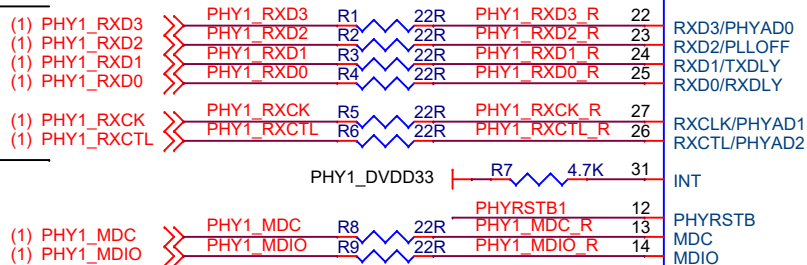
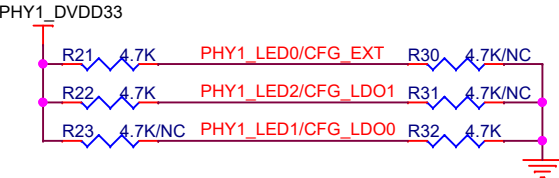
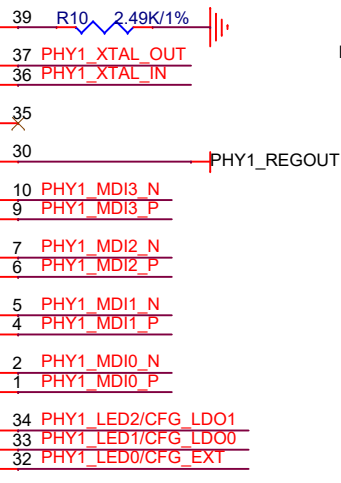
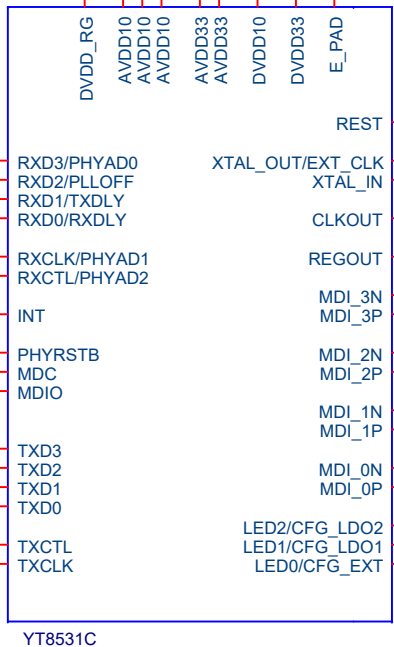


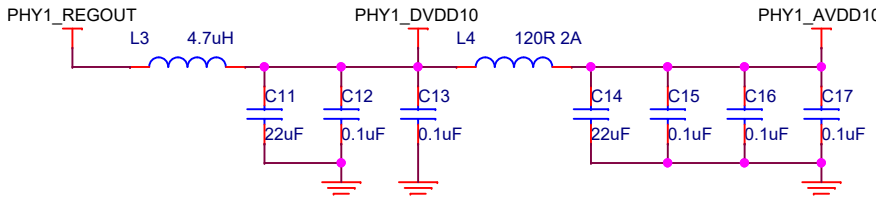
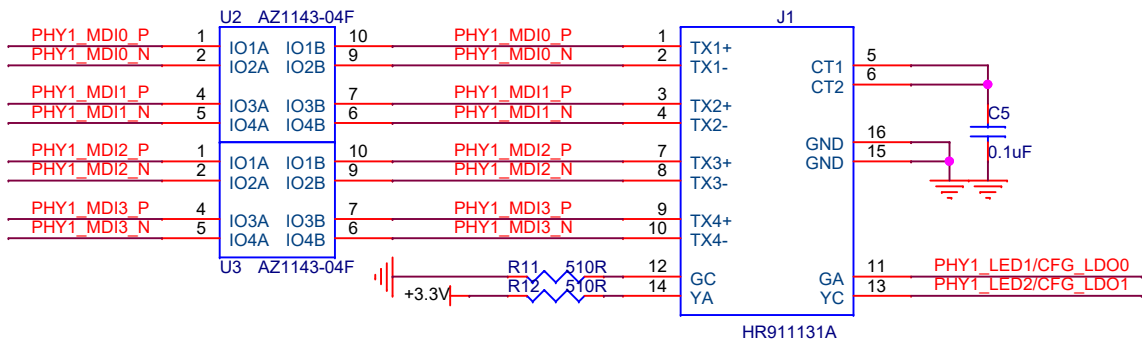
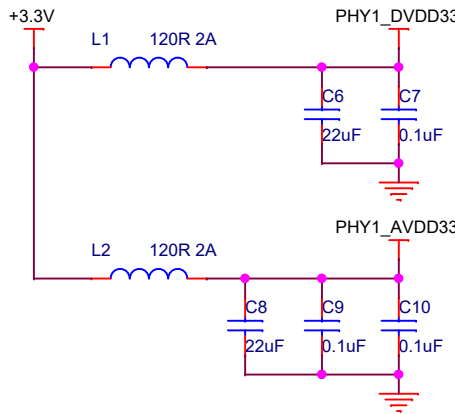
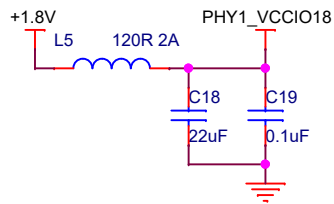
### rx相关信号线全部等长



### tx相关信号线全部等长

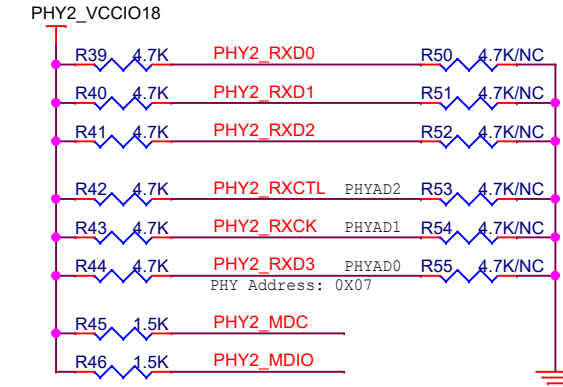
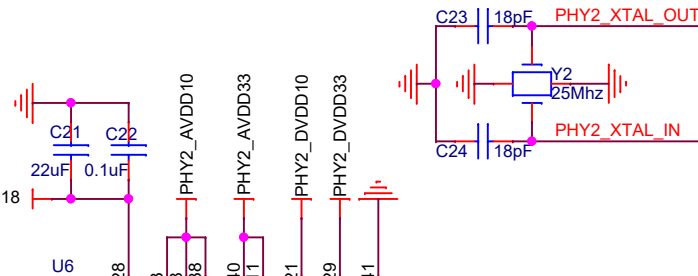
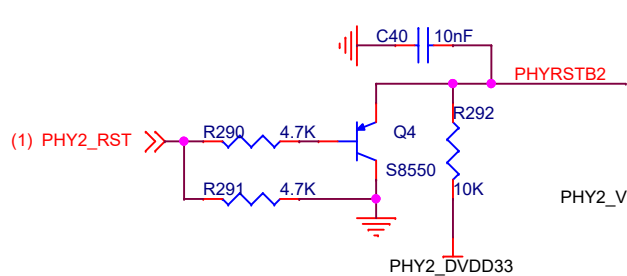


RGMI Power Source	CFG EXT	CFG LDO 1:0
External 3.3V	1'b1	2'b00
External 2.5V	1'b1	2'b01
External 1.8V	1'b1	2'b10 or 2'b11

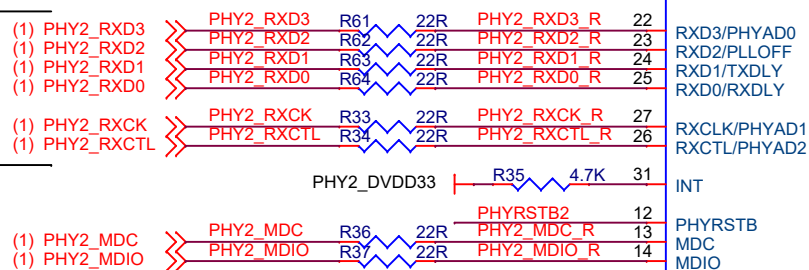


Title: KU040 BASE 1V0 240723 USER	
Author: ALIENTEK	Date: Thursday, July 25, 2024
Version: V1.0	File: 03 YT8531 PHY1
Size: A4	Sheet 3 of 18

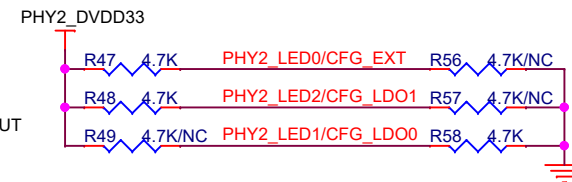
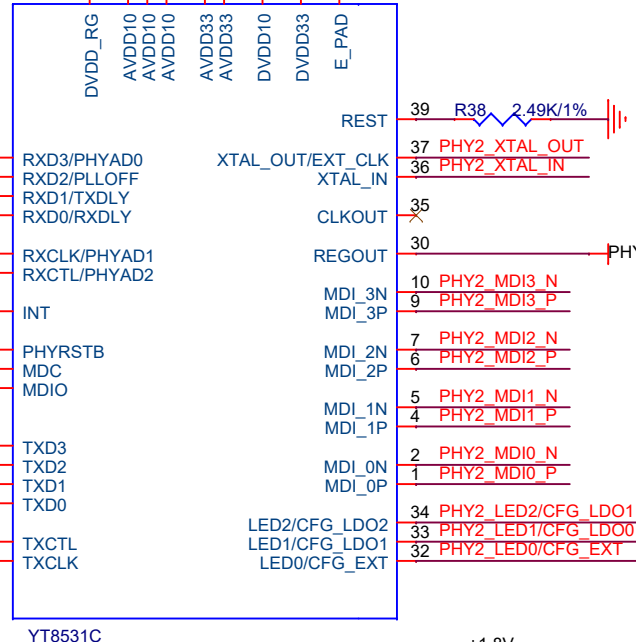




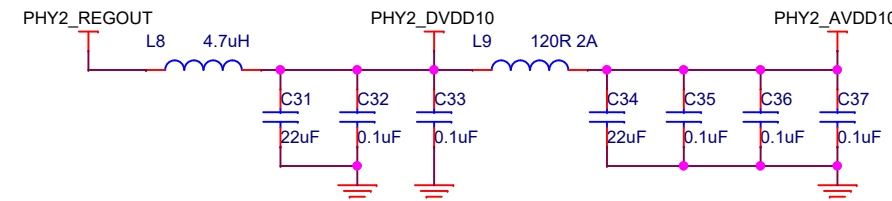
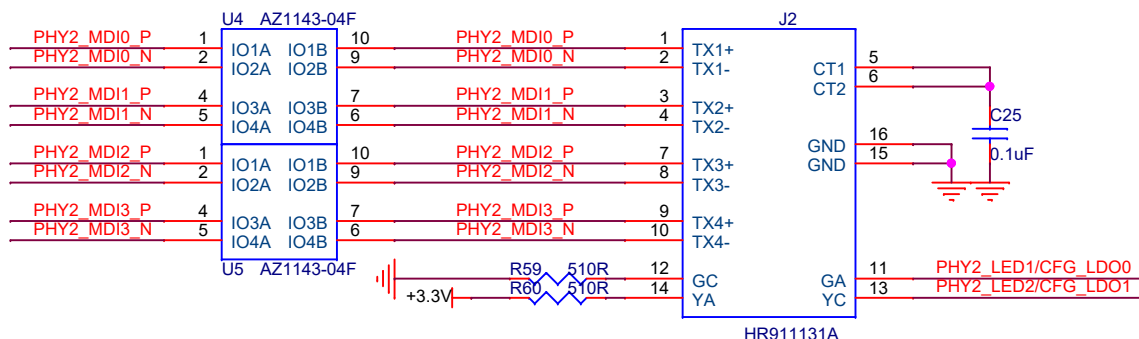
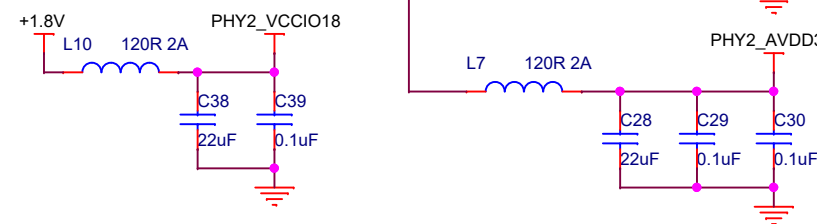
### rx相关信号线全部等长



### tx相关信号线全部等长

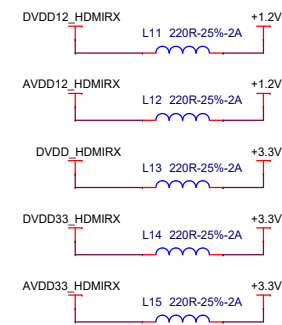
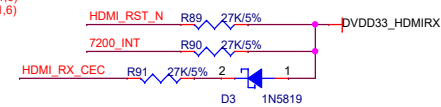
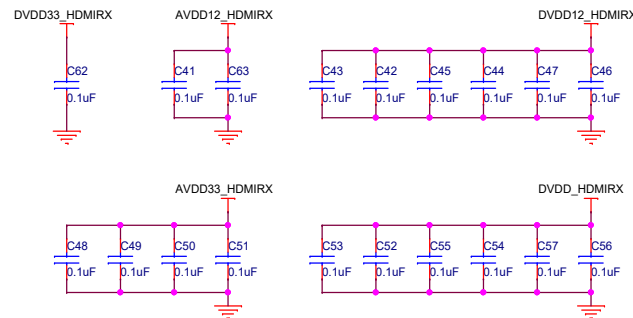
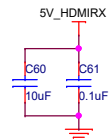


RMII Power Source	CFG EXT	CFG LDO 1:0
External 3.3V	1'b1	2'b00
External 2.5V	1'b1	2'b01
External 1.8V	1'b1	2'b10 or 2'b11



Title: KU040 BASE 1V0 240723 USER	
Author: ALIENTEK	Date: Thursday, July 25, 2024
Version: V1.0	File: 04 YT8531 PHY2
Size: A4	Sheet 4 of 18

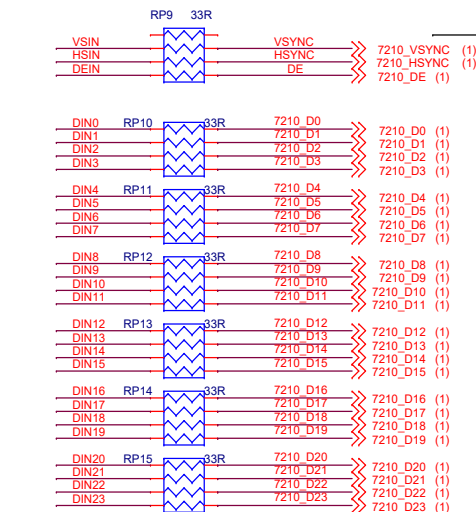
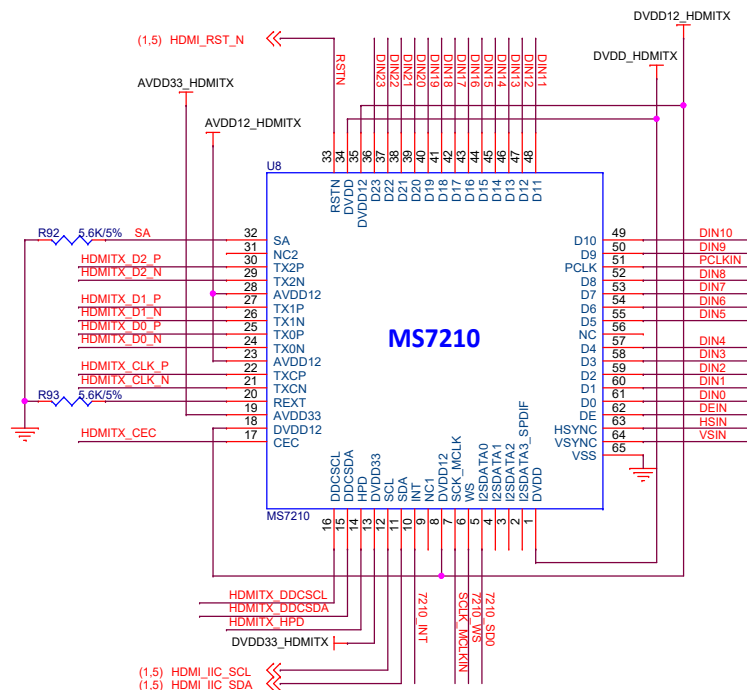
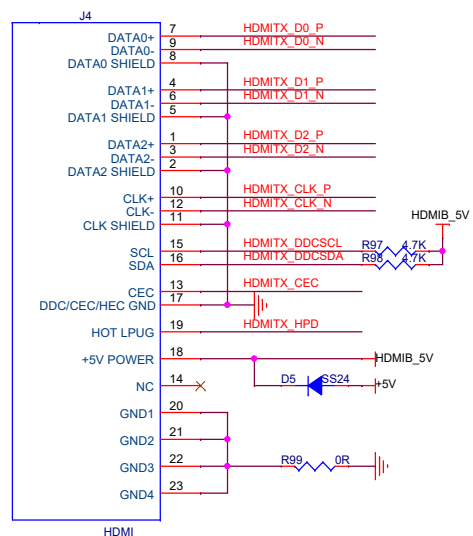




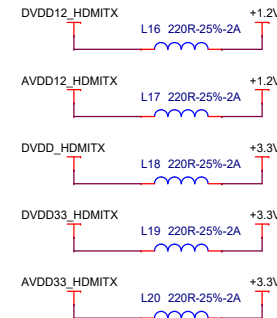
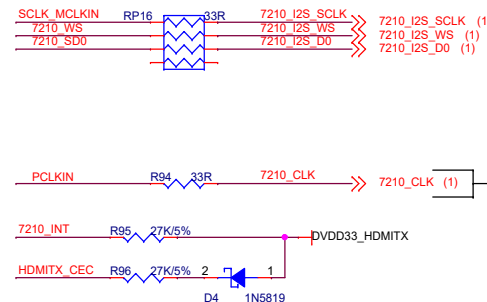
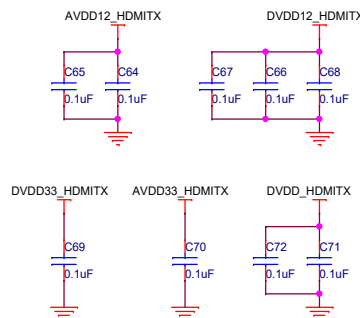
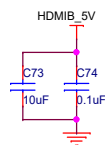
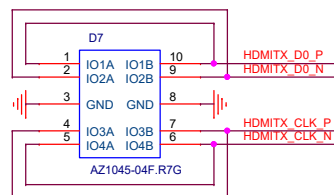
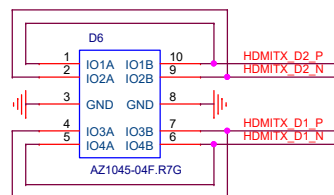
Title:		KU040 BASE 1V0 240723 USER	
Author:	ALIENTEK	Date:	Thursday, July 25, 2024
Version:	V1.0	File:	05 HDMI IN
Size:	A3	Sheet	5 of 18





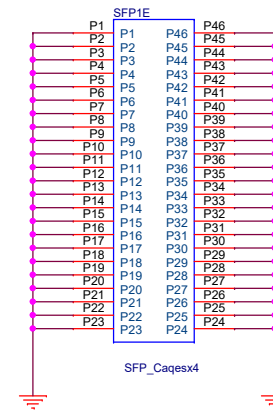
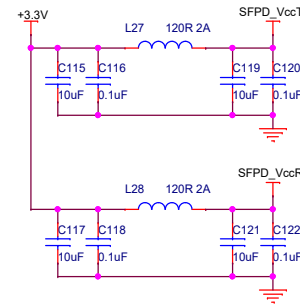
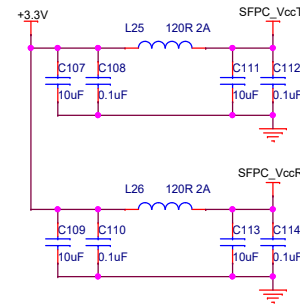
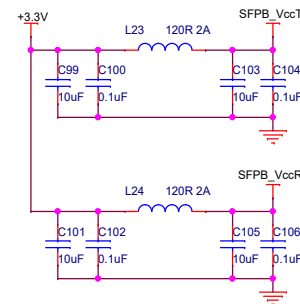
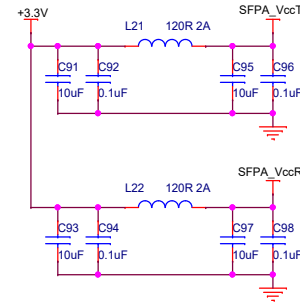
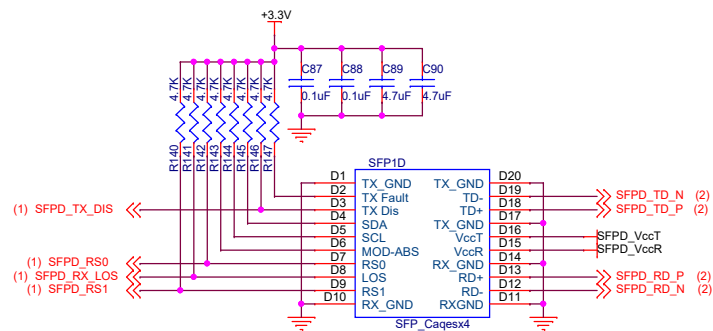
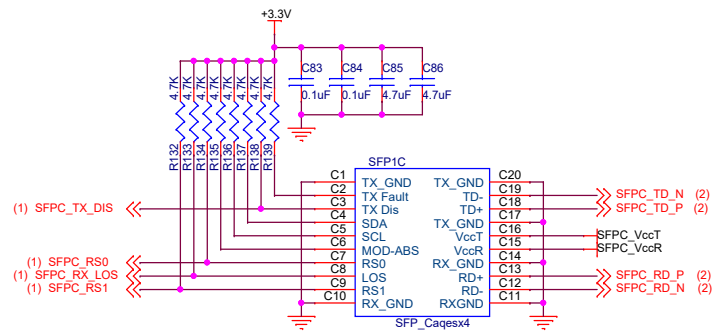
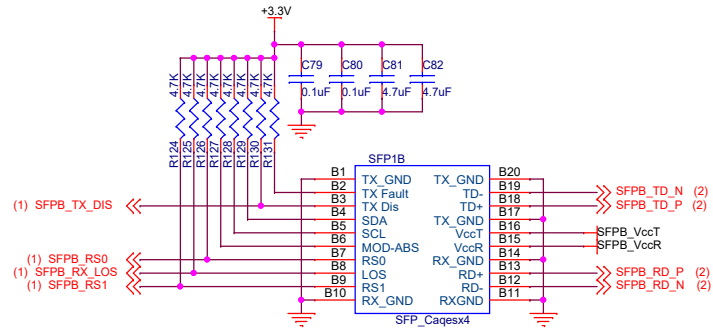
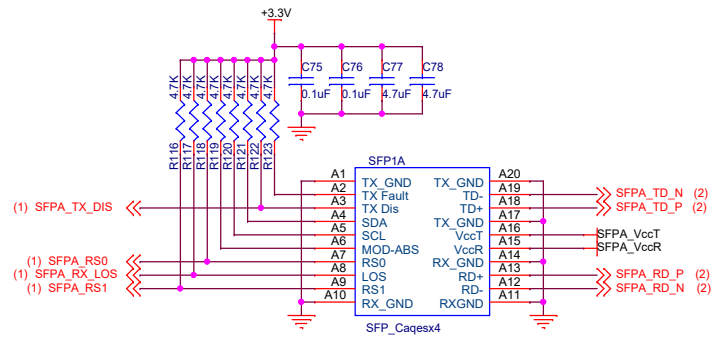


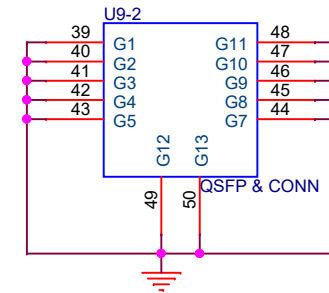
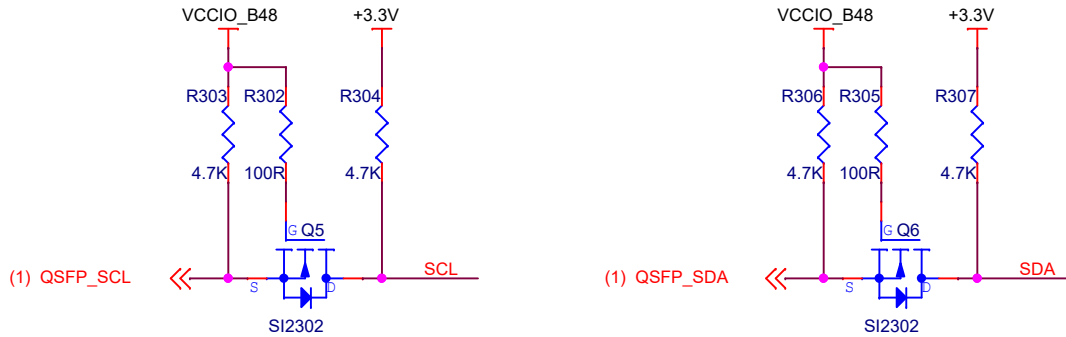
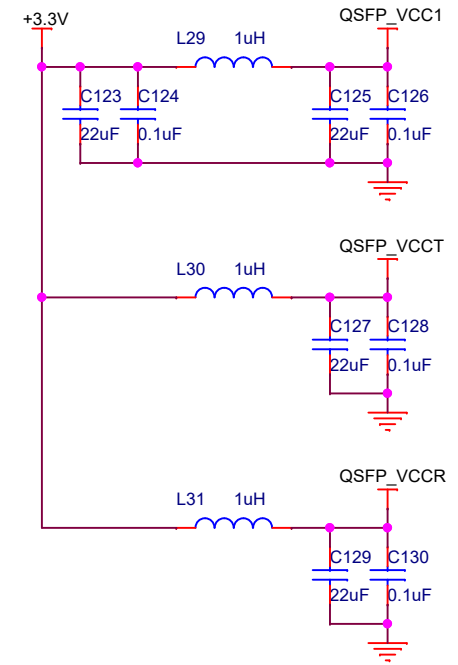
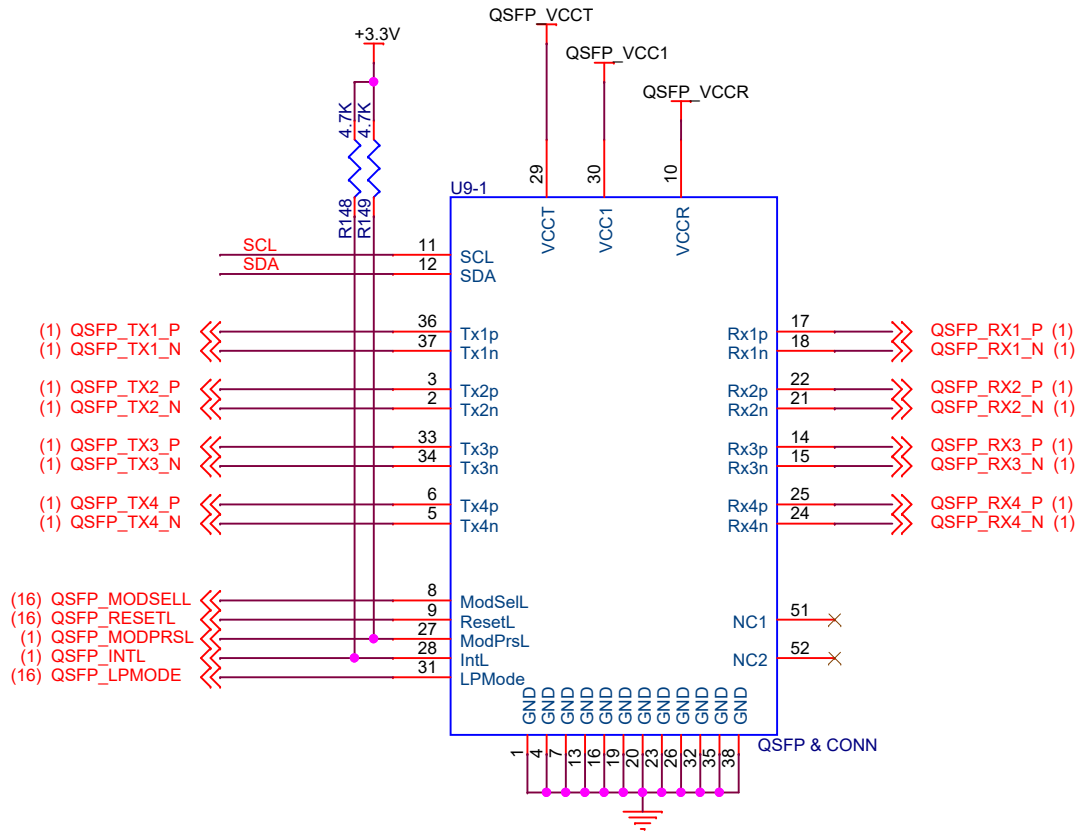
信号线全部等长



File:	KU040 BASE 1V0 240723 USER
Author:	ALIENTEK
Date:	Tuesday, July 23, 2024
Version:	V1.0
File:	06 HDMI OUT
Size:	A3
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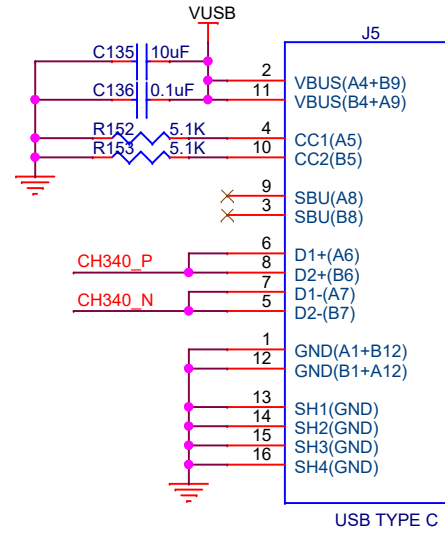
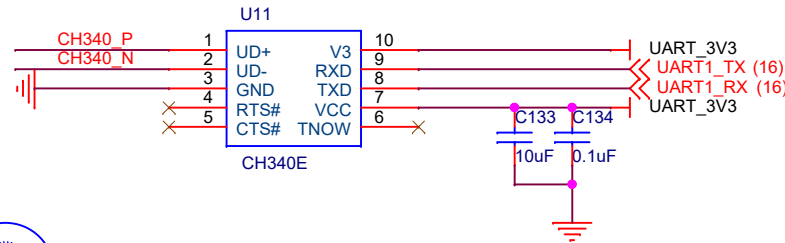
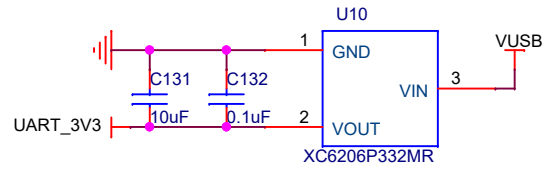




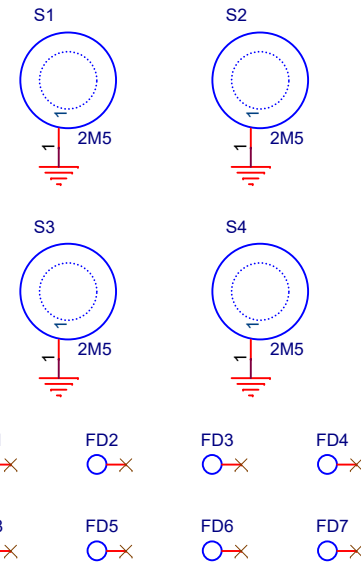
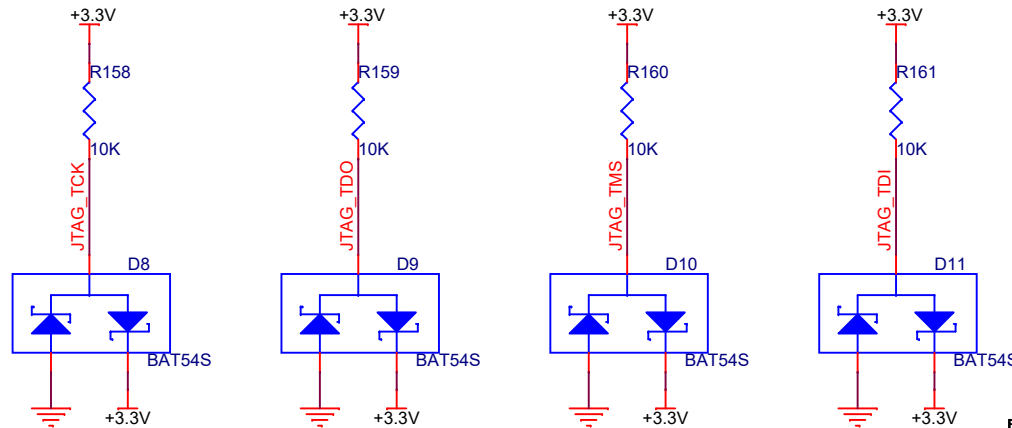
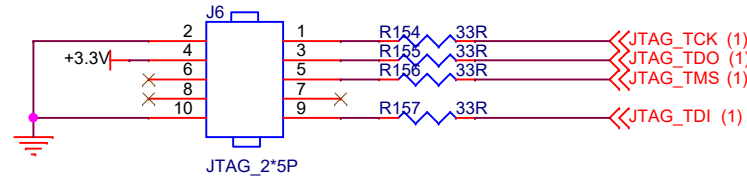


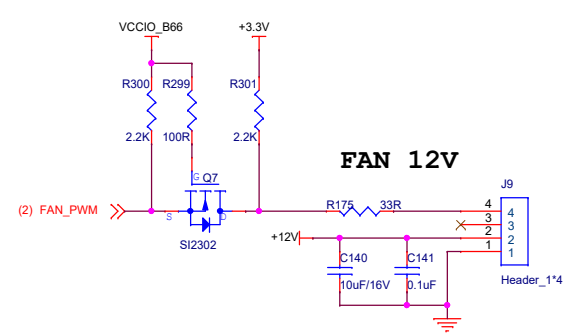
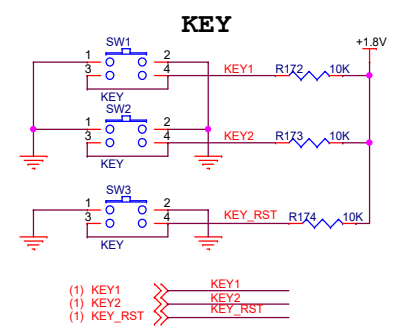
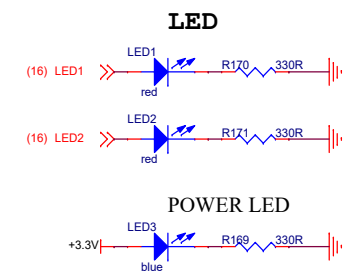
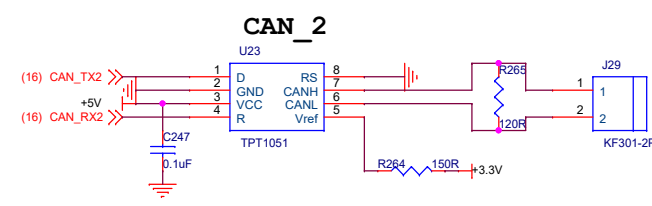
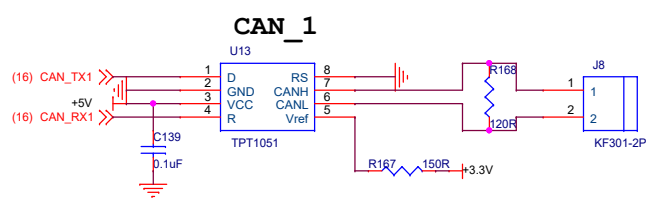
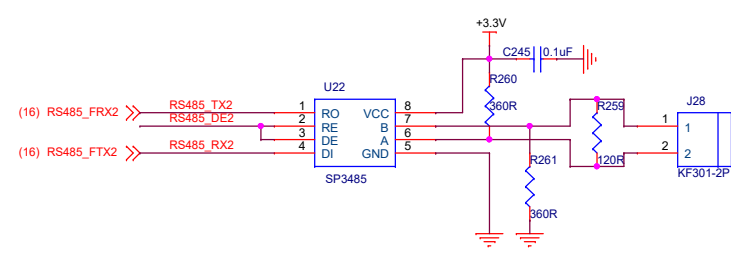
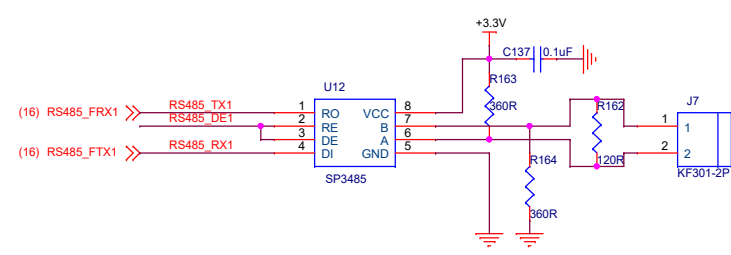
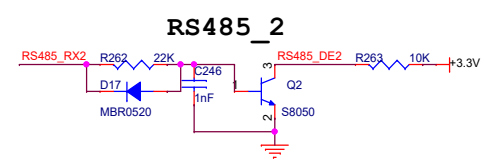
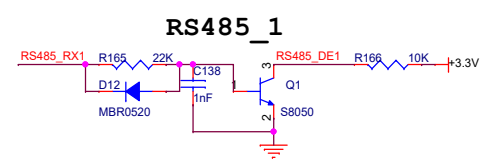


# UART

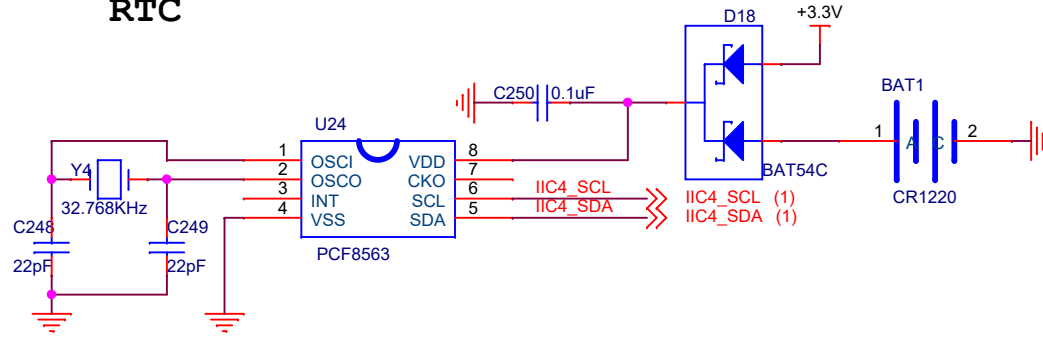


# JTAG

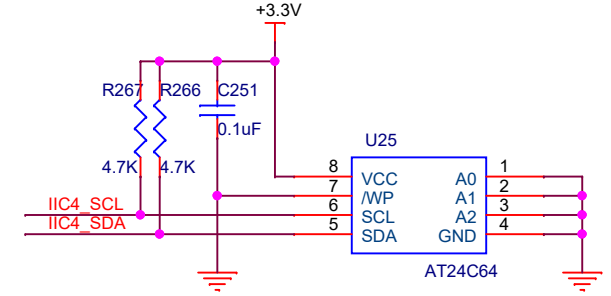




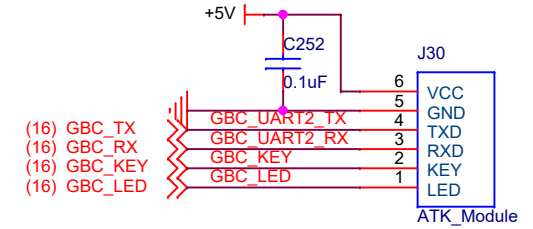
## RTC



## EEPROM

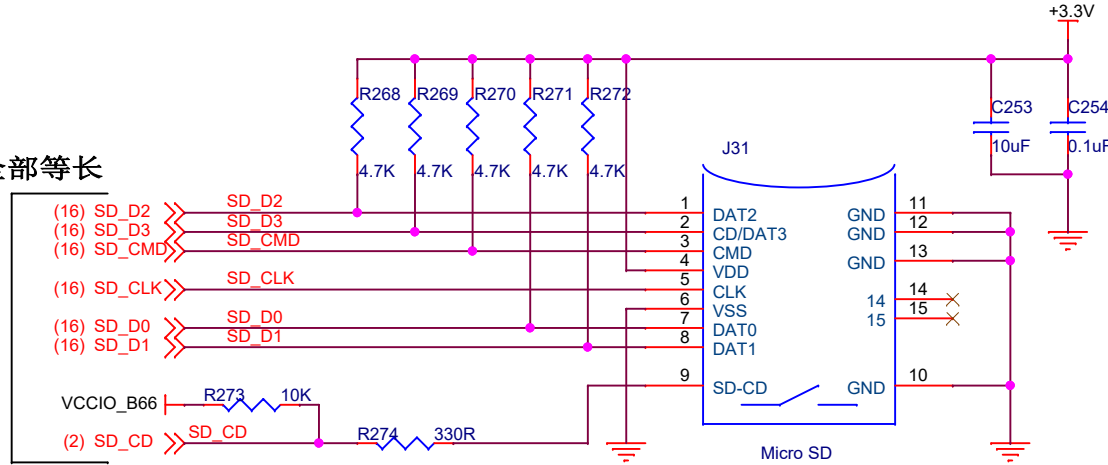


## ATK Module

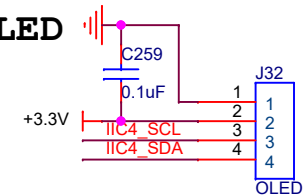


## SD Card

信号线全部等长



## OLED



高速信号线（高速TX，高速RX，高速时钟）全部等长

FMC1\_HPC\_CLK0\_M2C、FMC1\_HPC\_LA00~FMC1\_HPC\_LA16这18对差分信号在同一个bank，且做了同bank等长

FMC1\_HPC\_CLK1\_M2C、FMC1\_HPC\_LA17~FMC1\_HPC\_LA33这18对差分信号在同一个bank，且做了同bank等长

高速TX

高速RX

高速时钟

高速RX

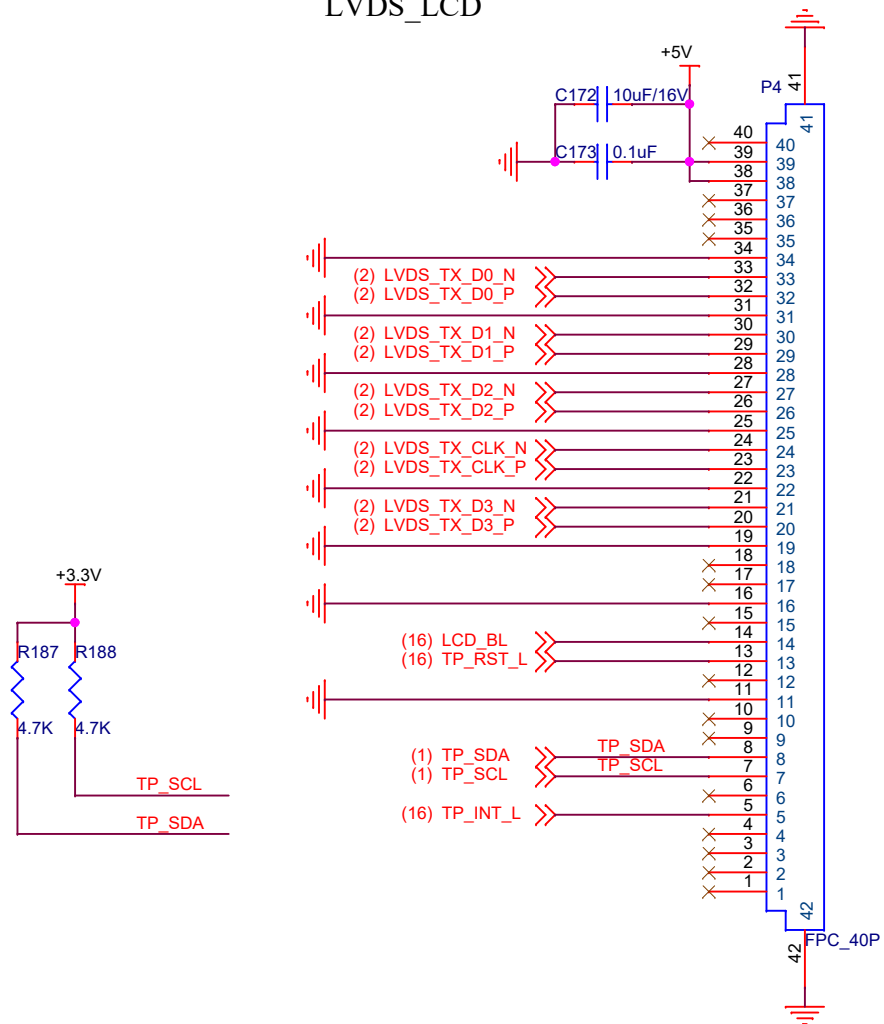
高速TX

高速时钟

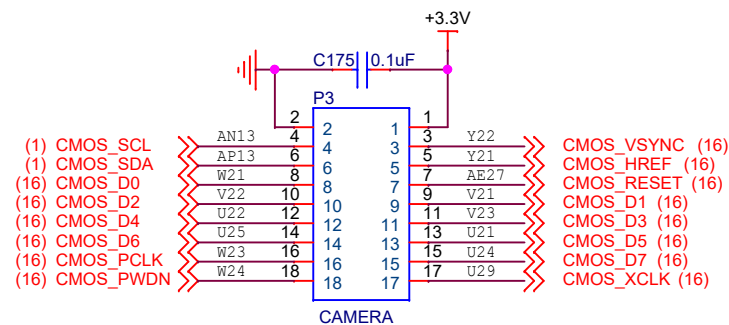
FMC2\_HPC\_CLK1\_M2C、FMC2\_HPC\_LA17~FMC2\_HPC\_LA33这18对差分信号在同一个bank，且做了同bank等长



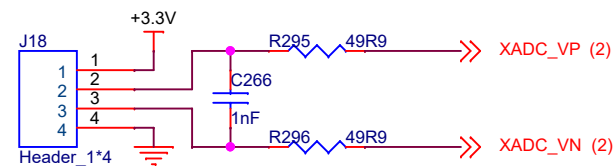
## LVDS\_LCD



## OLED&CAMERA



## XADC

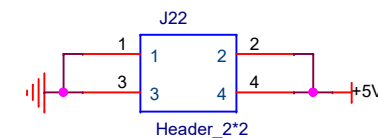
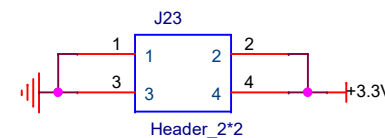
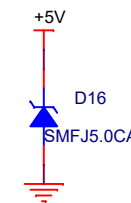
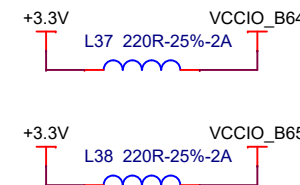
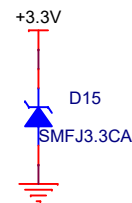
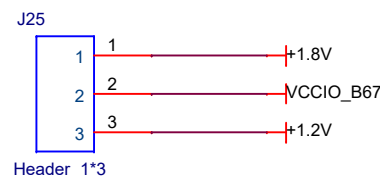
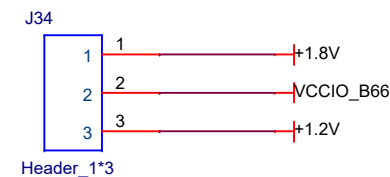
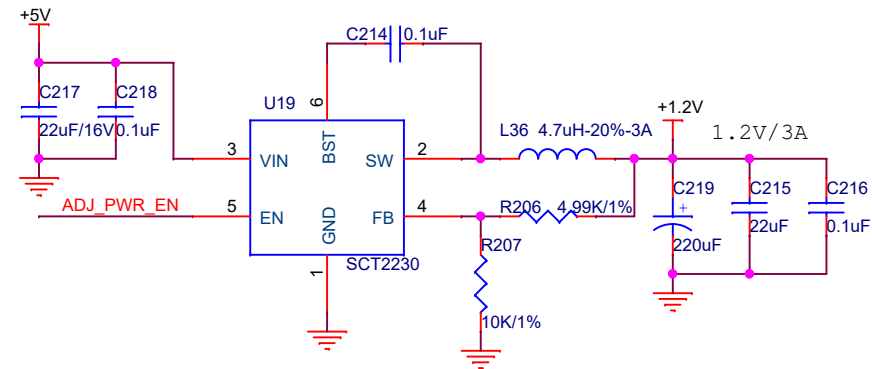
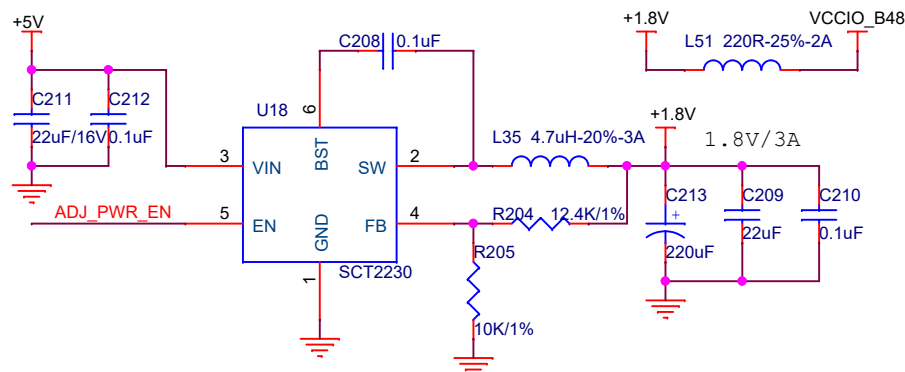
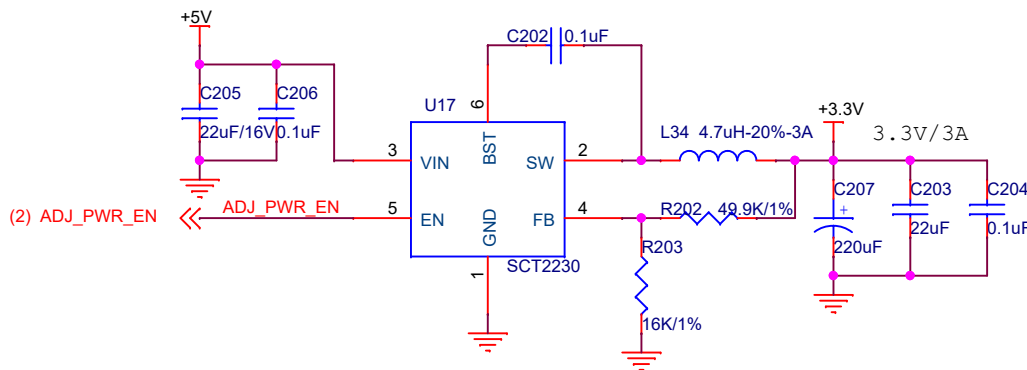
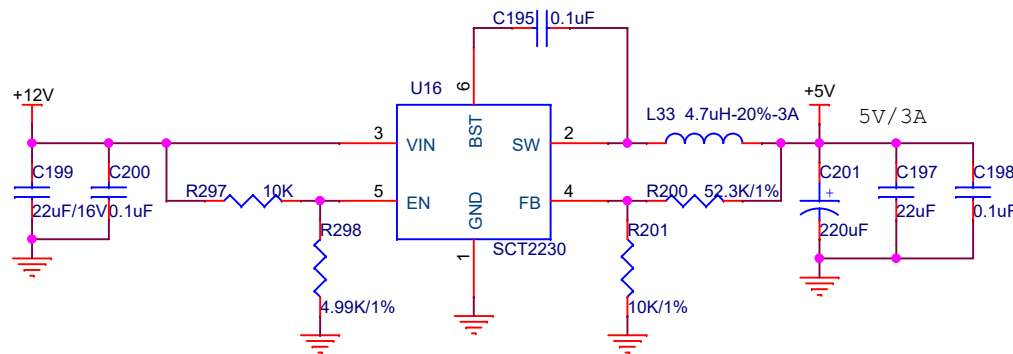
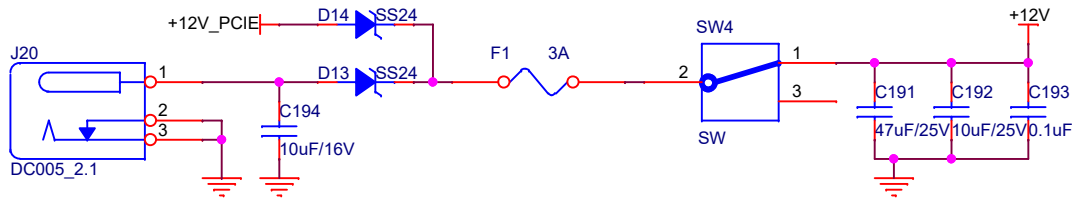








# 12V POWER IN



Title: KU040 BASE 1V0 240723 USER		
Author: ALIENTEK	Date: Tuesday, July 23, 2024	
Version: V1.0	File: 17 PMIC	
Size: A4	Sheet 17 of 18	

