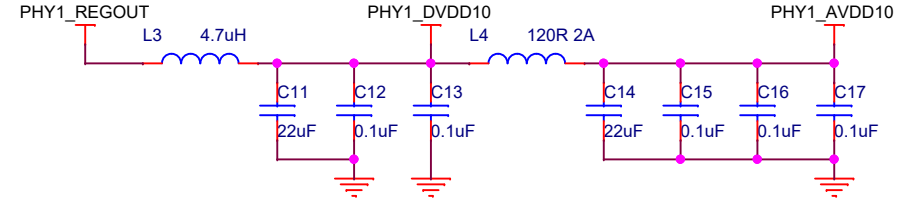
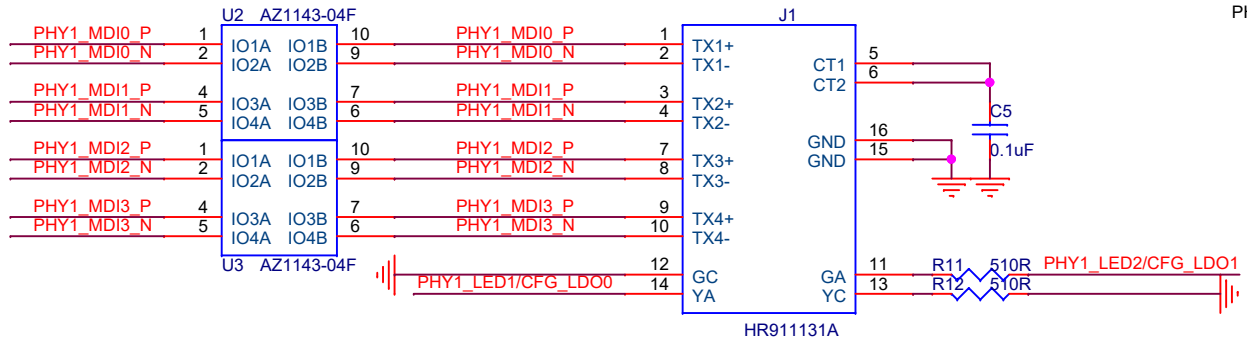
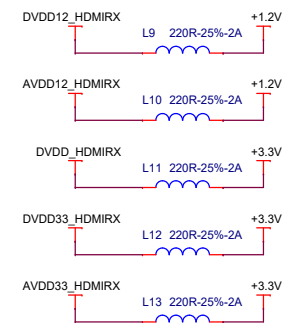
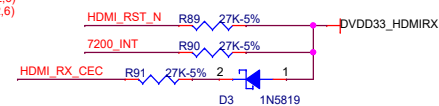
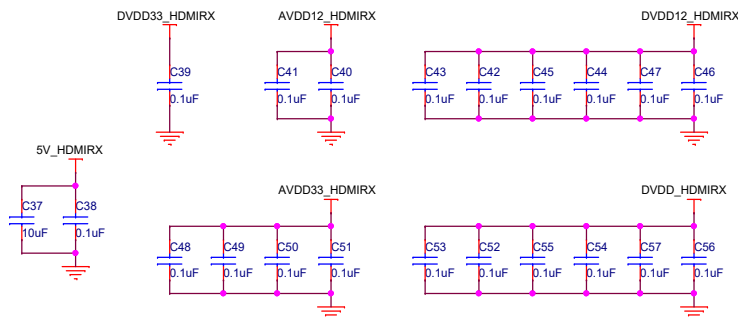
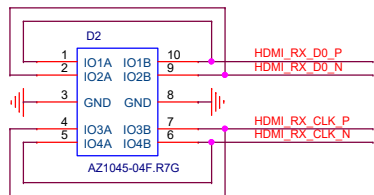


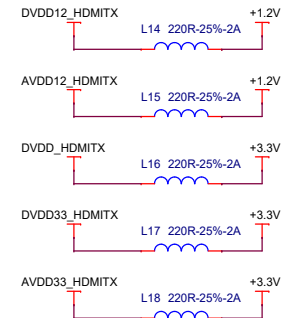
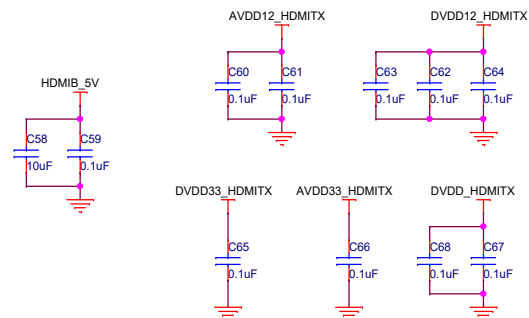
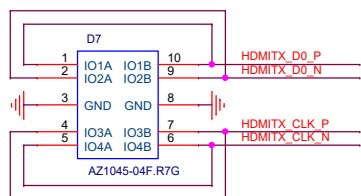
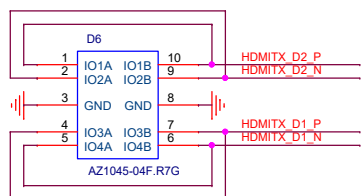
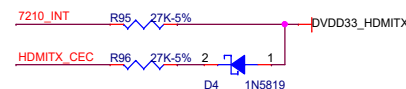
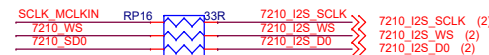
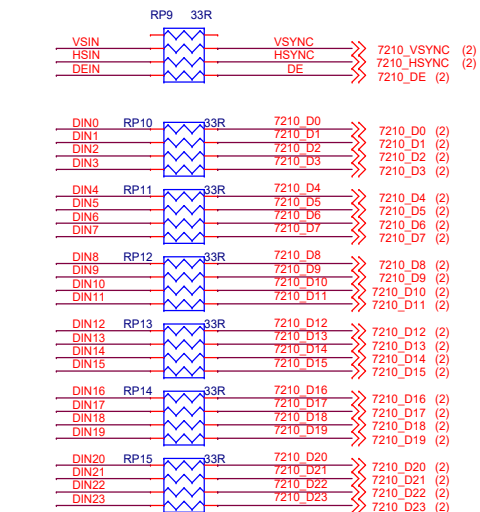
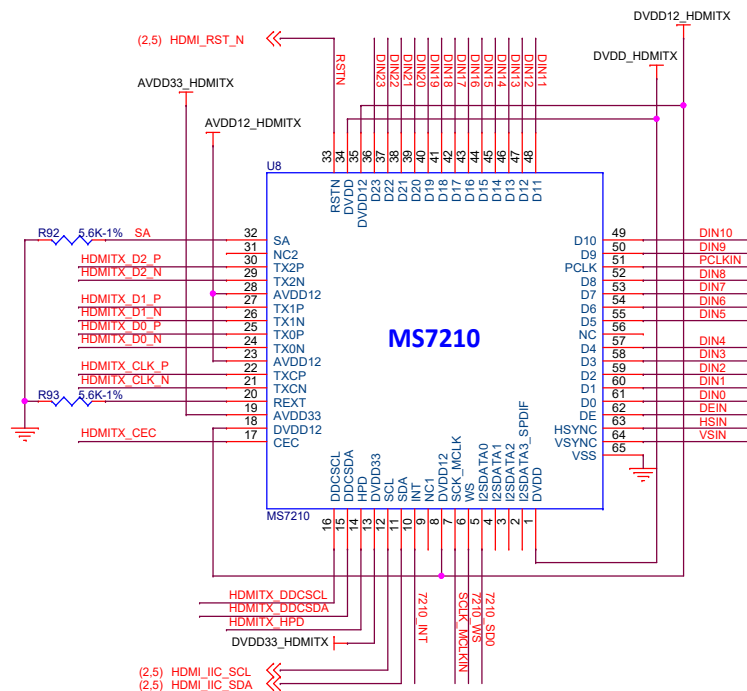
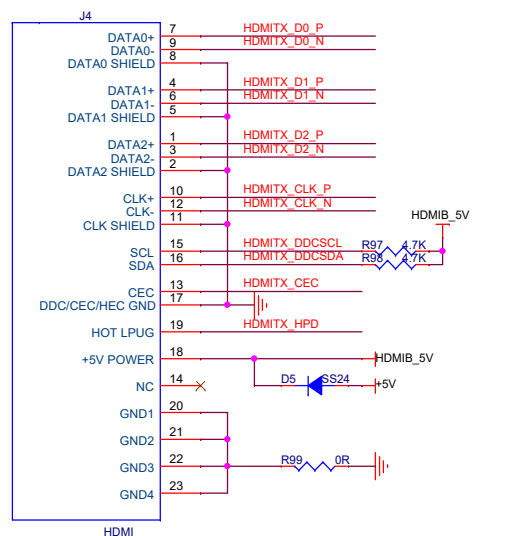
RGMII Power Source	CFG EXT	CFG LDO 1:0
External 3.3V	1'b1	2'b00
External 2.5V	1'b1	2'b01
External 1.8V	1'b1	2'b10 or 2'b11



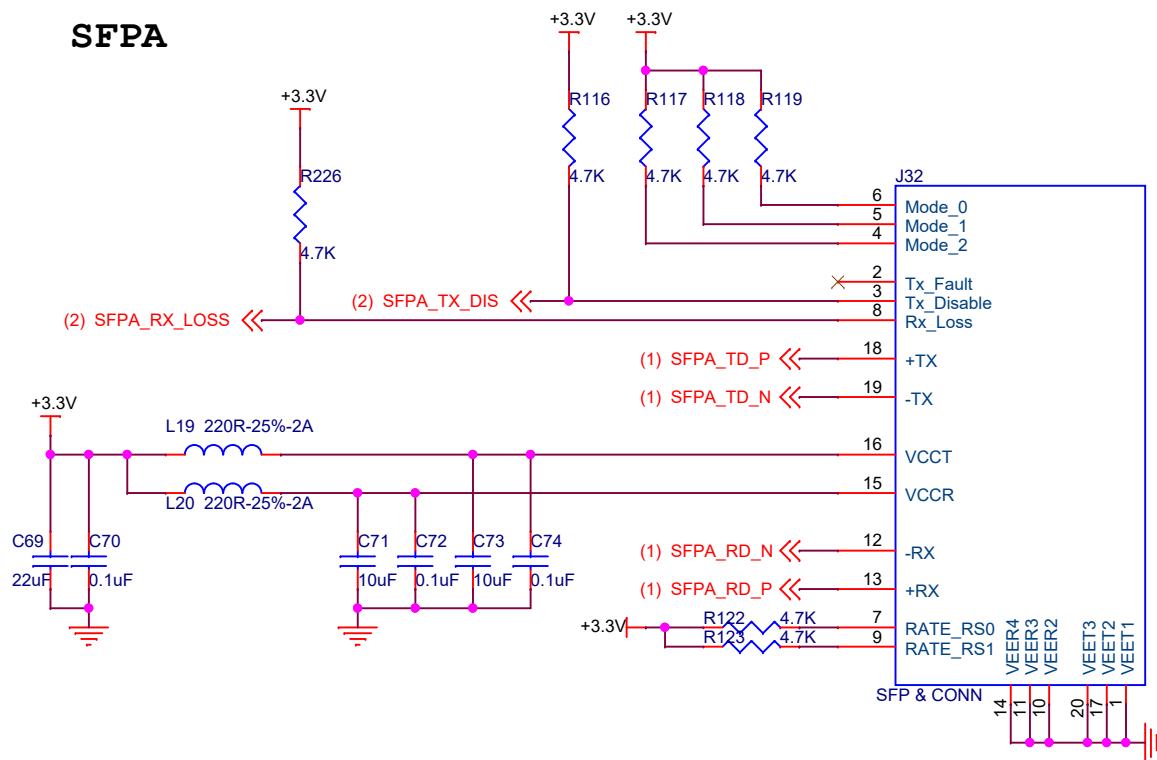
Title: K7 BASE 1V3 2025 0111 USER	
Author: ALIENTEK	Date: Saturday, January 11, 2025
Version: V1.0	File: 03 YT8531 PHY1
Size: A4	Sheet 3 of 17



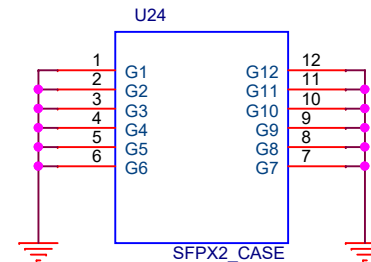
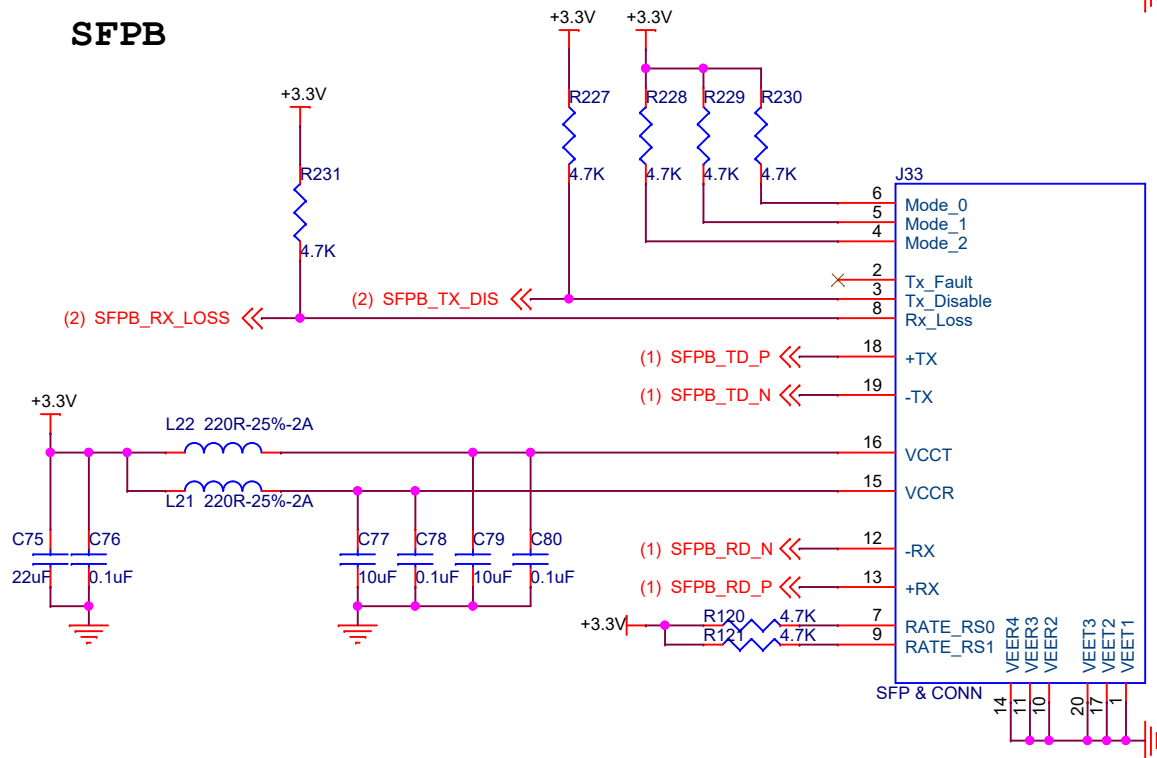


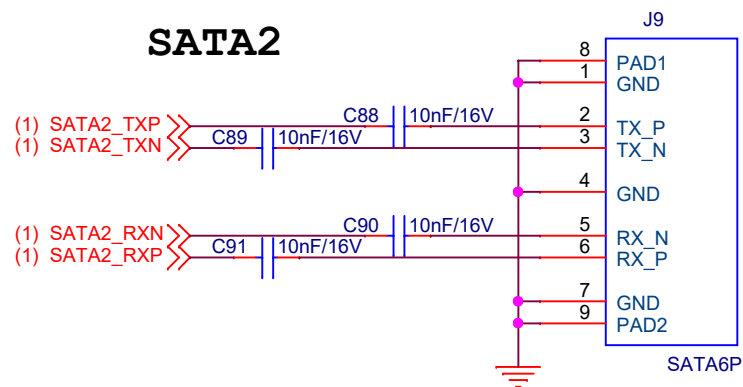
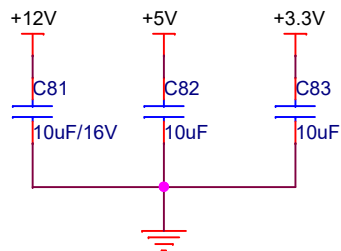
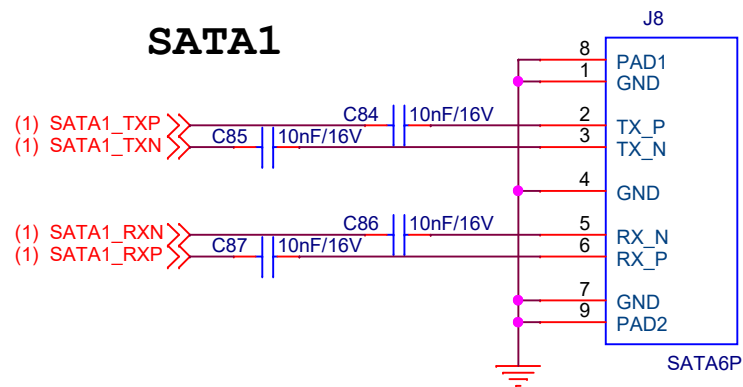
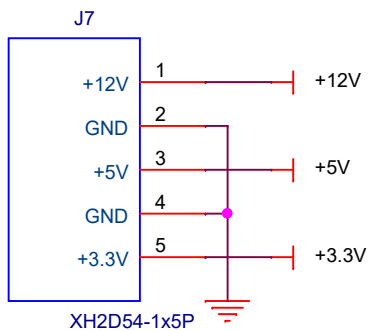


SFPA



SFPB

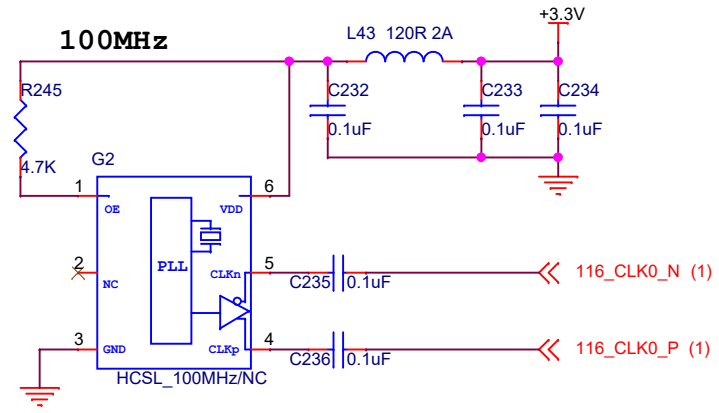
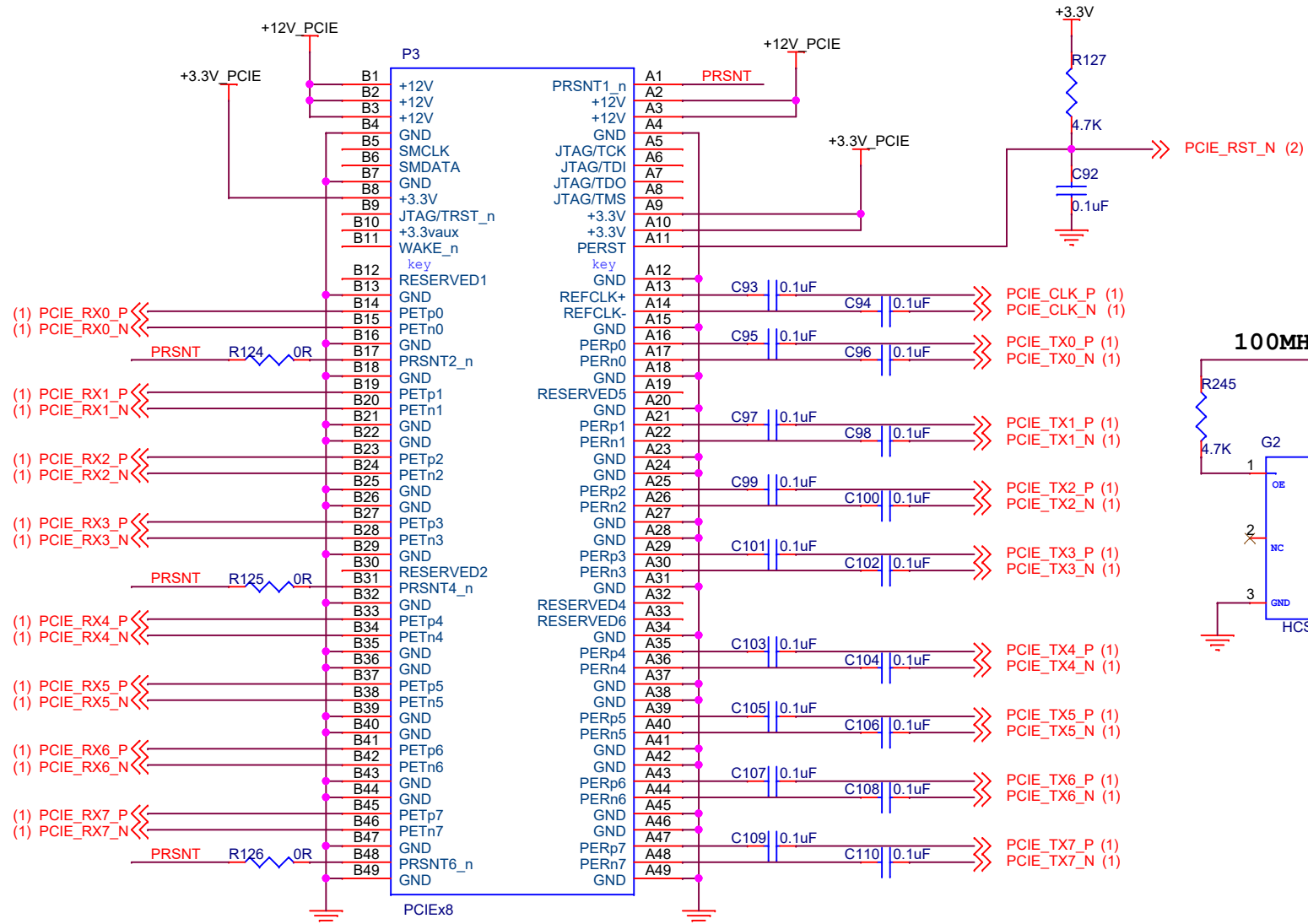




Title: K7 BASE 1V3 2025 0111 USER	
Author: ALIENTEK	Date: Saturday, January 11, 2025
Version: V1.0	File: 08 SATA
Size: A	Sheet 8 of 17

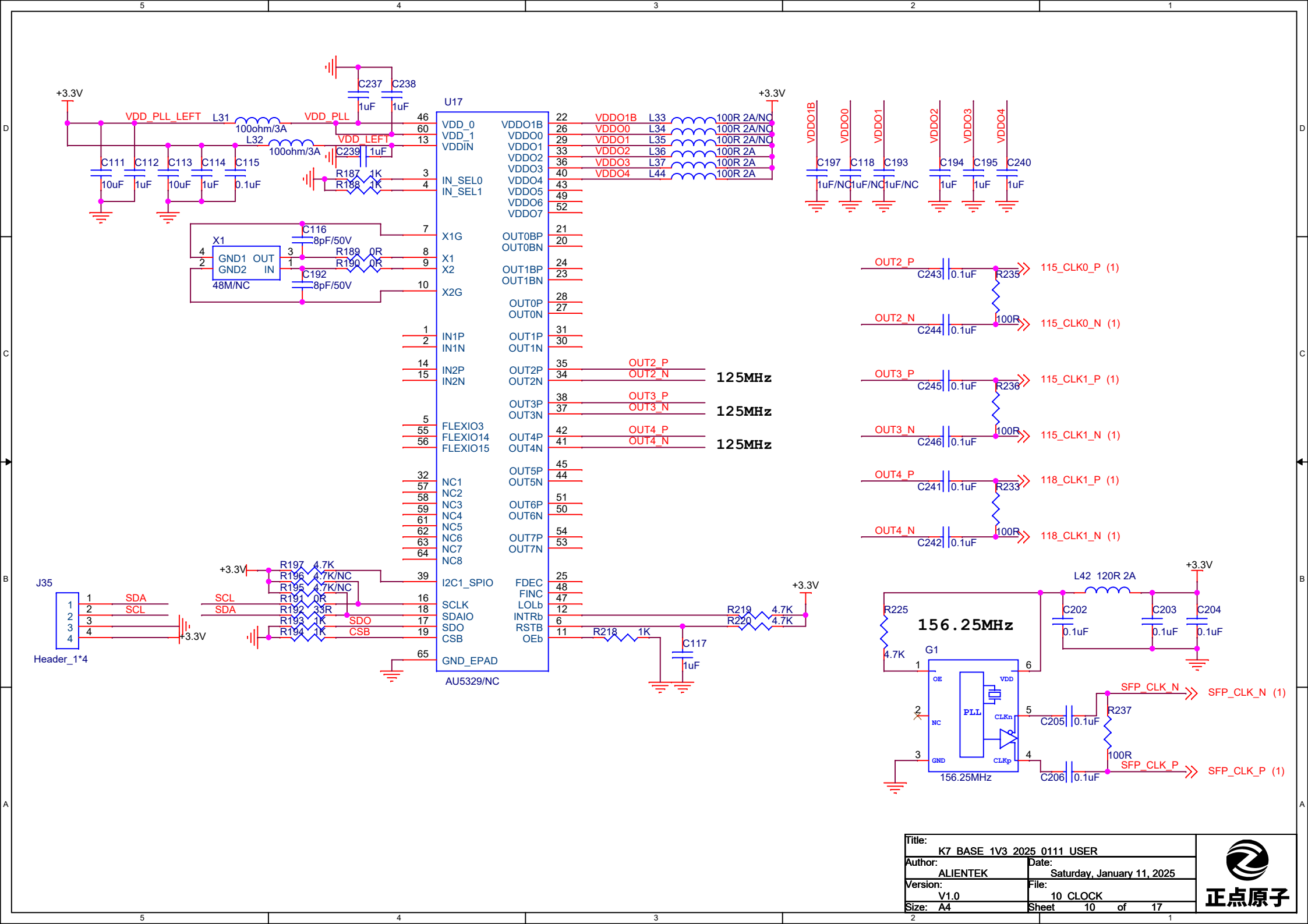


正点原子

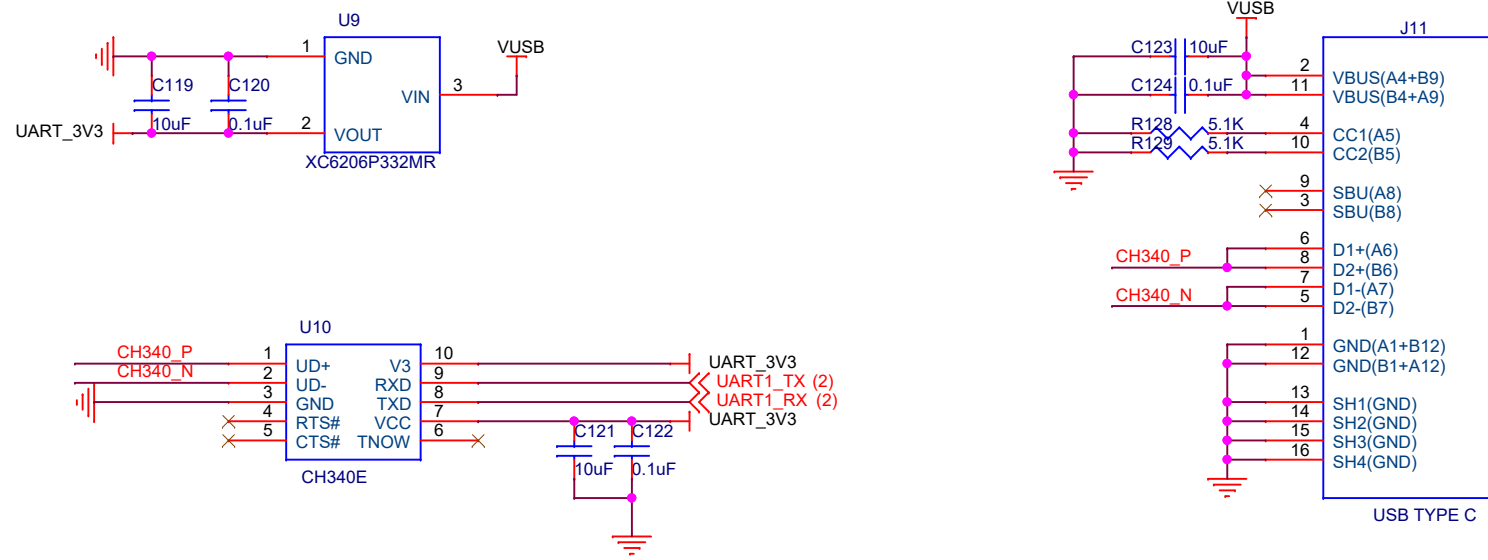


Title:		K7 BASE 1V3 2025 0111 USER	
Author:	ALIENTEK	Date:	Saturday, January 11, 2025
Version:	V1.0	File:	09 PCIEx8
Size:	A4	Sheet	9 of 17

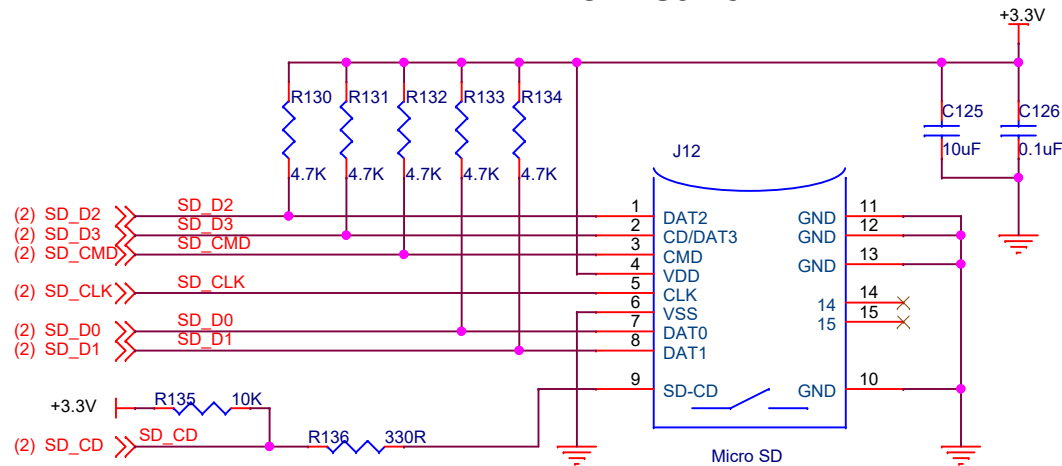




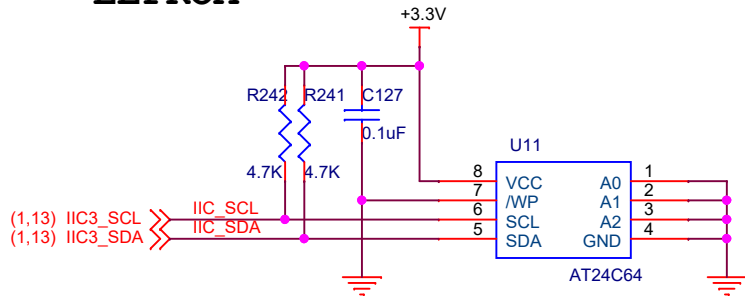
UART



SD Card

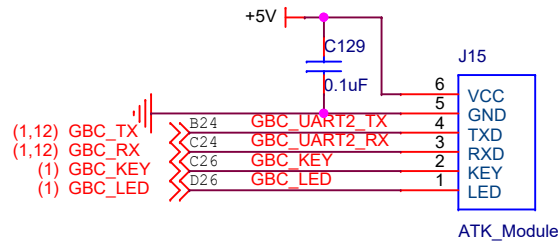


EEPROM

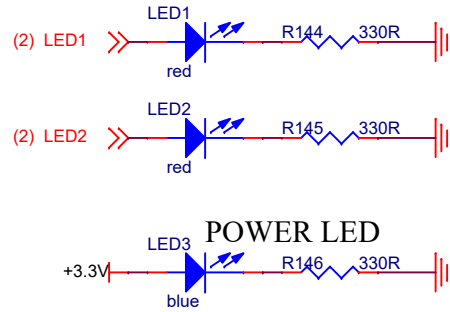


IIC的两个信号总线eeprom, rtc复用

ATK Module



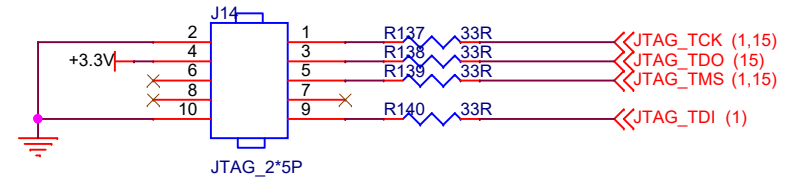
LED



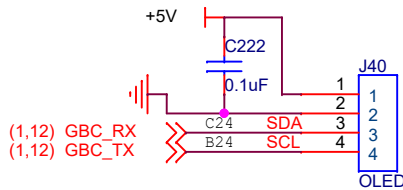
POWER LED



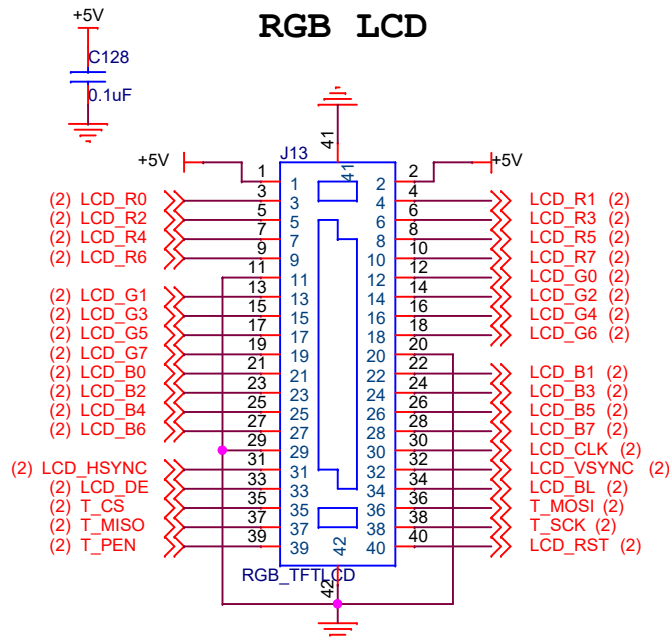
JTAG



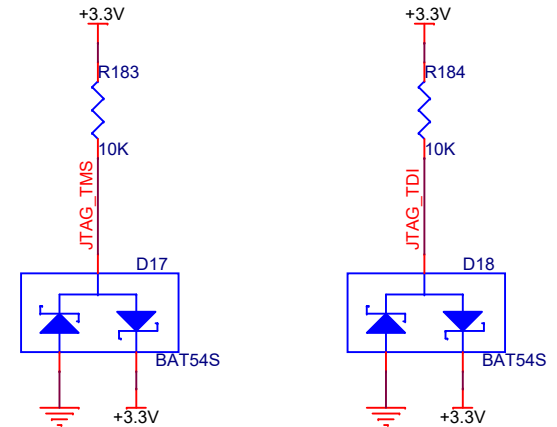
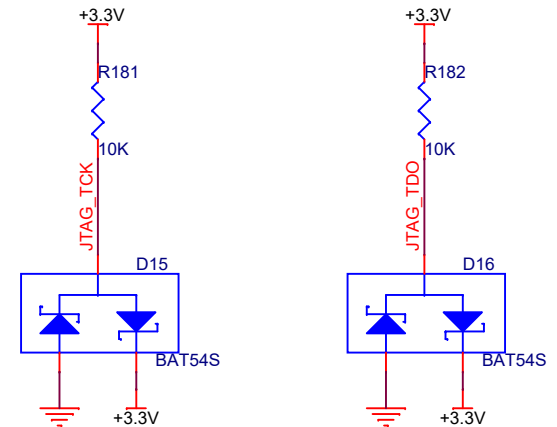
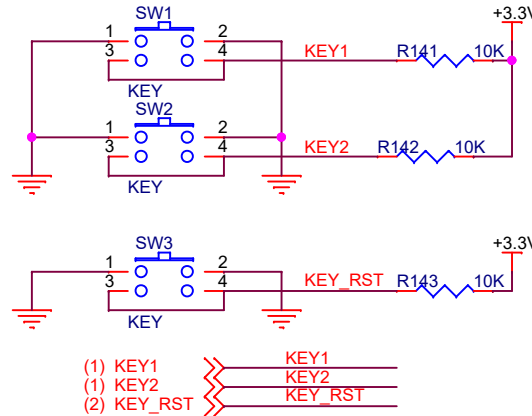
OLED



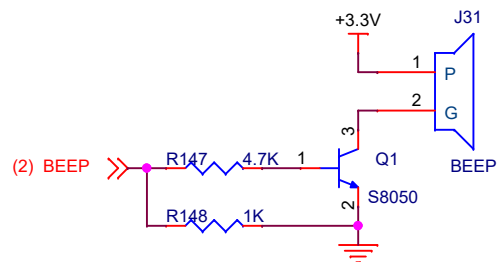
RGB LCD



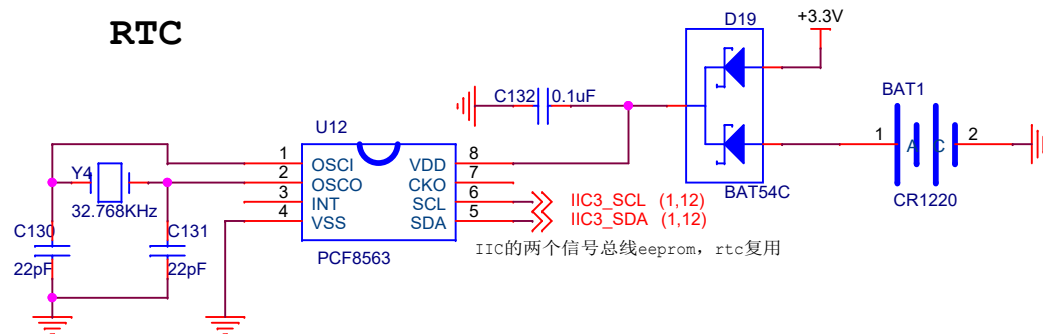
KEY



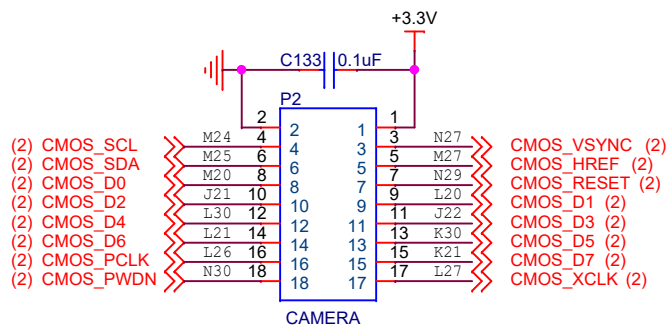
BEEP



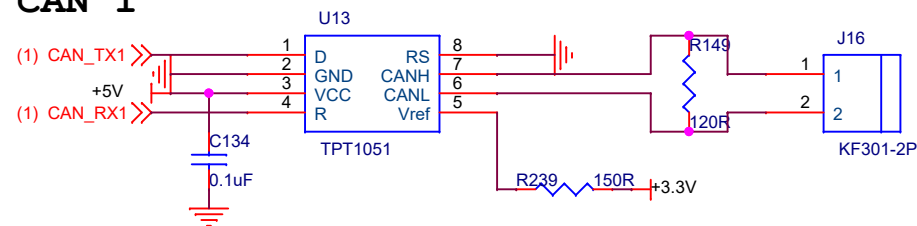
RTC



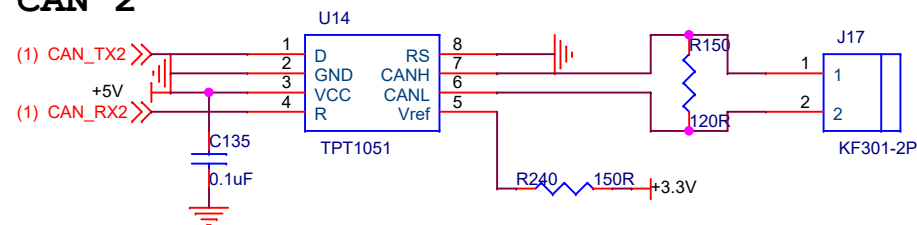
OLED & CAMERA



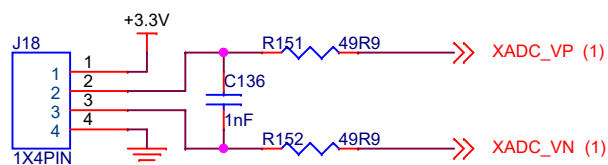
CAN 1



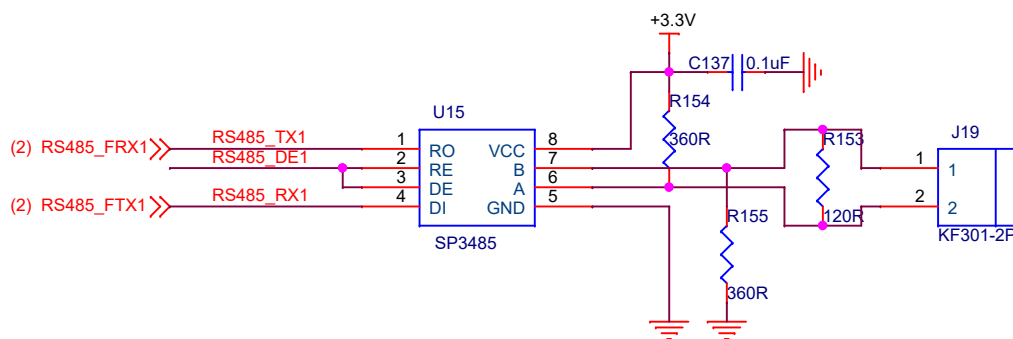
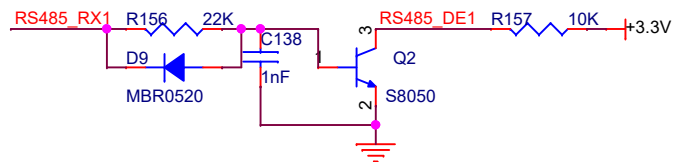
CAN 2



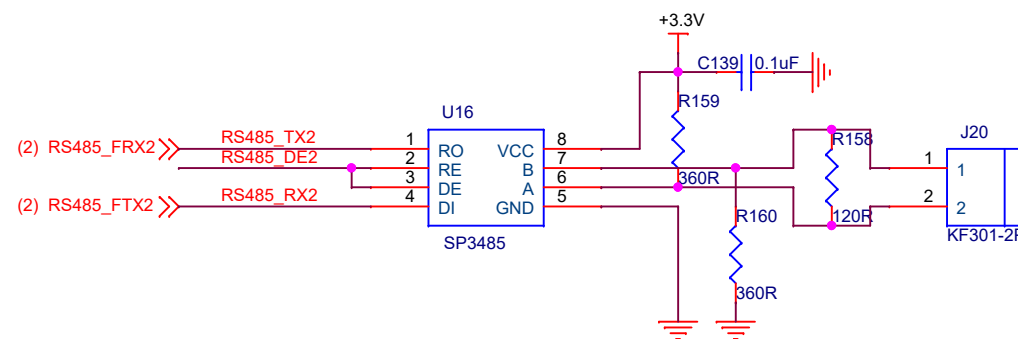
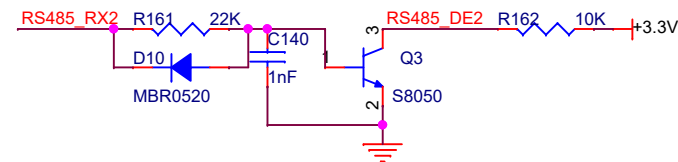
XADC



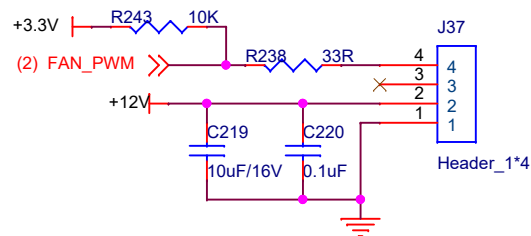
RS485 1

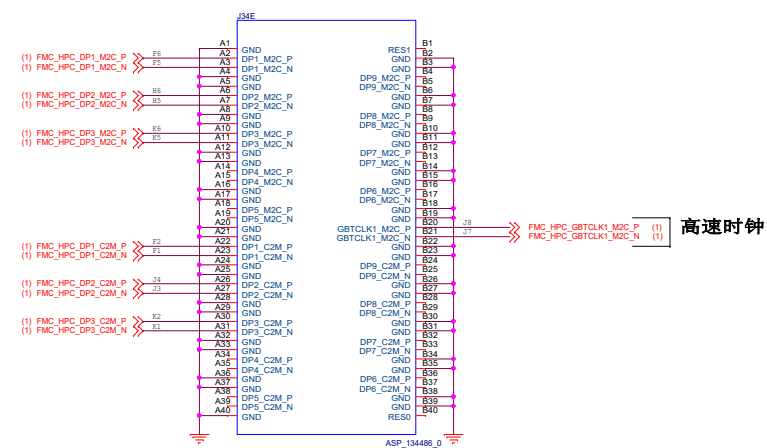
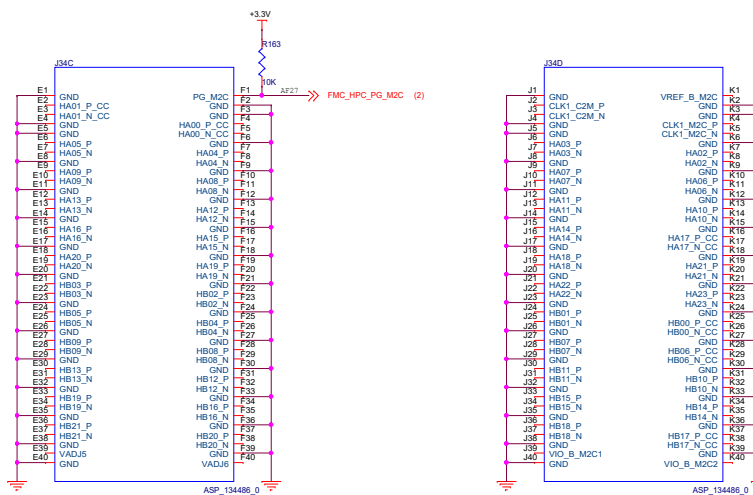
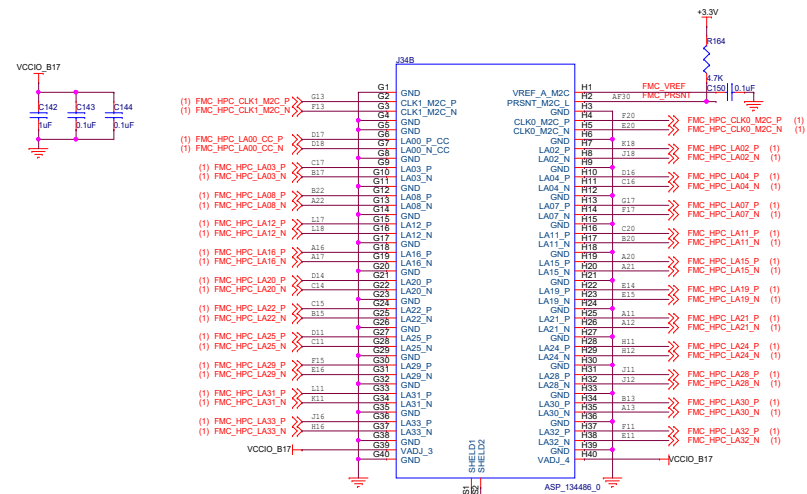
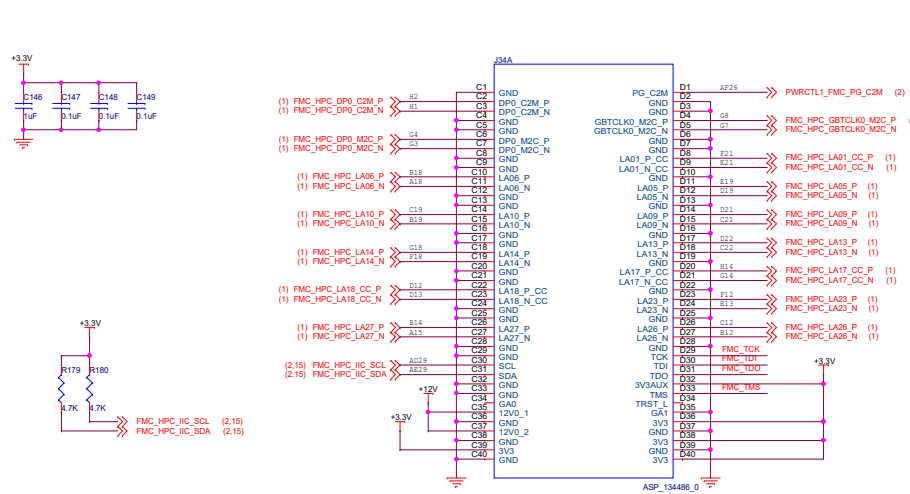


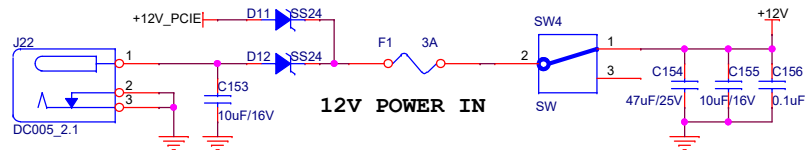
RS485 2



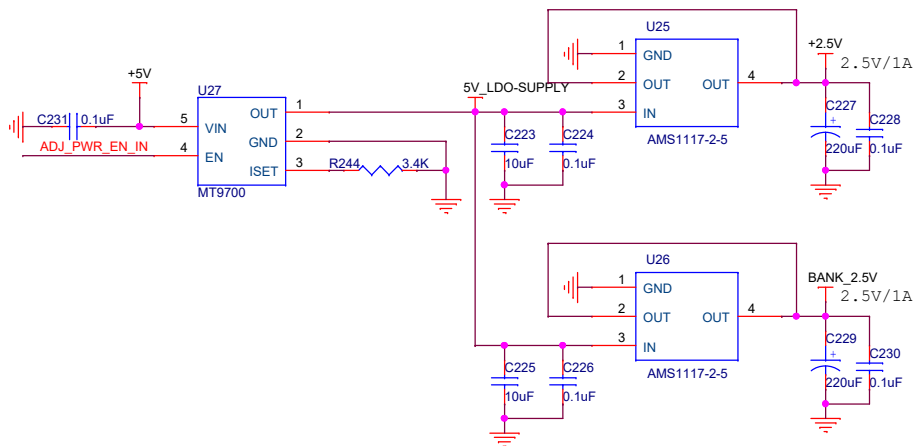
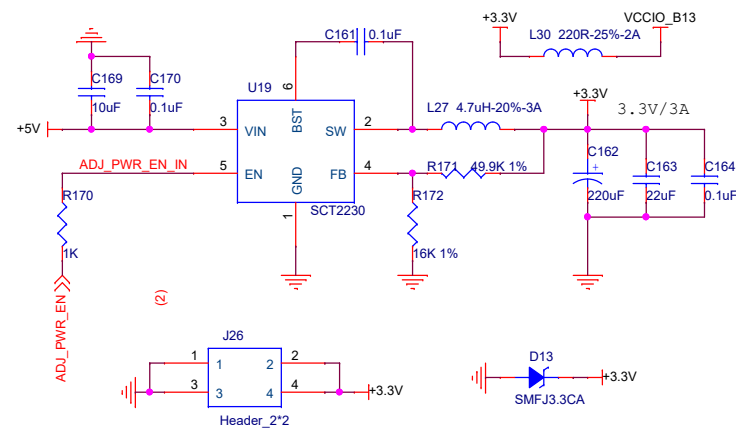
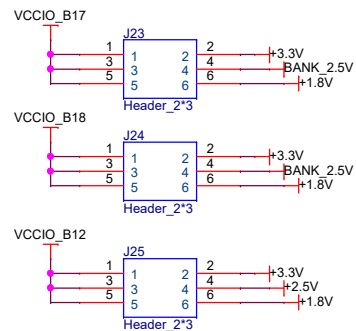
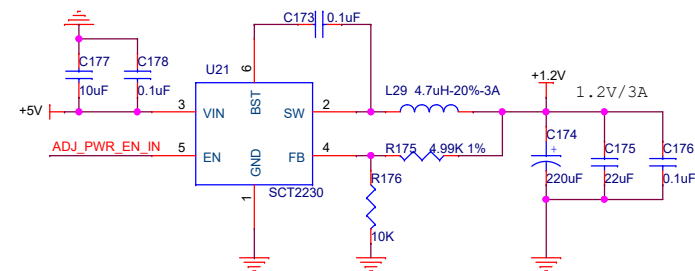
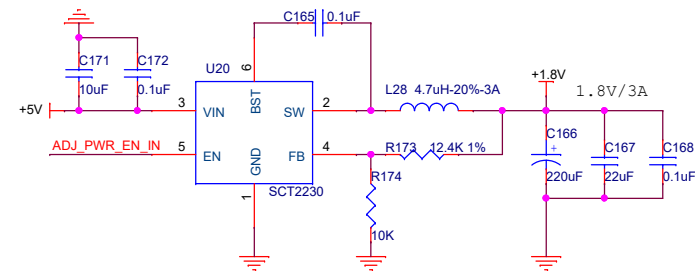
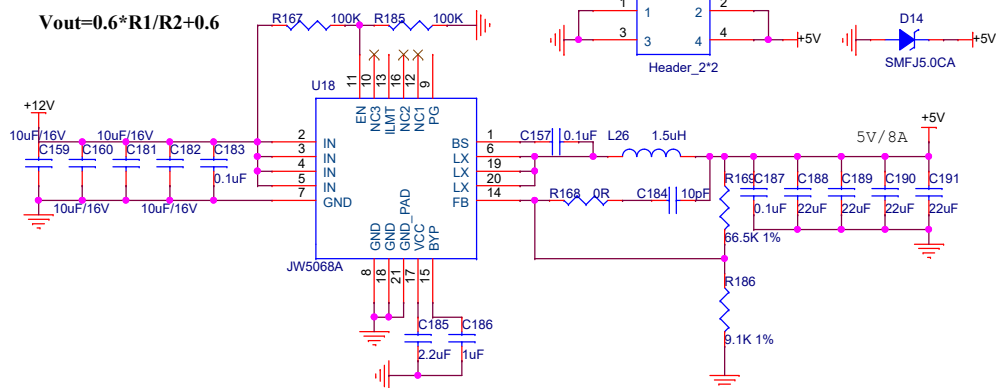
FAN 12V







$$V_{out}=0.6 \times R1/R2+0.6$$



Title:	K7 BASE 1V3 2025 0111 USER
Author:	ALIENTEK
Version:	V1.0
Size:	B
Date:	Saturday, January 11, 2025
File:	16 POWER
Sheet	16 of 17



