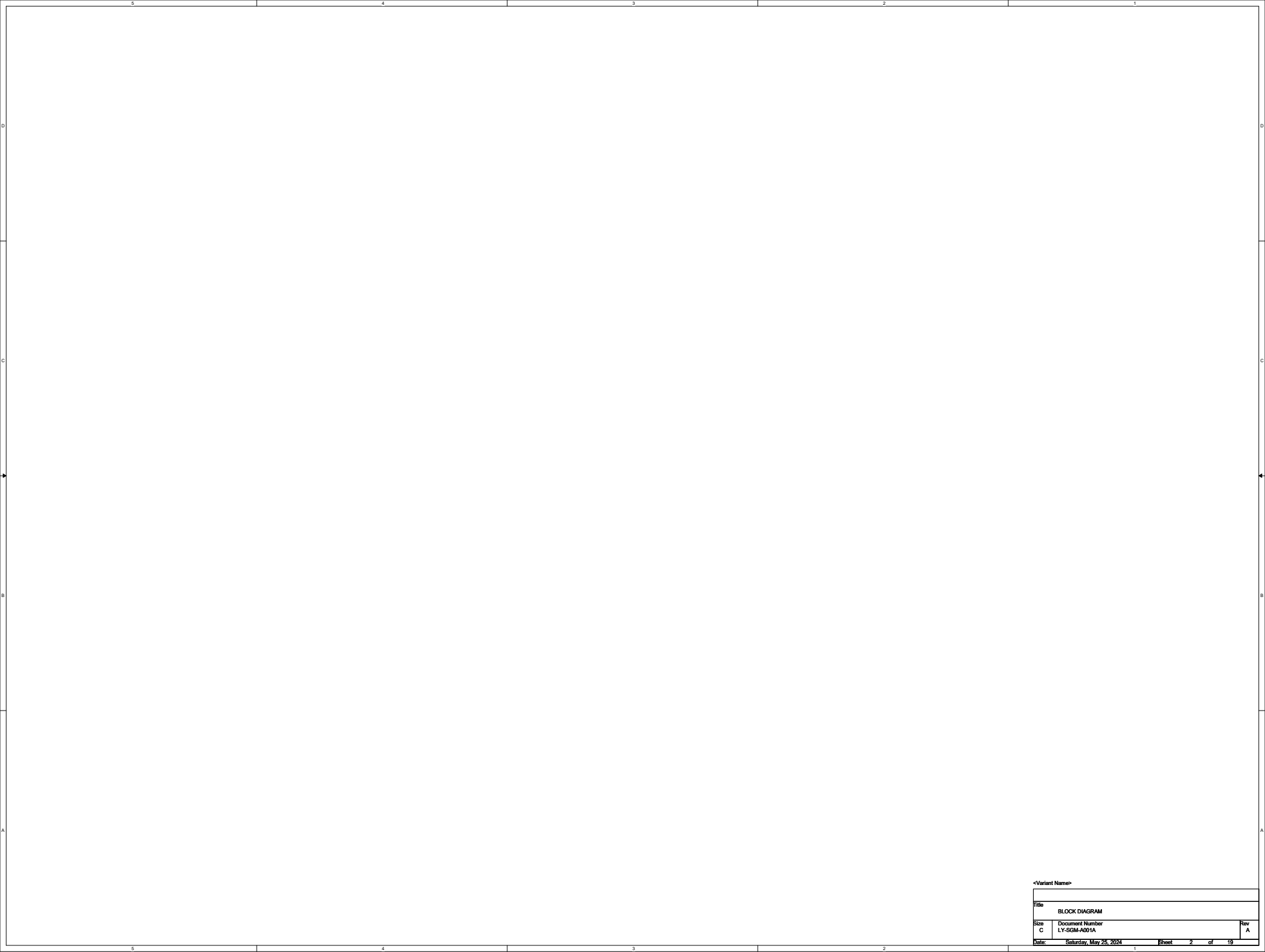


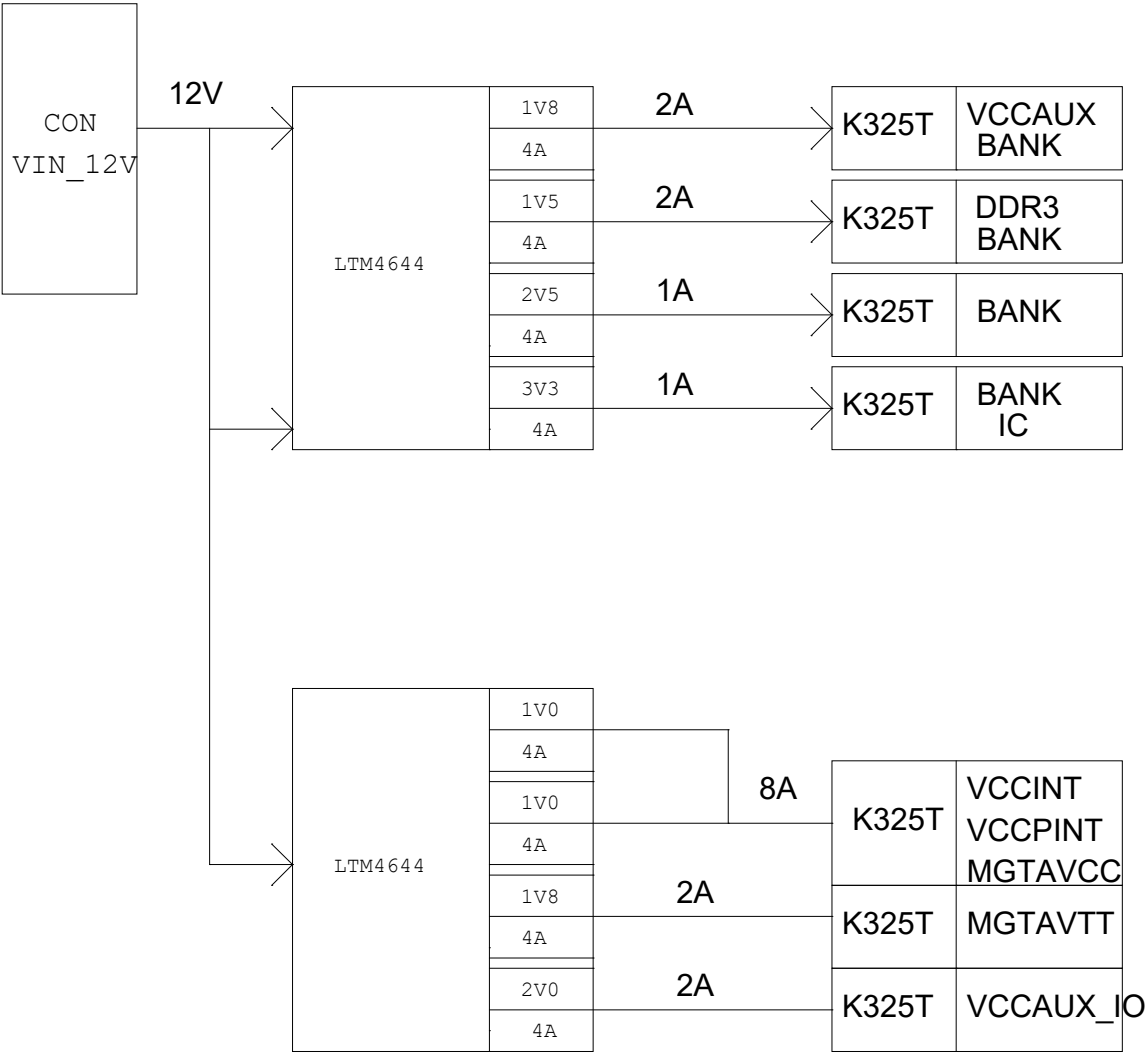
LY-CAM-G005A

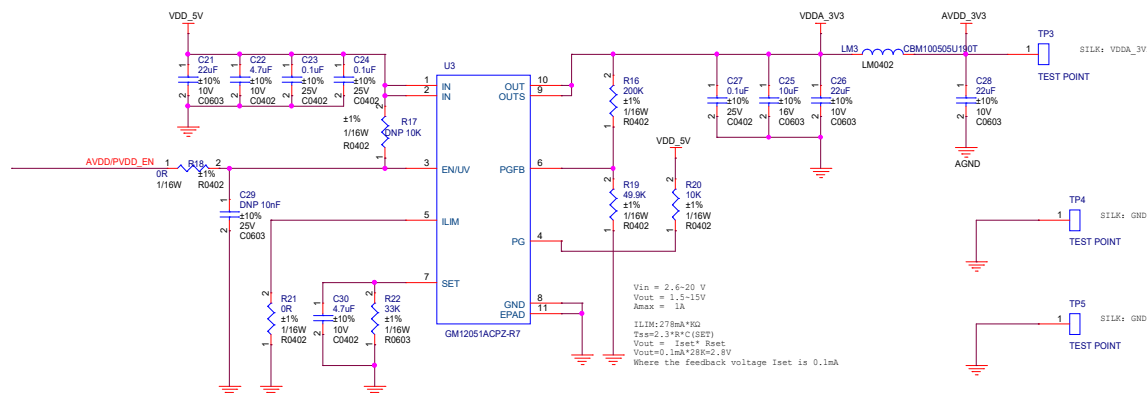
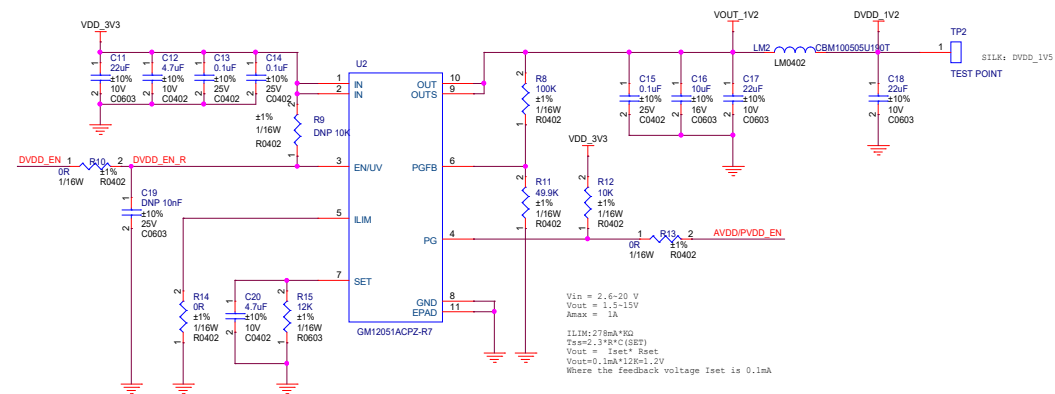
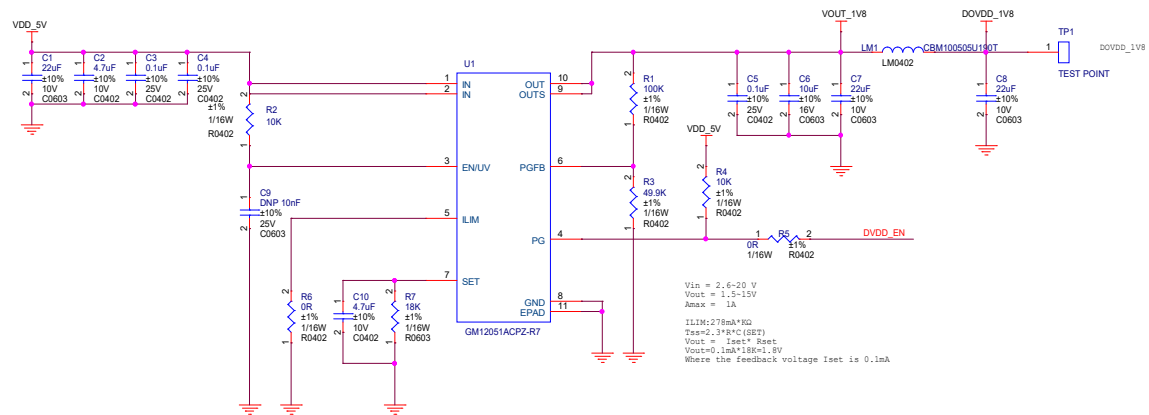
Modification records

	Version	Date	Modification	Name	Check
1	VER A	2023/04/28	New	许辉	



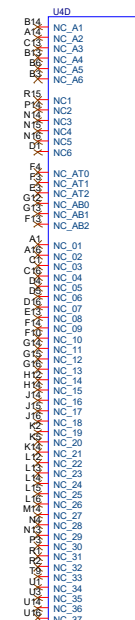
<Variant Name>			
Title			
BLOCK DIAGRAM			
Size	Document Number		Rev
C	LY-SGM-A001A		A
Date	Saturday, May 25, 2024	Sheet	2 of 19



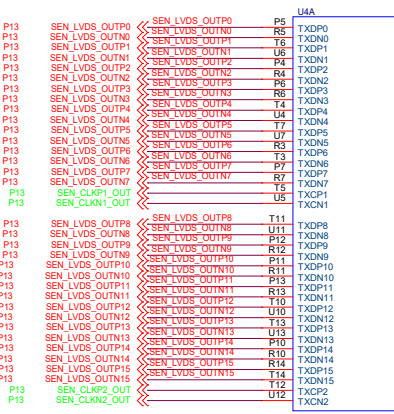
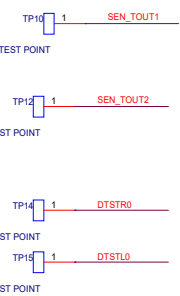
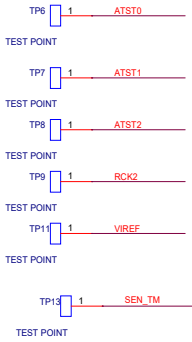
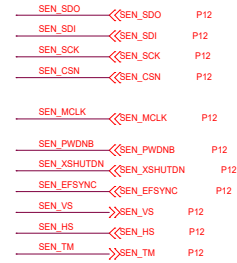
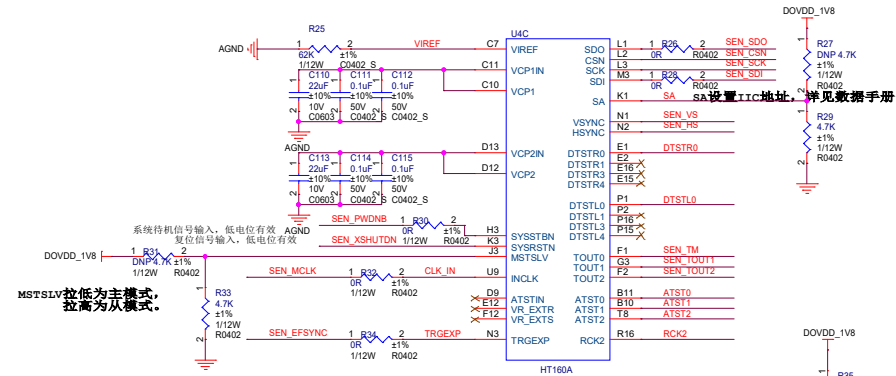


POWER ON : VDD_5V0 --> VDDIO_1V8 --> DVDD_1V2-->AVDD_3V3

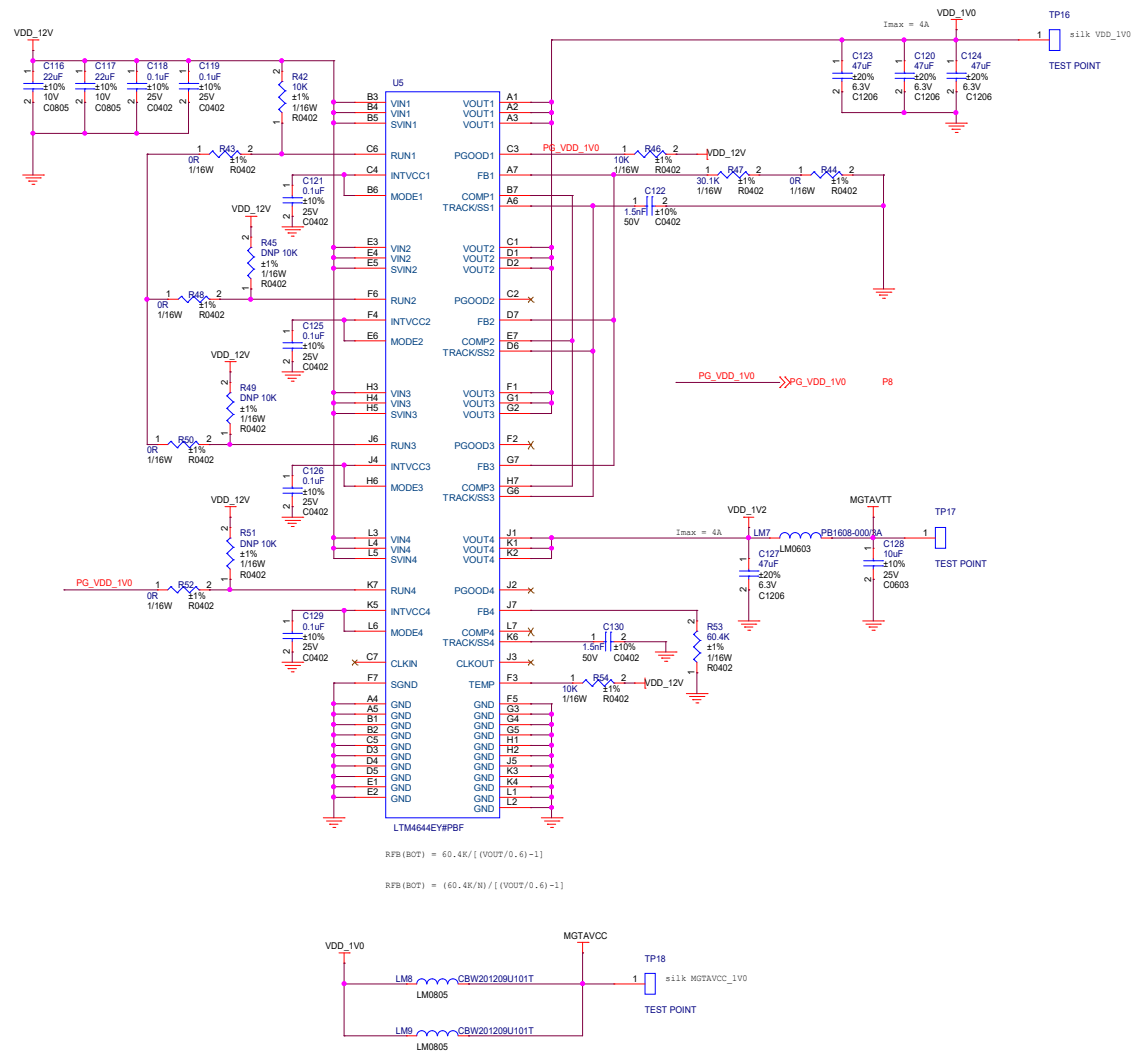
Title			
MAIN PWR			
Size	Document Number		Rev
C	LY-SEN-A001A		A
Date:	Saturday, May 25, 2024	Sheet	4 of 19

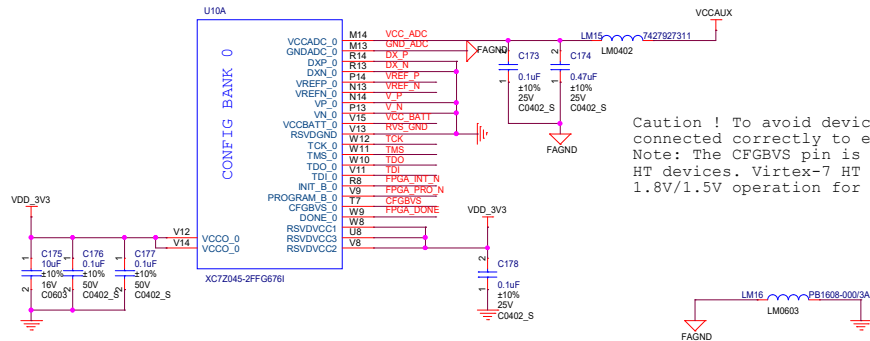


Title			
SENSOR			
Size	Document Number	Rev	
C	LY-SEN-A001A	A	
Date:	Saturday, May 25, 2024	Sheet	5 of 19

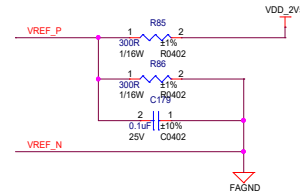
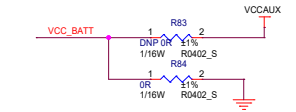


<Variant Name>			
Title			
CONNECTOR			
Size	Document Number		Rev
C	LY-SEN-A001A		A
Date:	Saturday, May 25, 2024	Sheet	6 of 19

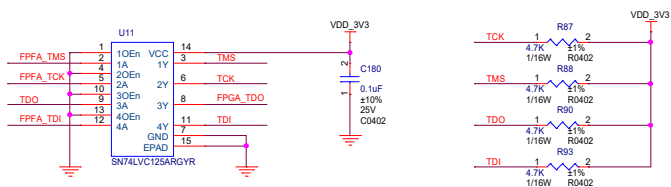




Caution ! To avoid device damage, CFGBVS must be connected correctly to either VCC0_0 or GND.
Note: The CFGBVS pin is not available on Virtex-7 HT devices. Virtex-7 HT devices support only 1.8V/1.5V operation for bank 0.

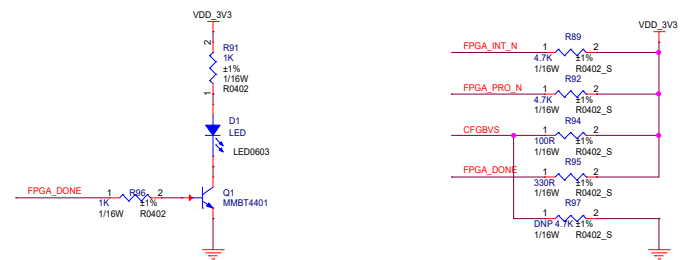


FPGA JTAG

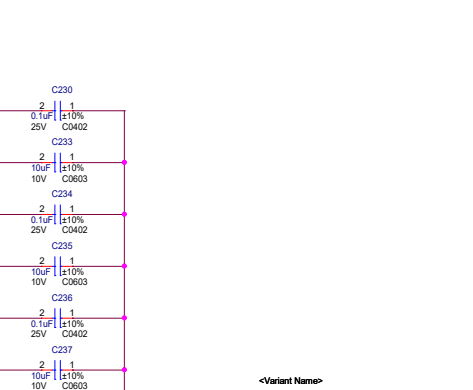
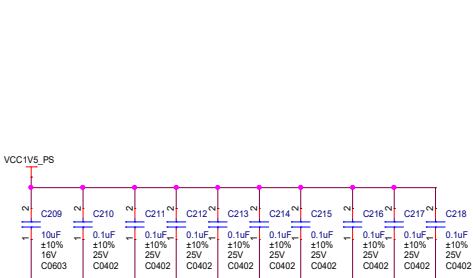
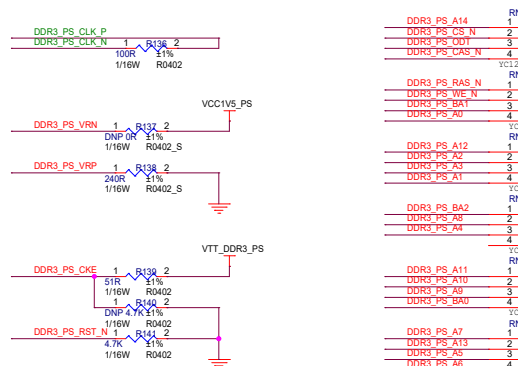
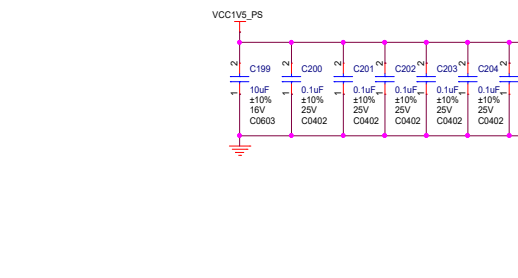
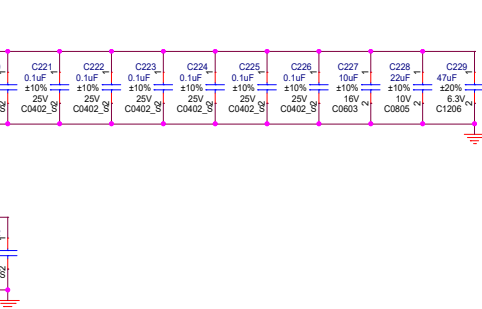


FPFA_TMS <<FPFA_TMS P19
FPFA_TCK <<FPFA_TCK P19
FPFA_TDO >>FPFA_TDO P19
FPFA_TDI <<FPFA_TDI P19

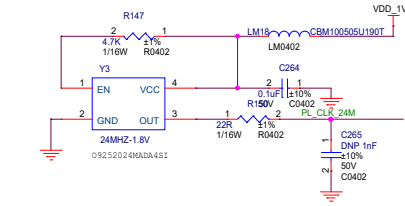
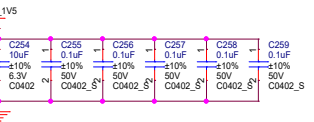
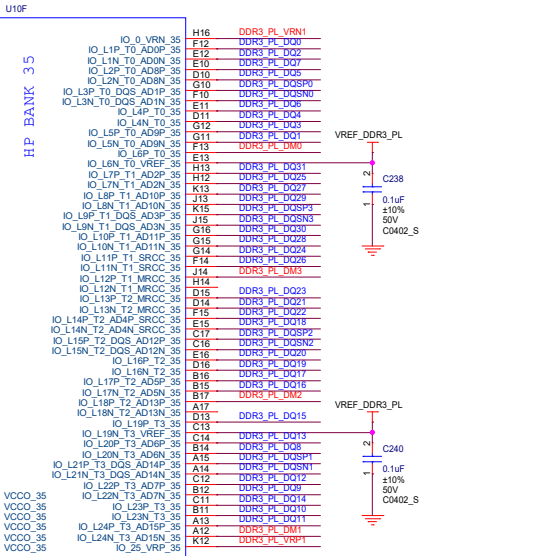
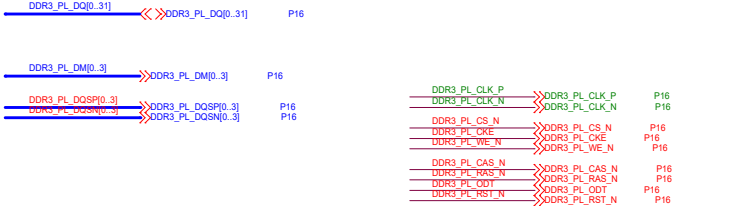
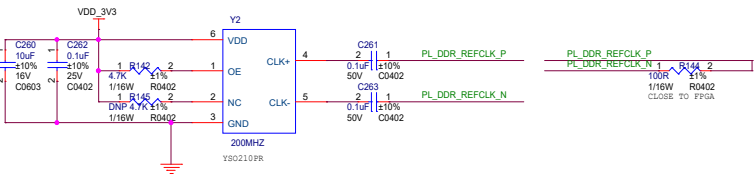
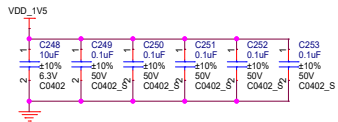
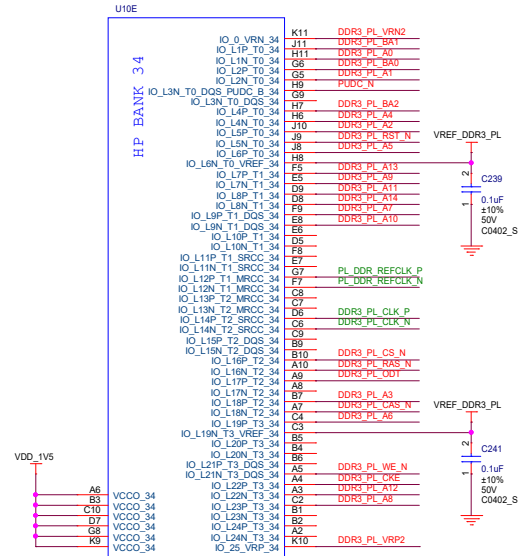
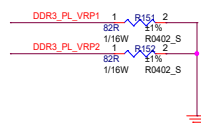
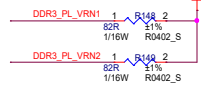
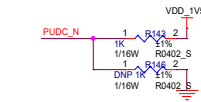
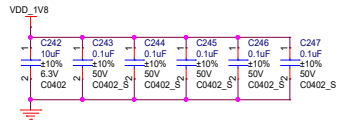
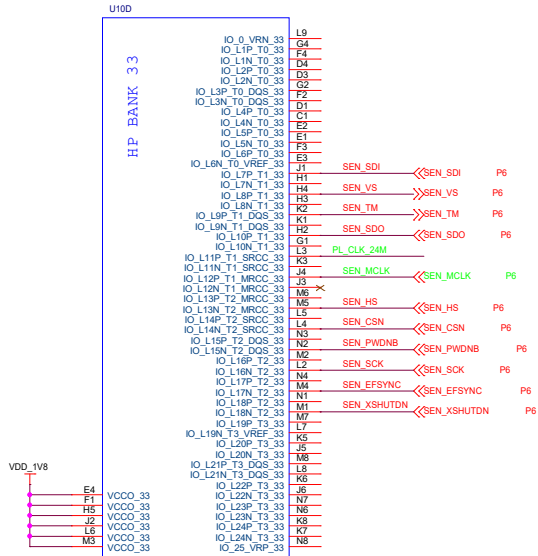
FPGA CONFIG



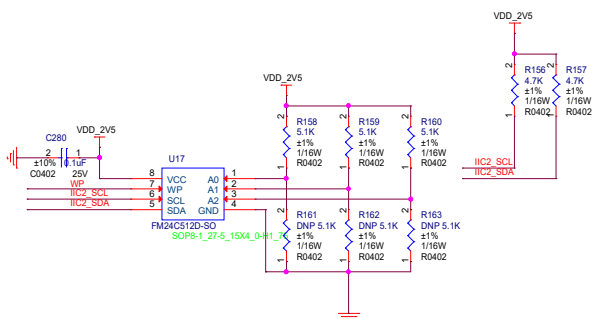
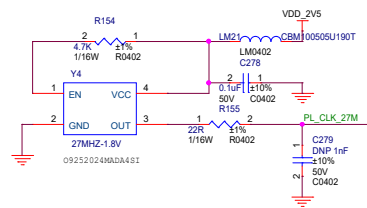
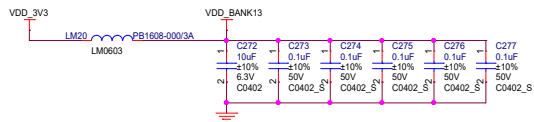
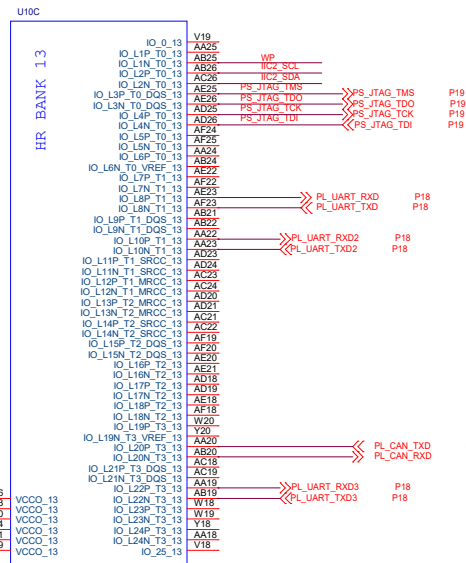
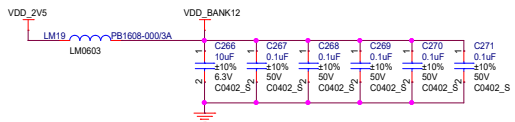
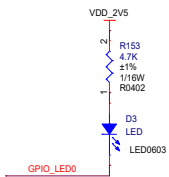
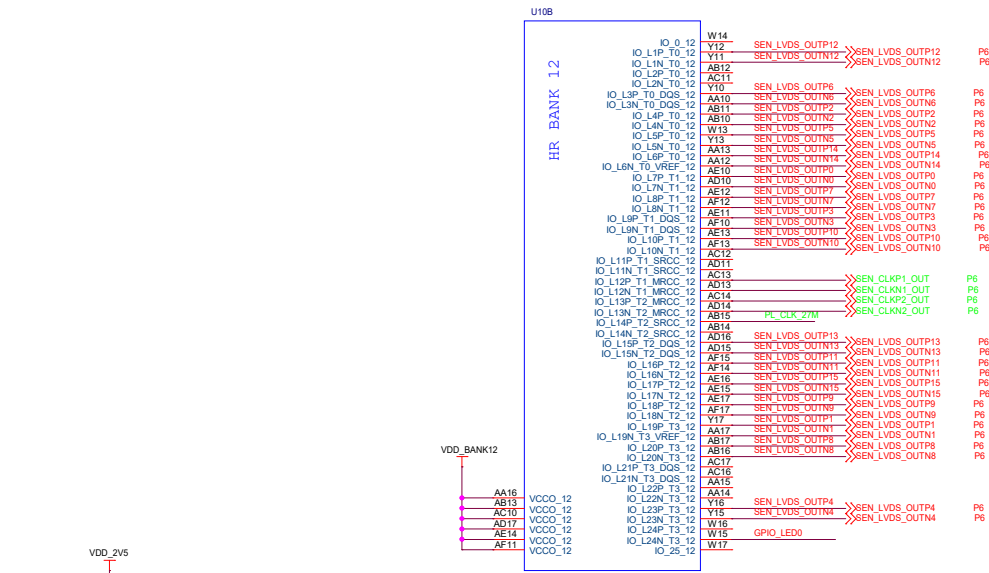
<Variant Name>		
Title	7Z035_BANK0	
Size	Document Number	Rev
C	LY-SGM-A001A	A
Date:	Saturday, May 25, 2024	Sheet 8 of 19

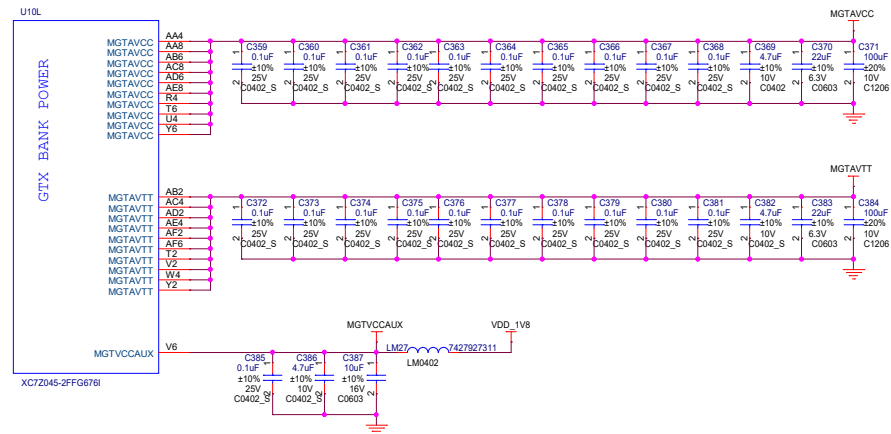
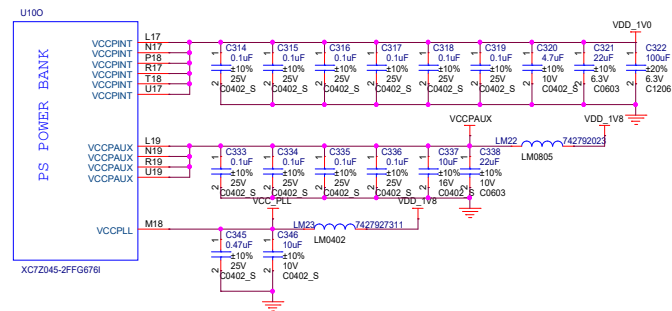
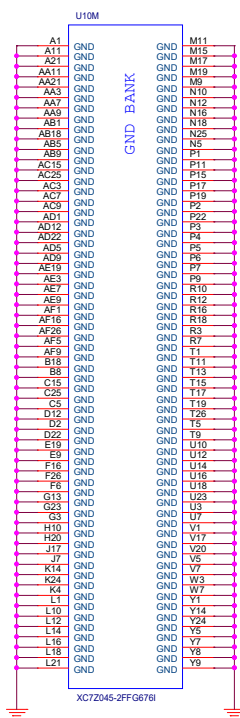
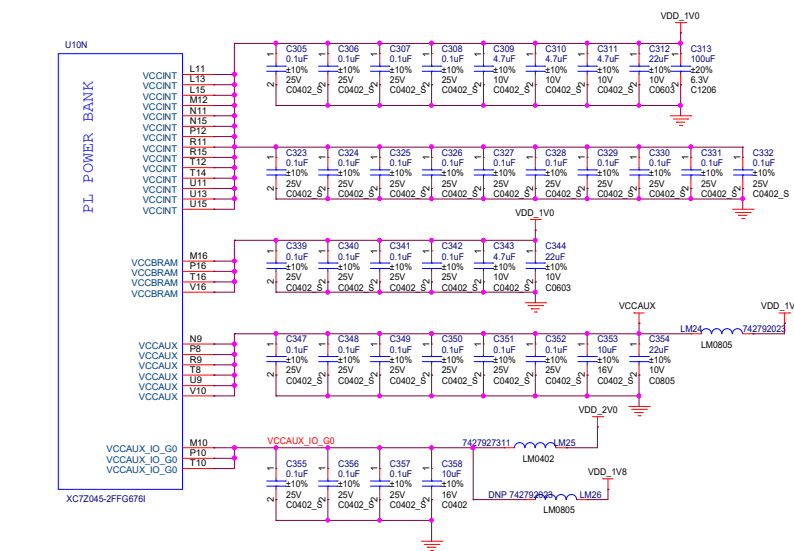


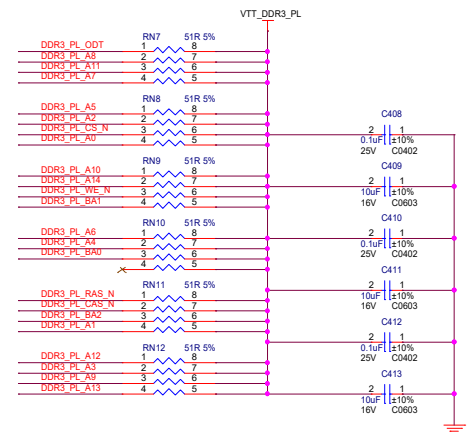
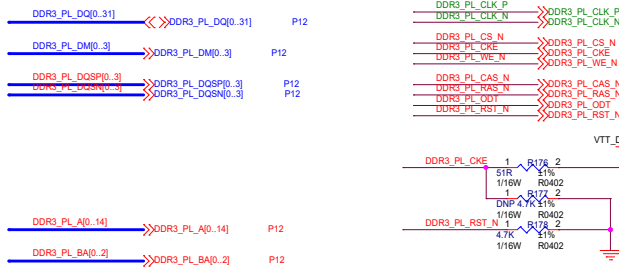
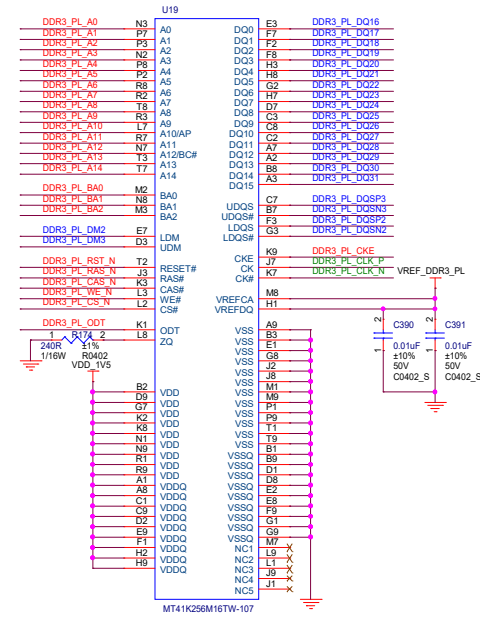
<div><Variant Name></div>				
<div>Title</div> <div>7Z035_PS_DDR3</div>				
<div>Size</div> <div>C</div>	<div>Document Number</div> <div>LY-SGM-A001A</div>			<div>Rev</div> <div>A</div>
<div>Date:</div> <div>Saturday, May 25, 2024</div>		<div>Sheet</div> <div>11</div>	<div>of</div> <div>19</div>	



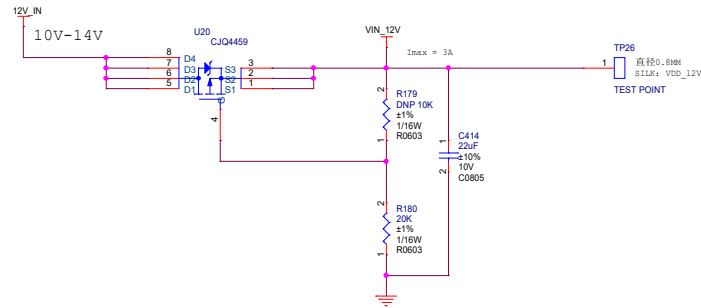
<Variant Name>			
File	7Z035_HP BANK		
Size	Document Number		Rev A
C	LY-SGM-A001A		
Date	Saturday, May 25, 2024	Sheet	12 of 19



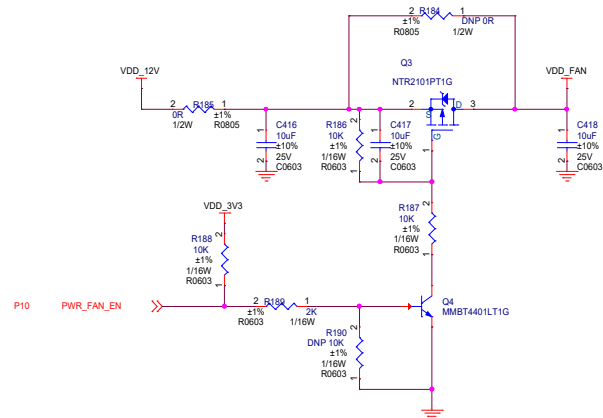
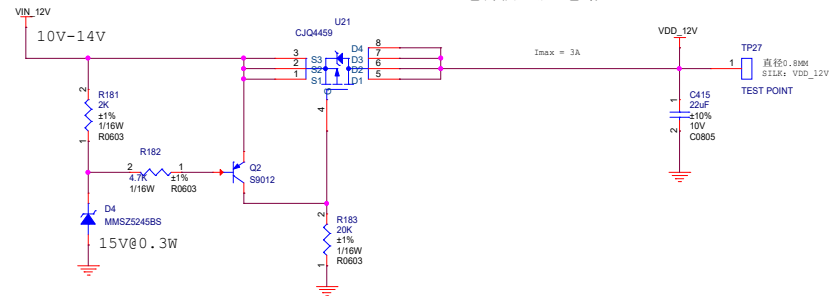




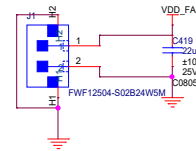
电源防反接电路



电源防过压电路

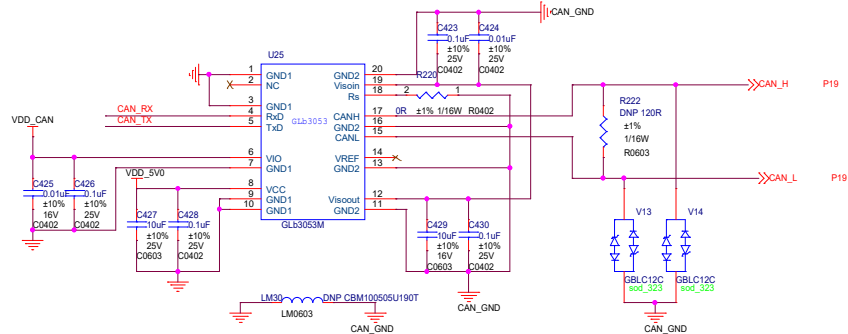
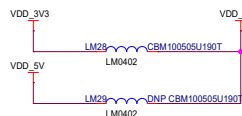
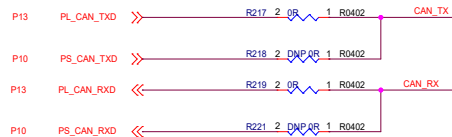
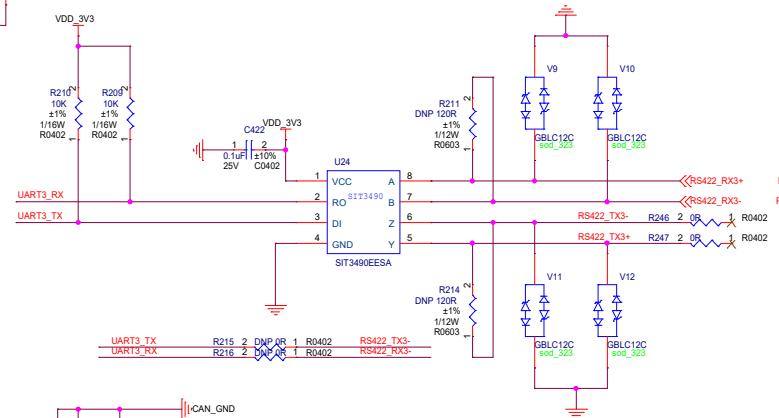
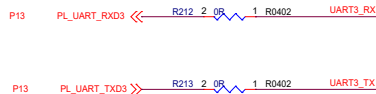
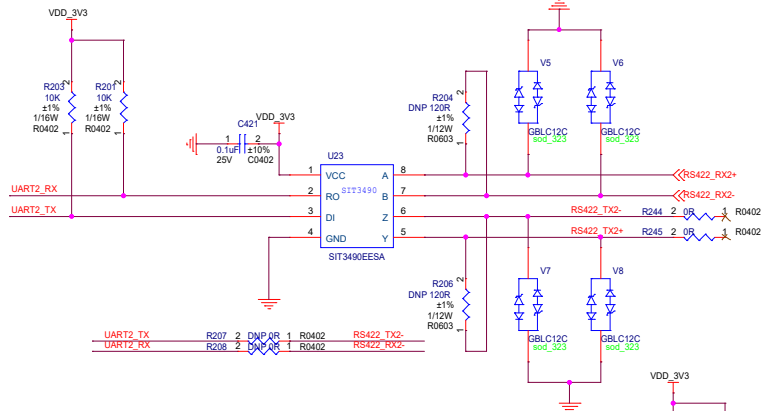
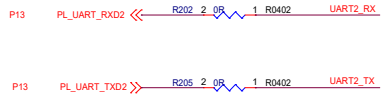
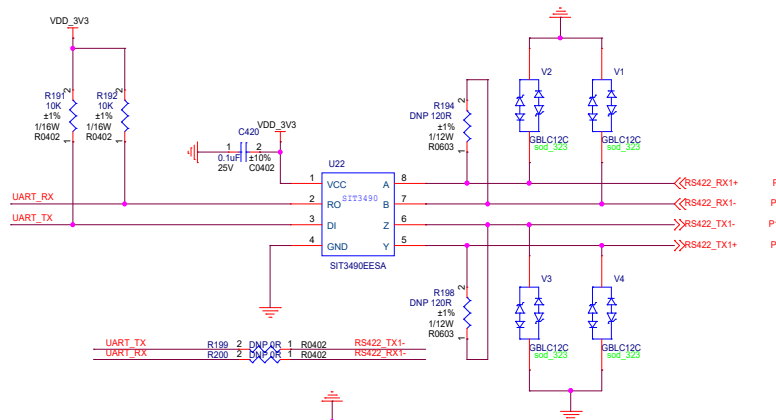
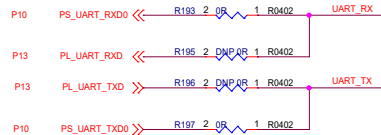


风扇接口



图像数据接口

<Variant Name>			
Title			
VER A			
Size	Document Number		Rev
C	LY-SGM-A001A		A
Date:	Saturday, May 25, 2024	Sheet	17 of 19



<Variant Name>		
Title		
VER A		
Size		
Document Number		
LY-SGM-A001A		
Date		
Saturday, May 25, 2024		
Sheet		
18 of 19		
Rev		
A		

