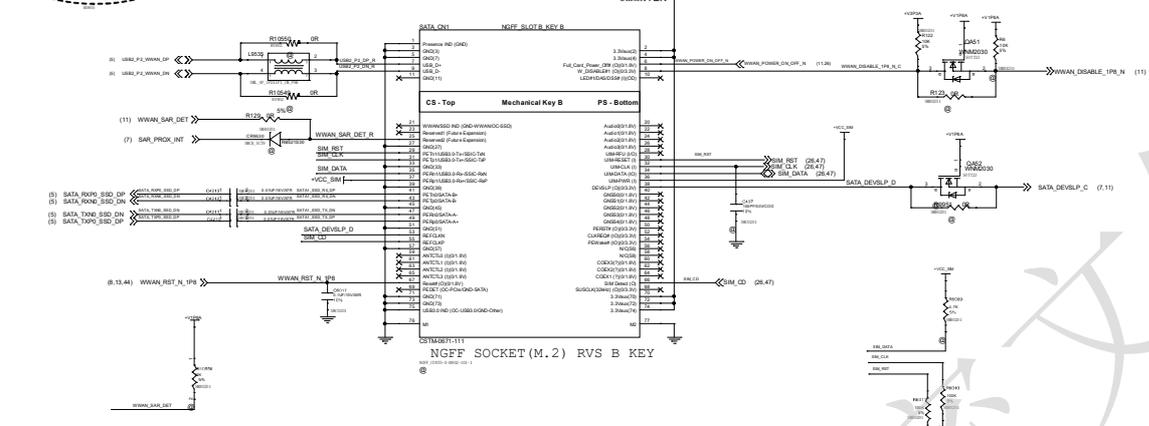
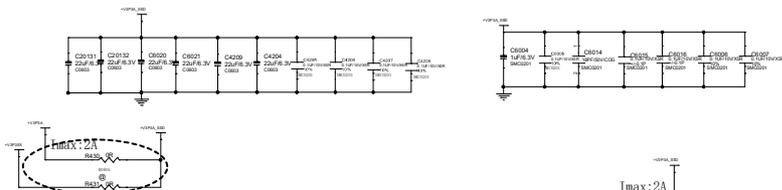
深圳微步信息科技有限公司



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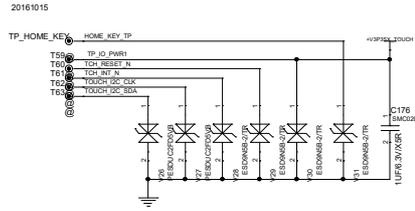
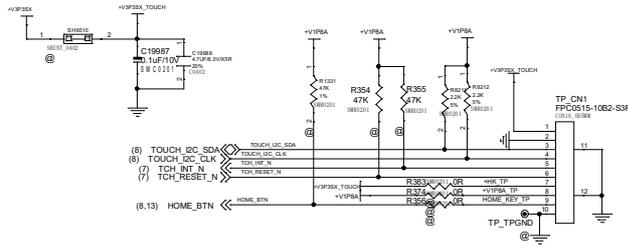


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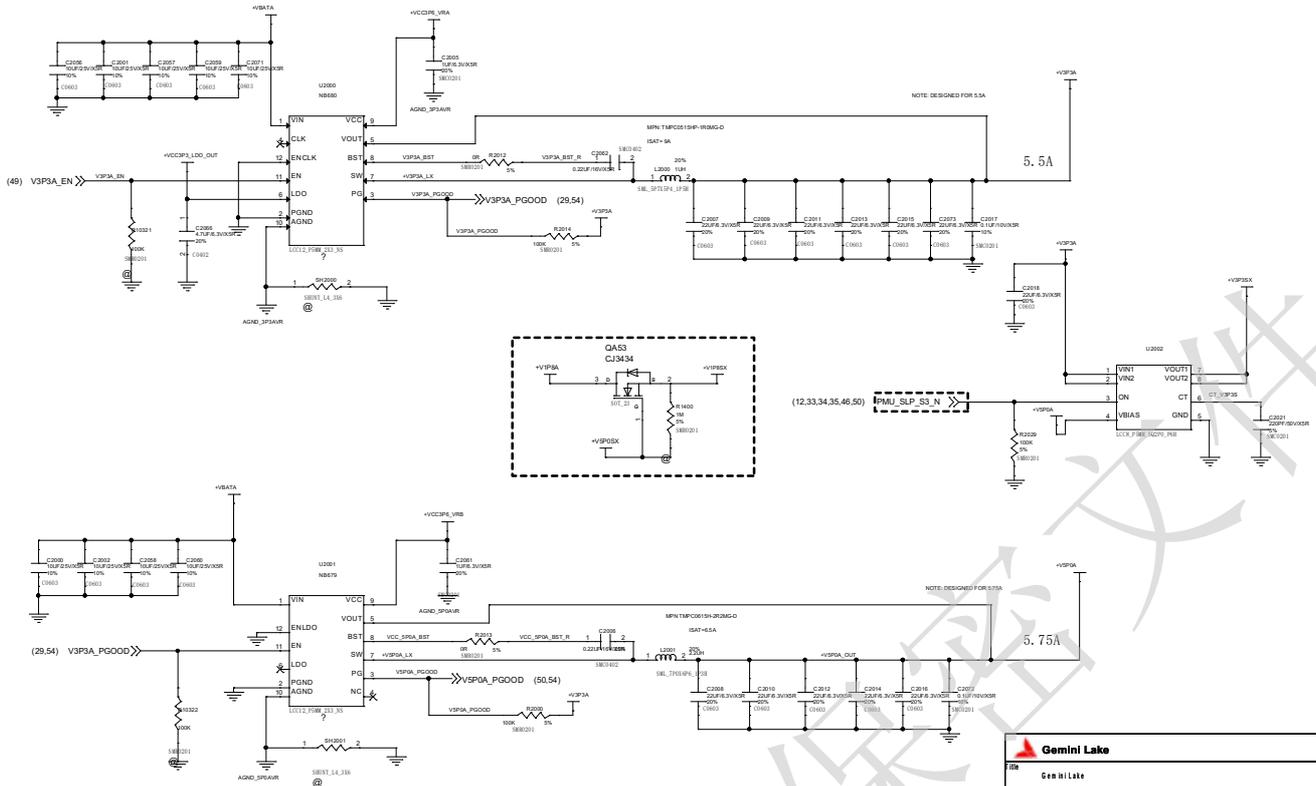
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Gemini Lake	
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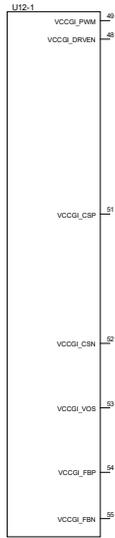
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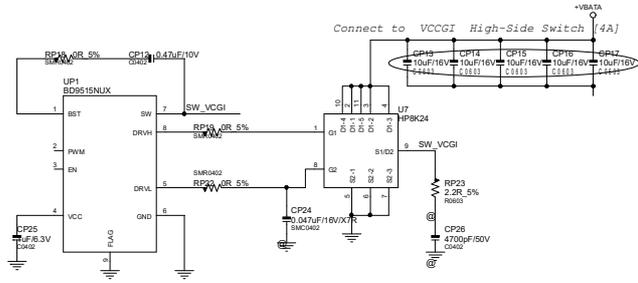
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Date: Thursday, December 02, 2021	Page: 27 of 57



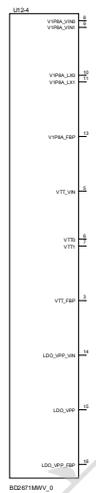
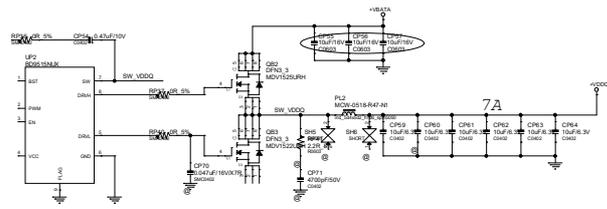
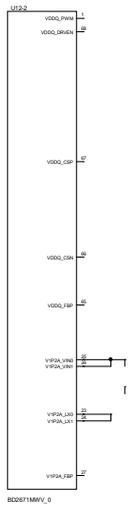




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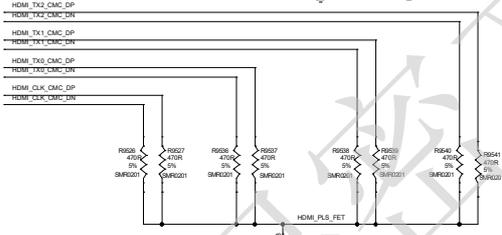
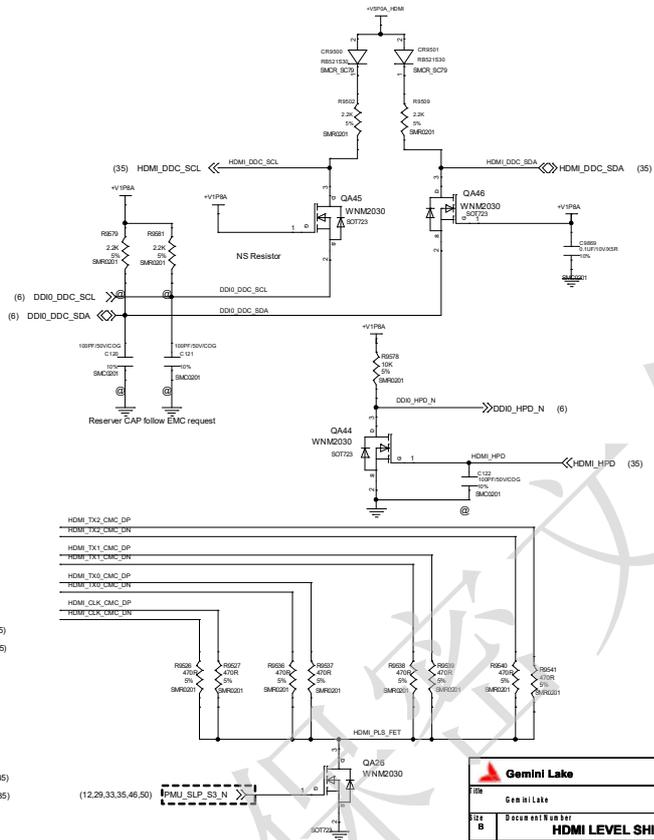
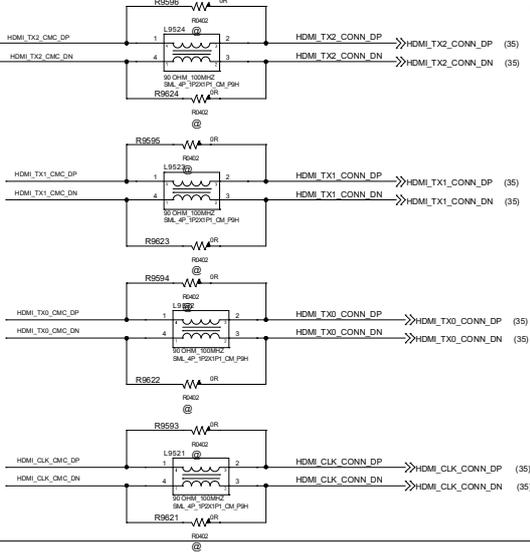
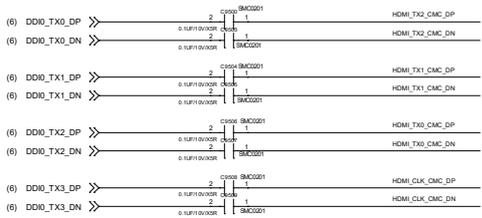
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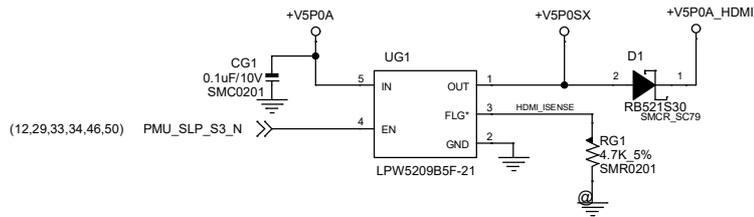
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December 02, 2021		R100
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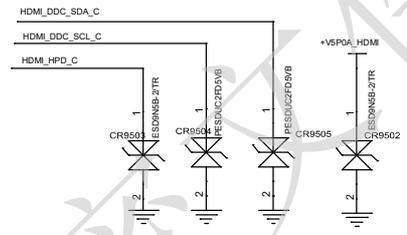
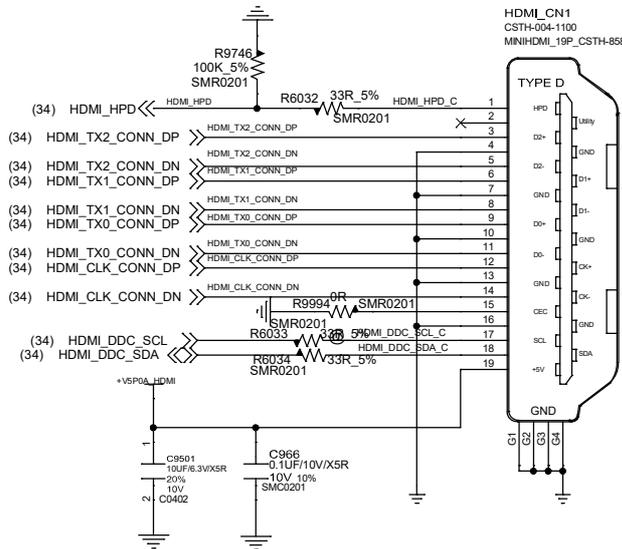


CR9507					
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HDMI_TX2_CONN_DN	4	S3	S13	7	HDMI_TX2_CONN_DN
		S1	S11	8	
HDMI_TX1_CONN_DP	2	GND	GND1	9	HDMI_TX1_CONN_DP
HDMI_TX1_CONN_DN	1	S2	S12	10	HDMI_TX1_CONN_DN

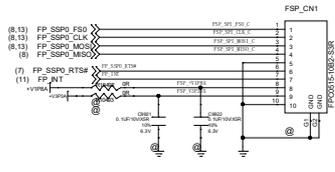
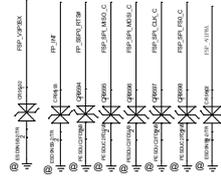
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CR9506					
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HDMI_TX0_CONN_DN	4	S3	S13	7	HDMI_TX0_CONN_DN
		S1	S11	8	
HDMI_CLK_CONN_DP	2	GND	GND1	9	HDMI_CLK_CONN_DP
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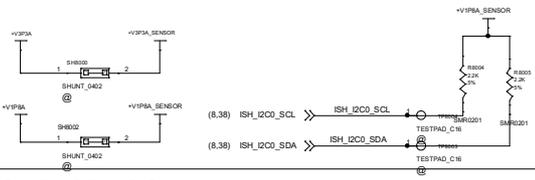


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Size A	Document Number		Rev R100
HDMI CONNECTOR			
Date: Thursday, December 02, 2021	Sheet 35	of 57	

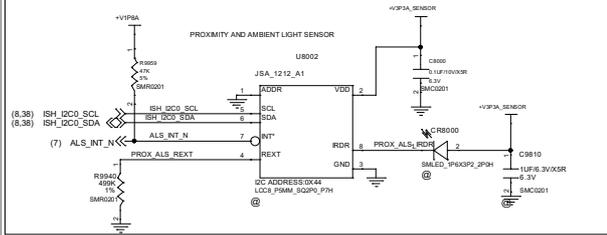


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File Gemini Lake			
Size Custom	Document Number	TOUCH PANEL AND DOCK	
Date	Wednesday, September 29, 2021	Sheet	37 of 67

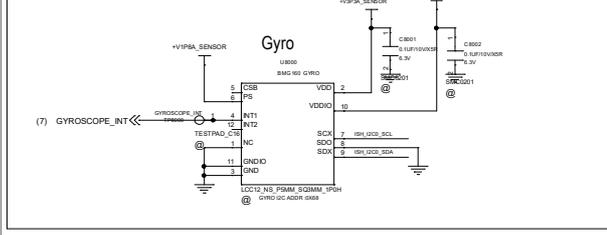
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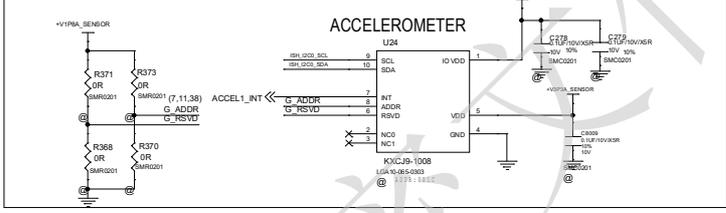
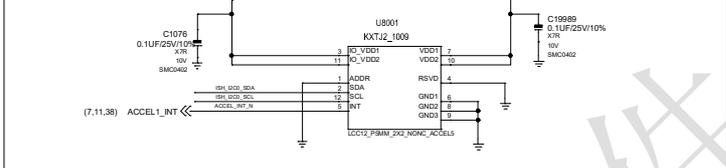
### LIGHT\_SENSOR



### Gyro\_SENSOR



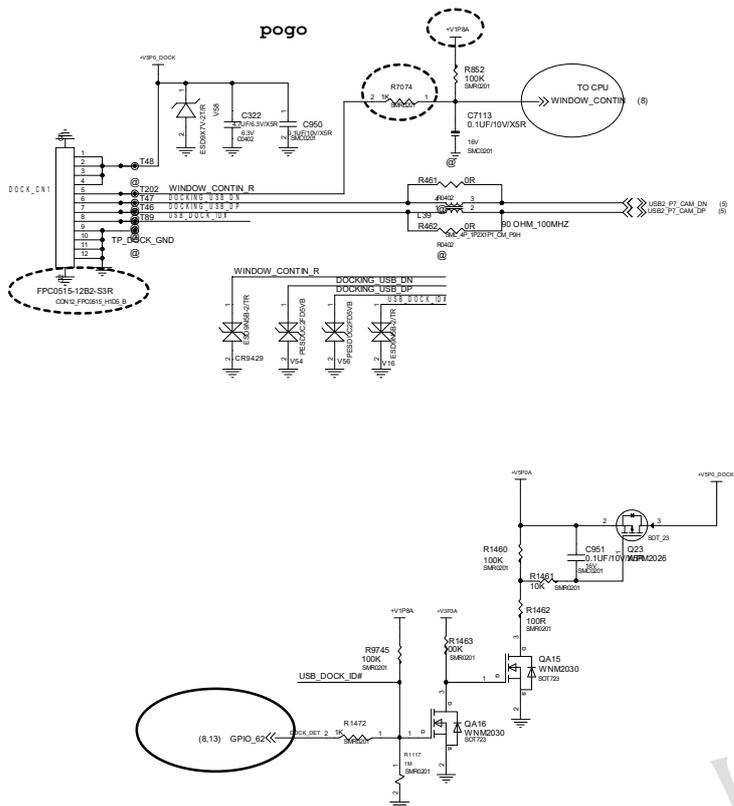
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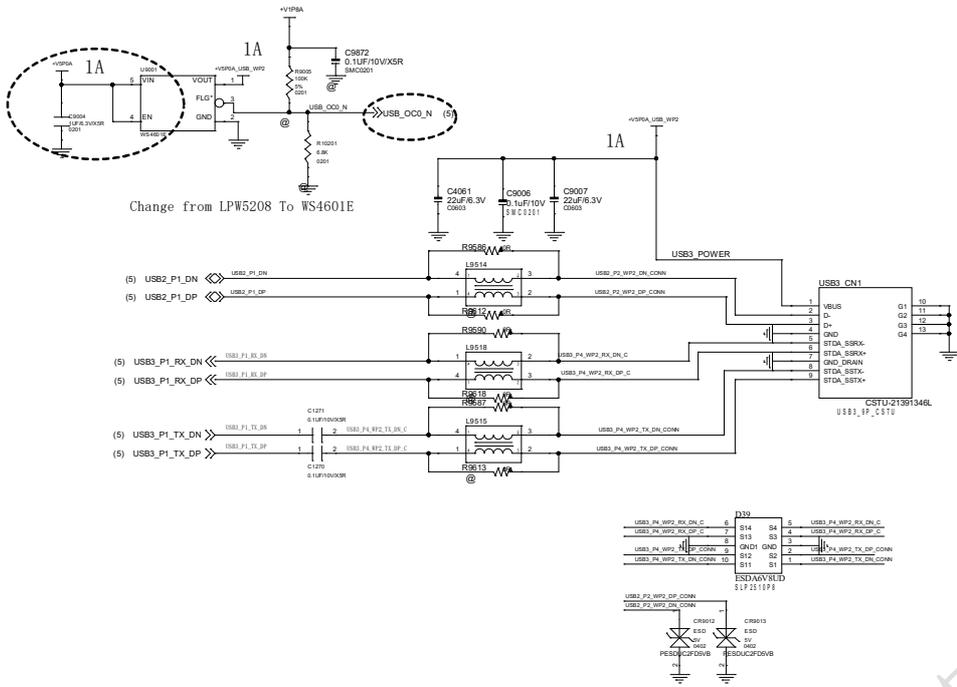
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Rev B	
December 10, 2021	
SENSORS	
11	R100
Thursday, December 10, 2021 3:11:11 PM	

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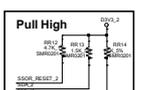
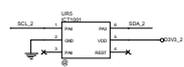
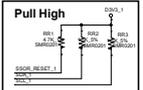
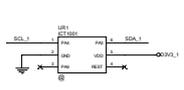




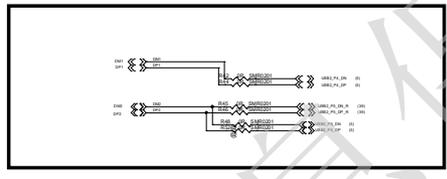
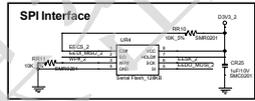
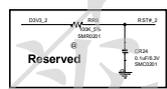
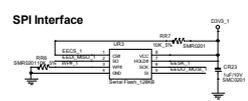
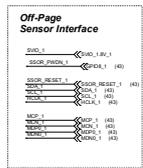
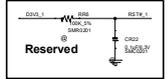
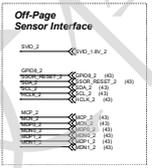
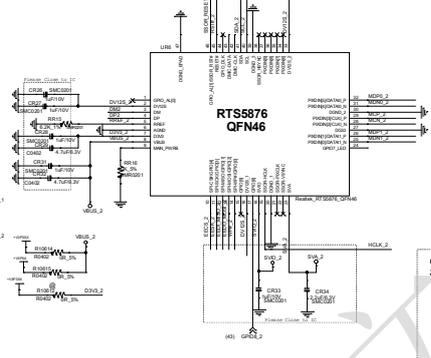
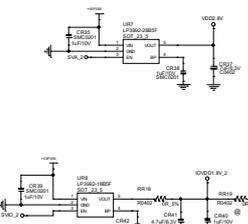
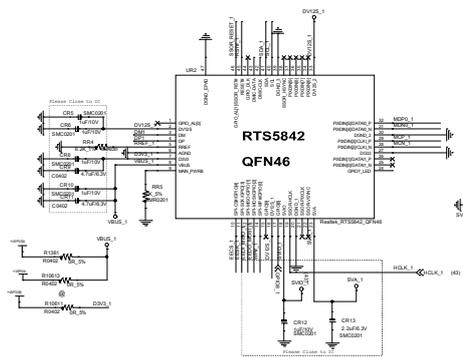
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Date: Thursday, December 02, 2021	Sheet 40 of 57



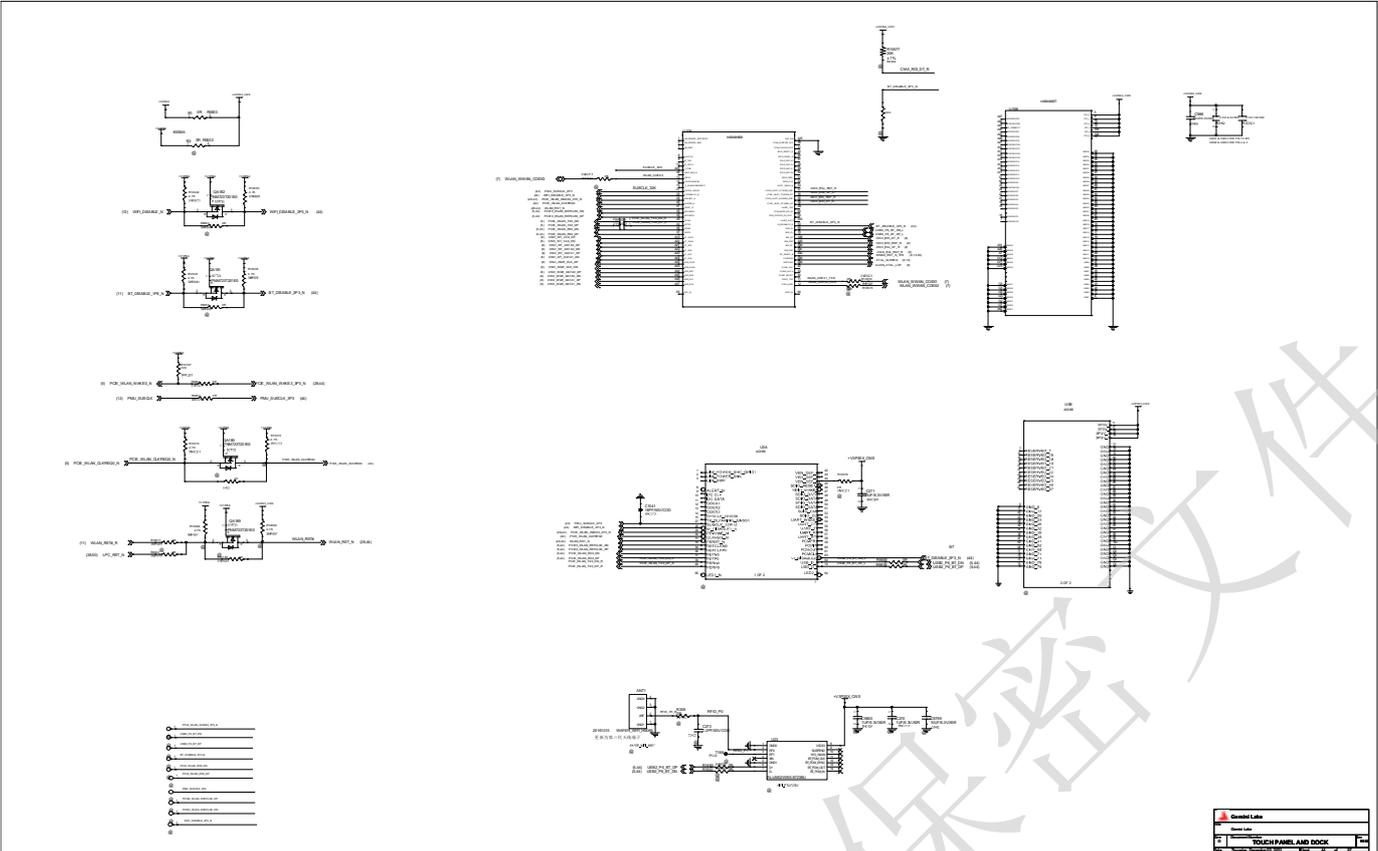
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Size: B	Document Title: USB3.0 CONN
Date: Thursday, December 02, 2021	Page: 42 of 57



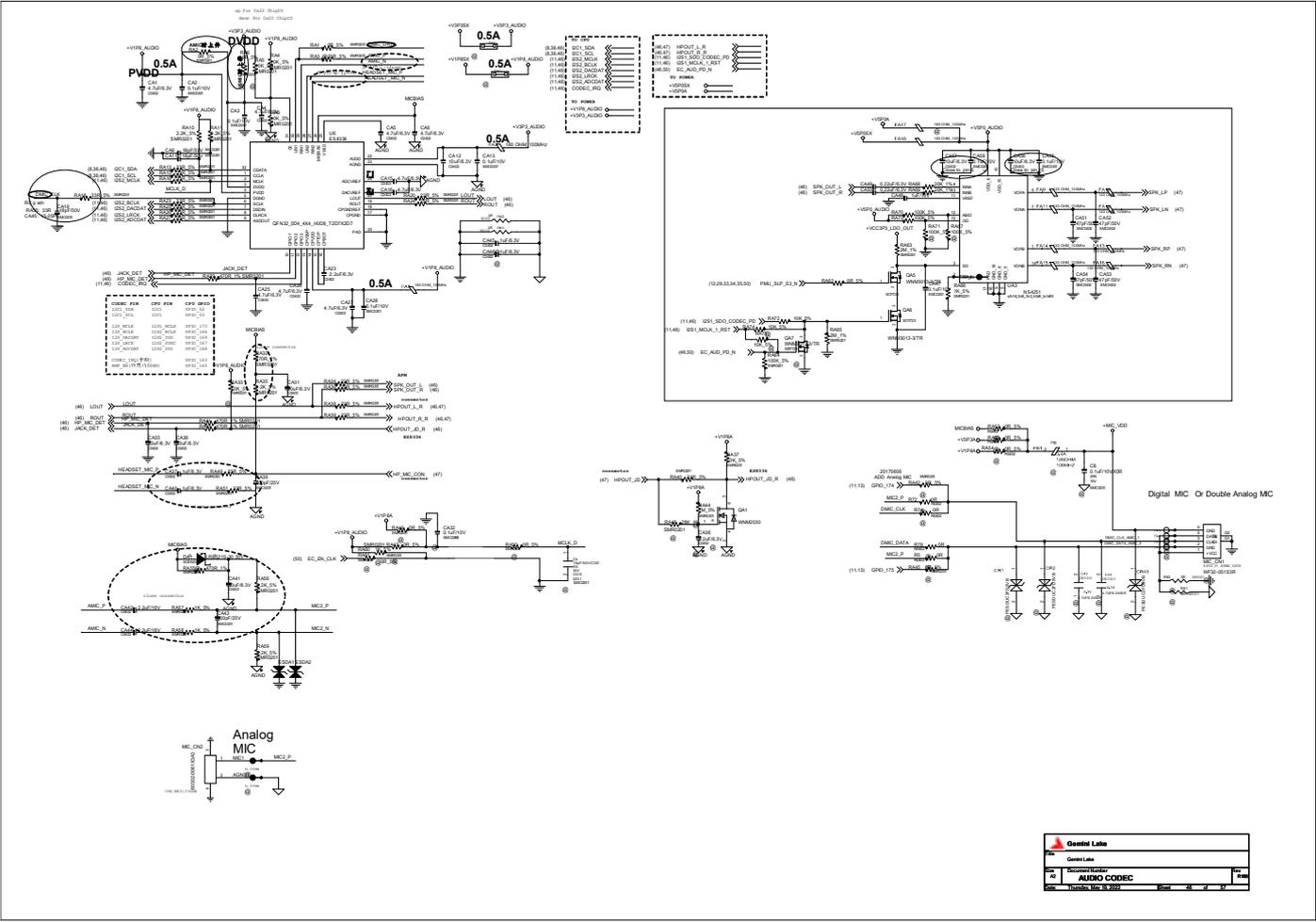
Power 1.8V & 2.8V

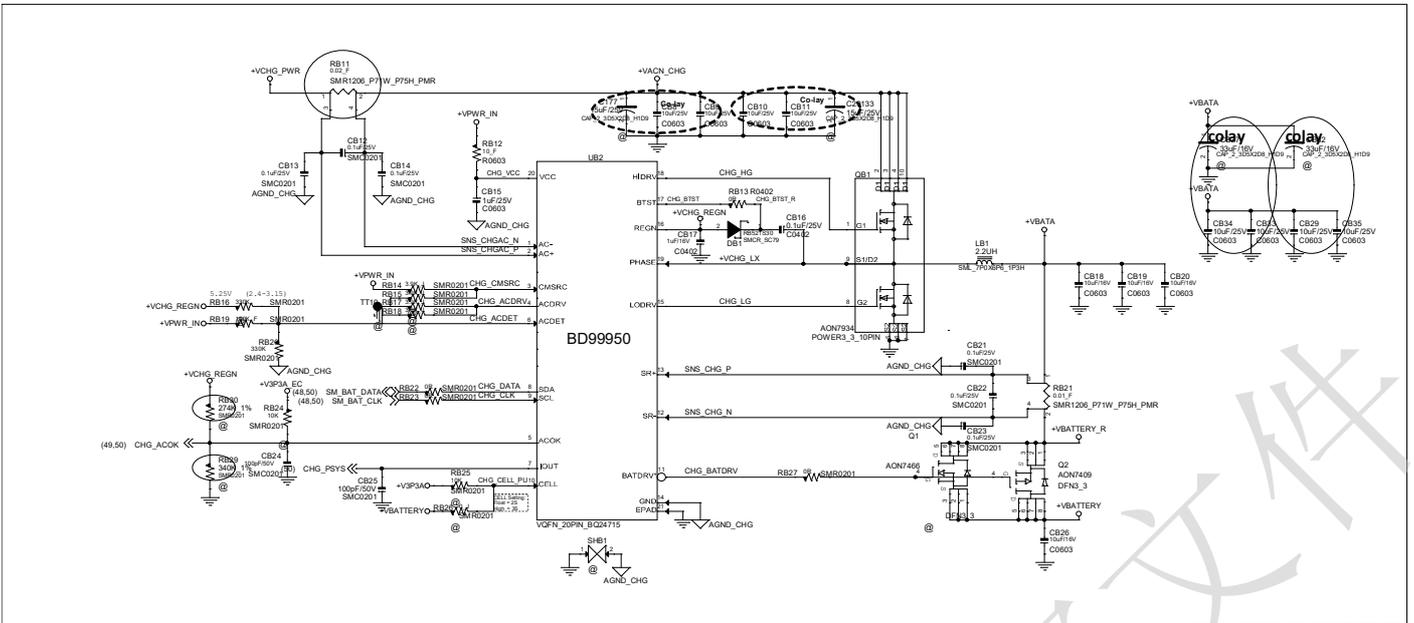


Control Logic	
Pin	Control Logic
15	WLAN WPI BT MODULE
16	WLAN WPI BT MODULE

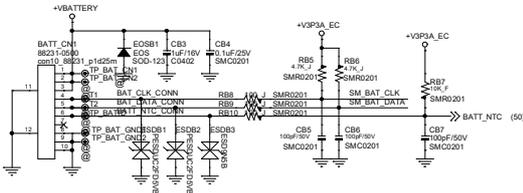


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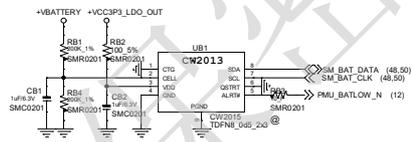




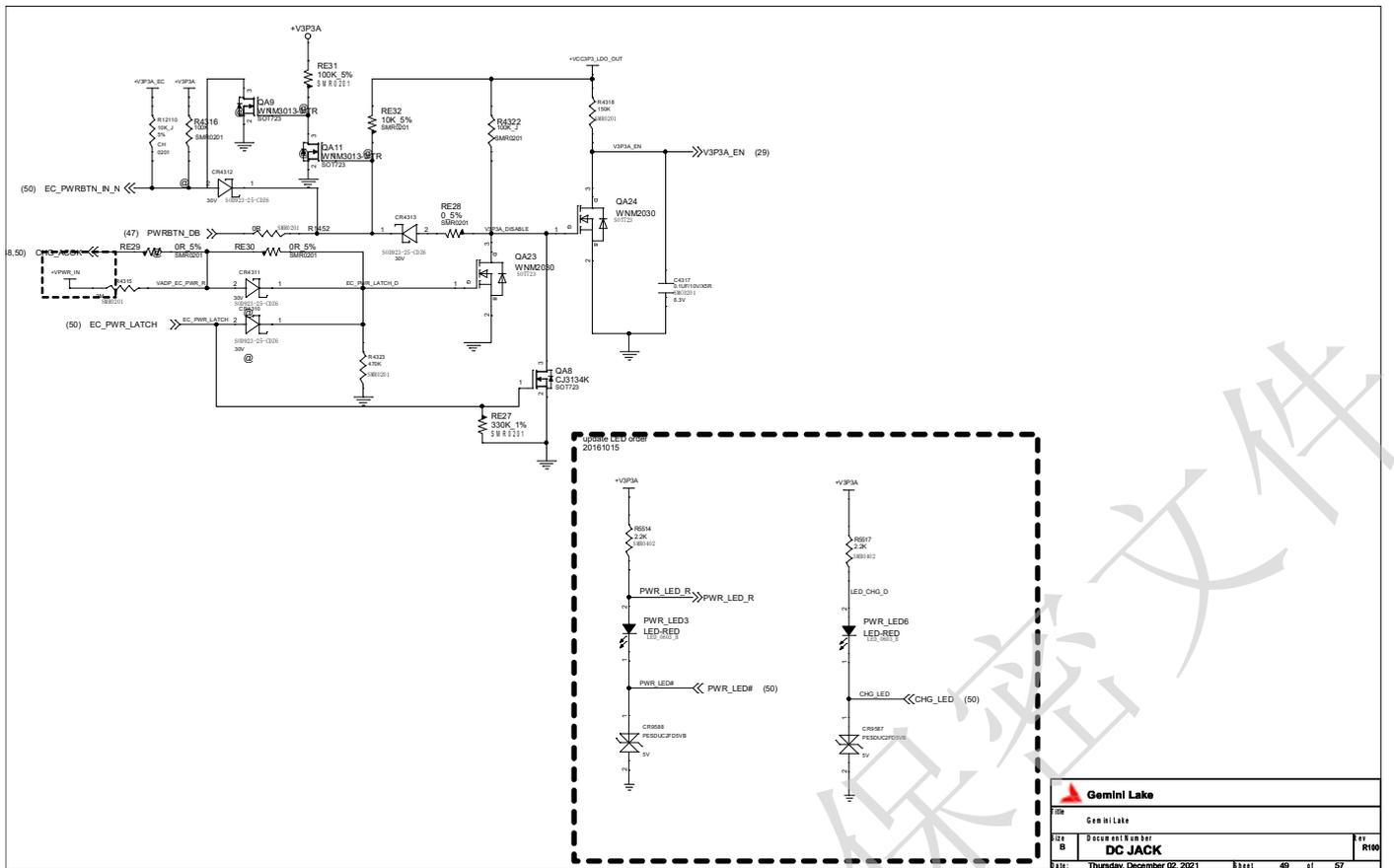
**BATTERY**



**GAS Gauge**



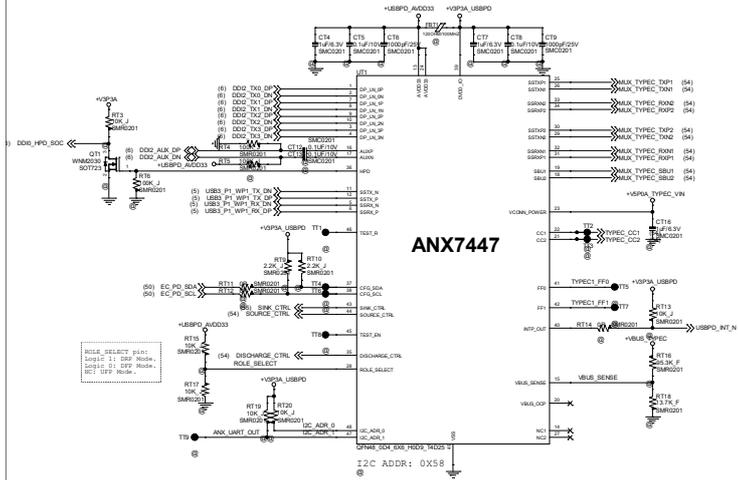
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Size	Document Number	Rev
A3	<b>BATTERY CHARGER</b>	R100
Date:	Thursday, December 02, 2021	Sheet 48 of 57



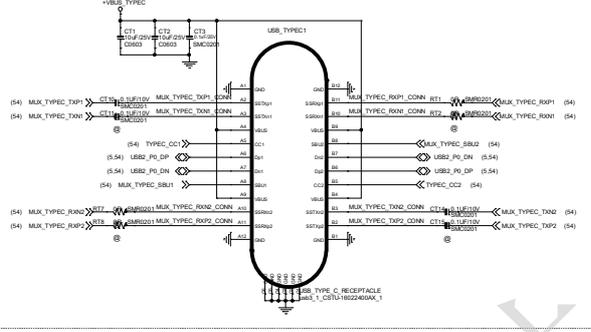
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File: Gemini Lake	
Sheet: B	Sheet: 49 of 57
Description: DC-JACK	
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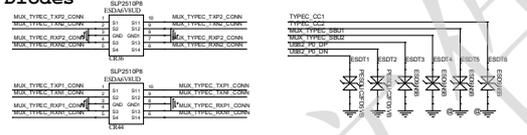
**PD Controller**



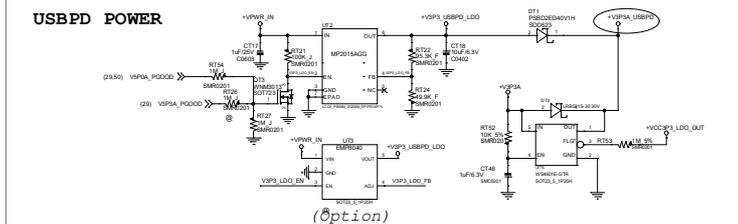
**TYPE C CONN**



**ESD Diodes**

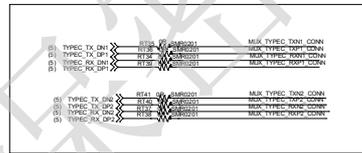


**USBPD POWER**

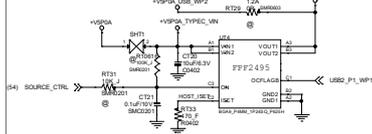


**CC/SBU OVP**  
(Option)

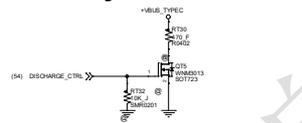
From UT1



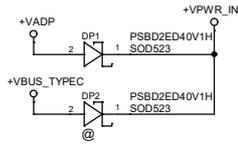
**VBUS Control**



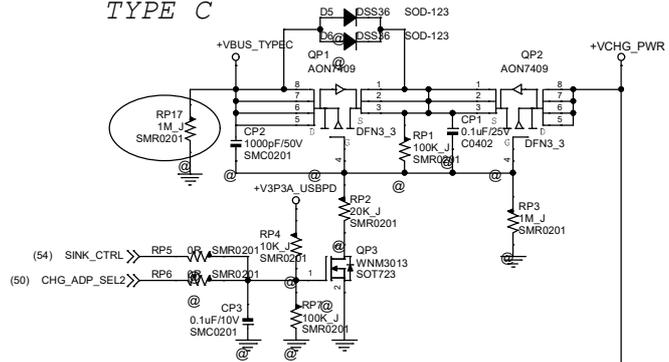
**VBUS Discharge**



# POWER PATH



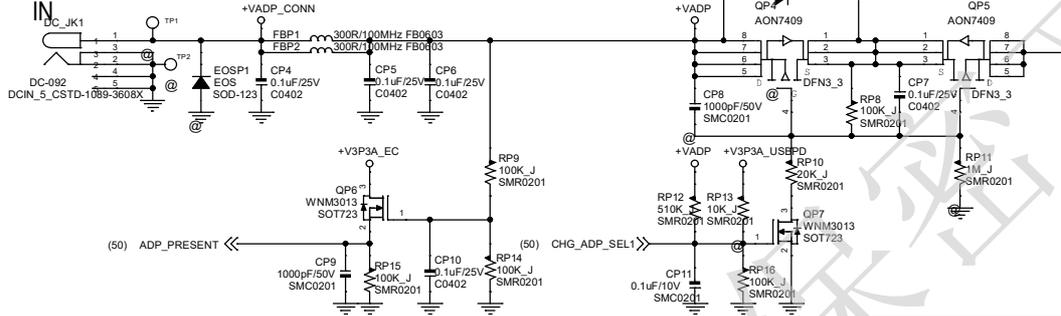
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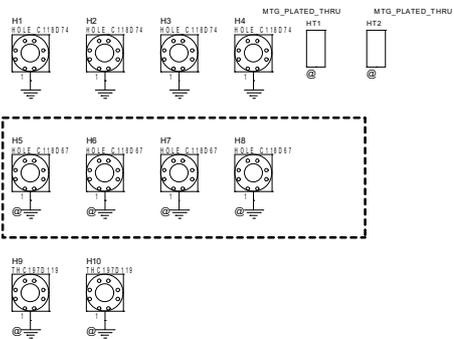
## DC JACK

12V DC

IN



 <b>Gemini Lake</b>		
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Size B	Document Number	41 R100	
FACTORY TEST POINTS			
Date	Thursday, December 02, 2021	Sheet	57 of 57