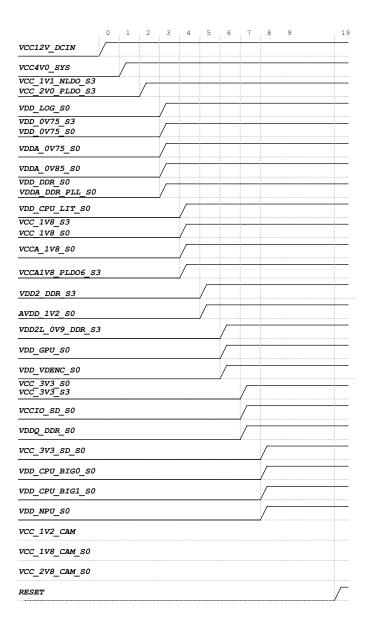


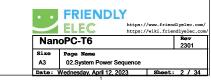
# **Power Sequence**



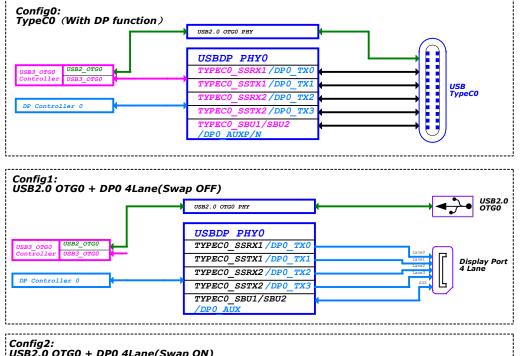
Power Supply	PMIC Channel	Supply Limit	Power Name	Time Slot	Default Voltage	Default ON/OFF	Sleep ON/OFF	Peak Current	Sleep Current
VCC4V0_SYS	RK806-1 BUCK1	6.5A	VDD_GPU_S0	Slot:5	0.75V	ON	OFF	TBD	TBD
VCC4V0_SYS	RK806-1 BUCK2	5A	VDD_CPU_LIT_S0	Slot:3	0.75V	ON	OFF	TBD	TBD
VCC4V0_SYS	RK806-1 BUCK3	5A	VDD_LOG_S0	Slot:2	0.75V	ON	OFF	TBD	TBD
VCC4V0_SYS	RK806-1 BUCK4	3A	VDD_VDENC_S0	Slot:5	0.75V	ON	OFF	TBD	TBD
VCC4V0_SYS	RK806-1_BUCK5	2.5A	VDD_DDR_S0	Slot:2	0.85V	ON	OFF	TBD	TBD
VCC4V0_SYS	RK806-1_BUCK6	2.5A	VDD2_DDR_S3	Slot:4	ADJ FB=0.5V	ON	ON	TBD	TBD
VCC4V0_SYS	RK806-1_BUCK7	2.5A	VCC_2V0_PLDO_S3	Slot:1	2.0V	ON	ON	TBD	TBD
VCC4V0_SYS	RK806-1_BUCK8	2.5A	VCC_3V3_S3	Slot:6	3.3V	ON	ON	TBD	TBD
VCC4V0_SYS	RK806-1_BUCK9	2.5A	VDDQ_DDR_S0	Slot:6	ADJ FB=0.5V	ON	OFF	TBD	TBD
VCC4V0_SYS	RK806-1 BUCK10	2.5A	VCC_1V8_S3	Slot:3	1.8V	ON	ON	TBD	TBD
	RK806-1_PLD01	0.5A	VCCA_1V8_S0	Slot:3	1.8V	ON	OFF	TBD	TBD
VCC 2VO PLDO	RK806-1_PLDO2	0.3A	VCC_1V8_S0	Slot:3	1.8V	ON	OFF	TBD	TBD
	RK806-1_PLDO3	0.3A	VDDA_1V2_S0	Slot:4	1.2V	ON	OFF	TBD	TBD
	RK806-1_PLDO4	0.5A	VCCA_3V3_S0	Slot:6	3.3V	ON	OFF	TBD	TBD
VCC4V0_SYS	RK806-1_PLDO5	0.3A	VCCIO_SD_S0	Slot:6	3.3V	ON	OFF	TBD	TBD
	RK806-1_PLDO6	0.3A	VCCA1V8_PLDO6_S3	Slot:3	1.8V	ON	ON	TBD	TBD
	RK806-1_NLDO1	0.3A	VDD_0V75_S3	Slot:2	0.75V	ON	ON	TBD	TBD
VCC_1V1_NLDC	RK806-1_NLDO2	0.3A	VDDA_DDR_PLL_S0	Slot:2	0.85V	ON	OFF	TBD	TBD
	RK806-1_NLDO3	0.5A	VDDA_0V75_S0	Slot:2	0.75V	ON	OFF	TBD	TBD
	RK806-1_NLDO4	0.5A	VDDA_0V85_S0	Slot:2	0.85V	ON	OFF	TBD	TBD
VCC_1V1_NLDC	RK806-1_NLDO5	0.3A	VDD_0V75_S0	Slot:2	0.75V	ON	OFF	TBD	TBD
VCC4V0_SYS	BUCK_RK860-2	6A	VDD_CPU_BIGO_S0	Slot:6A	0.75V	ON	OFF	TBD	TBD
VCC4V0_SYS	BUCK_RK860-3	6A	VDD_CPU_BIG1_S0	Slot:6A	0.75V	ON	OFF	TBD	TBD
VCC4V0_SYS	BUCK_RK860-2	6A	VDD_NPU_S0	Slot:6A	0.75V	ON	OFF	TBD	TBD
VCC4V0 SYS	EXT BUCK	2A	VCC_1V1_NLDO_S3	Slot:1	1.1V	ON	ON	TBD	TBD
VCC4V0_SYS	EXT BUCK	2A	VDD2L_0V9_DDR_S3	Slot:5	0.9V	ON	ON	TBD	TBD
VCC4V0_SYS	EXT BUCK	2.5A	VCC_3V3_SD_S0	Slot:6A	3.3V	ON	OFF	TBD	TBD
VCC 3V3 S3	EXT_BUCK	2A	VCC_1V2_CAM_S0	OFF	1.2V	OFF	OFF	TBD	TBD
VCC 3V3 S3	LDO_PT5108	0.5A	VCC_1V8_CAM_S0	OFF	1.8V	OFF	OFF	TBD	TBD
VCC_3V3_S3	LDO_PT5108	0.5A	VCC_2V8_CAM_S0	OFF	2.8V	OFF	OFF	TBD	TBD

# IO Power Domain Map

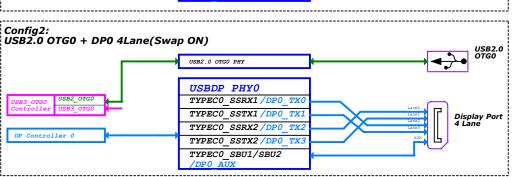
IO Domain	Pin Num	Support IO Voltage	Supply Power Pin Name	Power Source	IO Operating Voltage
PMUIO1	Pin N28	1.8V Only	PMUIO1_1V8	VCC_1V8_S3	1.8V
PMUIO2	Pin R27 Pin P28	1.8V or 3.3V	PMUIO2_1V8 PMUIO2	VCC_1V8_S3 VCC_3V3_S3	3.3V
EMMCIO	Pin V26	1.8V Only	EMMCIO_1V8	VCC_1V8_S0	1.8V
VCCI01	Pin G20	1.8V Only	VCCIO1_1V8	VCC_1V8_50	1.8V
VCCIO2	Pin AA7 Pin Y7	1.8V or 3.3V	VCCIO2_1V8 VCCIO2	VCC_1V8_S0 VCC_IO_SD	1.8V/3.3V
VCCI03	Pin Y26	1.8V Only	VCCIO3_1V8	VCC_1V8_S0	1.8V
VCCIO4	Pin H20 Pin H21	1.8V or 3.3V	VCCIO4_1V8 VCCIO4	VCC_1V8_S0 VCC 1V8 S0	1.8V
VCCIO5	Pin W25 Pin W26	1.8V or 3.3V	VCCIO5_1V8 VCCIO5	VCC_1V8_S0 VCC_3V3_S0	3.3V
VCCIO6	Pin AC25 Pin AC26	1.8V or 3.3V	VCCIO6_1V8 VCCIO6	VCC_1V8_50 VCC_3V3_50	3.3V

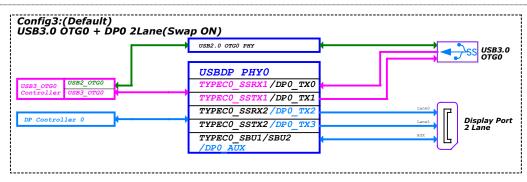


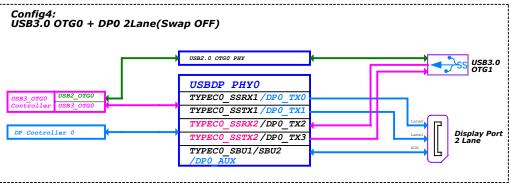
Controller	Pin Name	Type-C	DPx4Lane	Function	USB30 OTG+DPx2	Lane Function	USB20 OTG+DPx2	Lane Function	USB20 OTG+DPx4	Lane Function
Name	2 III Nume	Function	OPTION1	OPTION2	OPTION1	OPTION2	OPTION1	OPTION2	OPTION1	OPTION2
	TYPECO_SBU1/DPO_AUXP TYPECO_SBU2/DPO_AUXN	TYPECO_SBU1 TYPECO_SBU2	DPO_AUXP DPO_AUXN	DPO_AUXP DPO_AUXN	DPO_AUXP DPO_AUXN	DPO_AUXP DPO_AUXN	DPO_AUXP DPO_AUXN	DPO_AUXP DPO_AUXN	DP 0_AUXP DP 0_AUXN	DP0_AUXP DP0_AUXN
USB30 OTG0	TYPECO_SSRX1P/DPO_TX0P TYPECO_SSRX1N/DPO_TX0N	TYPECO_SSRXIP TYPECO_SSRXIN	DPO_TXOP DPO_TXON	DPO_TX2P DPO_TX2N	TYPECO_SSRXIP TYPECO_SSRXIN	DPO_TXOP DPO_TXON	DPO_TXOP DPO_TXON		DPO_TXOP DPO_TXON	DPO_TX2P DPO_TX2N
Device or Host	TYPECO_SSTX1P/DPO_TX1P TYPECO_SSTX1N/DPO_TX1N	TYPECO_SSTXIP TYPECO_SSTXIN	DPO_TXIP DPO_TXIN	DPO TX3P DPO TX3N	TYPECO_SSTXIP TYPECO_SSTXIN	DPO_TXIP DPO_TXIN	DPO_TXIP DPO_TXIN		DPO TXIP DPO TXIN	DPO_TX3P DPO_TX3N
	TYPECO_SSRX2P/DPO_TX2P TYPECO_SSRX2N/DPO_TX2N	TYPECO_SSRX2P TYPECO_SSRX2N	DPO_TX2P DPO_TX2N	DPO_TXOP DPO_TXON	DP0_TX2P DP0_TX2N	TYPECO_SSRX2P TYPECO_SSRX2N		DPO_TX2P DPO_TX2N	DP0_TX2P DP0_TX2N	DPO_TXOP DPO_TXON
	TYPECO_SSTX2P/DPO_TX3P TYPECO_SSTX2N/DPO_TX3N	TYPECO_SSTX2P TYPECO_SSTX2N	DPO_TX3P DPO_TX3N	DPO_TXIP DPO_TXIN	DP0_TX3P DP0_TX3N	TYPECO_SSTX2P TYPECO_SSTX2N		DP0_TX3P DP0_TX3N	DP0_TX3P DP0_TX3N	DPO_TXIP DPO_TXIN
USB20 OTG0 Device or Host	TYPECO_USB2O_OTG_DP TYPECO_USB2O_OTG_DM	TYPECO USB20 OTG DP TYPECO USB20 OTG DM			TYPECO USB20 OTG DP TYPECO USB20 OTG DM	TYPECO USB20 OTG DP TYPECO USB20 OTG DM	TYPECO USB20 OTG D			
	TYPECI_SBU1/DP1_AUXP TYPECI_SBU2/DP1_AUXN	TYPEC1_SBU1 TYPEC1_SBU2	DP1_AUXP DP1_AUXN	DP1_AUXP DP1_AUXN	DP1_AUXP DP1_AUXN	DP1_AUXP DP1_AUXN	DP1_AUXP DP1_AUXN	DP1_AUXP DP1_AUXN	DP1_AUXP DP1_AUXN	DP1_AUXP DP1_AUXN
	TYPECI_SSRXIP/DPI_TX0P TYPECI_SSRXIN/DPI_TX0N	TYPECI_SSRXIP TYPECI_SSRXIN	DP1_TXOP DP1_TXON	DP1_TX2P DP1_TX2N	TYPECI_SSRXIP TYPECI_SSRXIN	DP1_TXOP DP1_TXON	DP1_TX0P DP1_TX0N		DP1_TX0P DP1_TX0N	DP1_TX2P DP1_TX2N
USB30 OTG1 Device or Host	TYPECI_SSTXIP/DPI_TXIP TYPECI_SSTXIN/DPI_TXIN	TYPECI_SSTXIP TYPECI_SSTXIN	DP1_TX1P DP1_TX1N	DP1 TX3P DP1 TX3N	TYPECI SSTXIP TYPECI SSTXIN	DP1 TX1P DP1 TX1N	DP1_TX1P DP1_TX1N		DPI_TXIP DPI_TXIN	DP1_TX3P DP1_TX3N
	TYPEC1_SSRX2P/DP1_TX2P TYPEC1_SSRX2N/DP1_TX2N	TYPEC1_SSRX2P TYPEC1_SSRX2N	DP1_TX2P DP1_TX2N	DP1_TX0P DP1_TX0N	DP1_TX2P DP1_TX2N	TYPEC1_SSRX2P TYPEC1_SSRX2N	_	DP1_TX2P DP1_TX2N	DP1_TX2P DP1_TX2N	DP1_TX0P DP1_TX0N
	TYPECI_SSTX2P/DPI_TX3P TYPECI_SSTX2N/DPI_TX3N	TYPECI_SSTX2P TYPECI_SSTX2N	DP1_TX3P DP1_TX3N	DP1_TX1P DP1_TX1N	DP1_TX3P DP1_TX3N	TYPEC1_SSTX2P TYPEC1_SSTX2N		DP1_TX3P DP1_TX3N	DP1_TX3P DP1_TX3N	DPO_TXIP DPO_TXIN
USB20 OTG1 Device or Host	TYPEC1_USB20_OTG_DP TYPEC1_USB20_OTG_DM	TYPEC1_USB20_OTG_DP TYPEC1_USB20_OTG_DM			TYPEC1_USB20_OTG_DP TYPEC1_USB20_OTG_DM	TYPEC1_USB20_OTG_DP TYPEC1_USB20_OTG_DM	TYPEC1_USB20_OTG_DP TYPEC1_USB20_OTG_DM	TYPEC1_USB20_OTG_DP TYPEC1_USB20_OTG_DM	TYPEC1_USB20_OTG_DP TYPEC1_USB20_OTG_DM	TYPEC1_USB20_OTG_D TYPEC1_USB20_OTG_D
				ION1 HOST	OPTION2 USB30 HOST	OPTION3 USB30 HOST				
	PCIE20_2 TXP/SATA30_2_ TXP/USB30_2_SSTXP		USB30 2	corvo	USB30 2 SSTXP	USB30 2 SSTXP	İ			
USB30 HOST2	PCIE20_2 TXN/SATA30_2_ TXN/USB30_2_SSTXN		USB30_2	SSTXN	USB30_2_SSTXN	USB30_2_SSTXN				
COLOU HOSTZ	PCIE20_2 RXP/SATA30_2_ RXP/USB30_2_SSRXP		USB30_1 USB30_2	SSRXP	USB30 2 SSRXP USB30 2 SSRXN	USB30 2 SSRXP USB30 2 SSRXN	İ			
	PCIE20 2 RXN/SATA30_2_ RXN/USB30_2_SSRXN		05830_2		03230_2_SSXXX	5335 <u></u> _SSRM	Note:			1
USB20 HOSTO	USB20_MOST0_DP USB20_MOST0_DM		USB20_1 USB20_1	IOSTO_DP IOSTO_DM			DP Lane swa	p enable /3 TxData mapping to /3 TxData mapping to	Lane0/1/2/3_TXDP/N Lane2/3/0/1 TXDP/N	
USB20 HOST1	USB20_HOST1_DP USB20_HOST1_DM				USB20 HOST1 DP USB20 HOST1 DM		i			لبيا
		1				TYPEC1 USB20 OTG DP	İ			



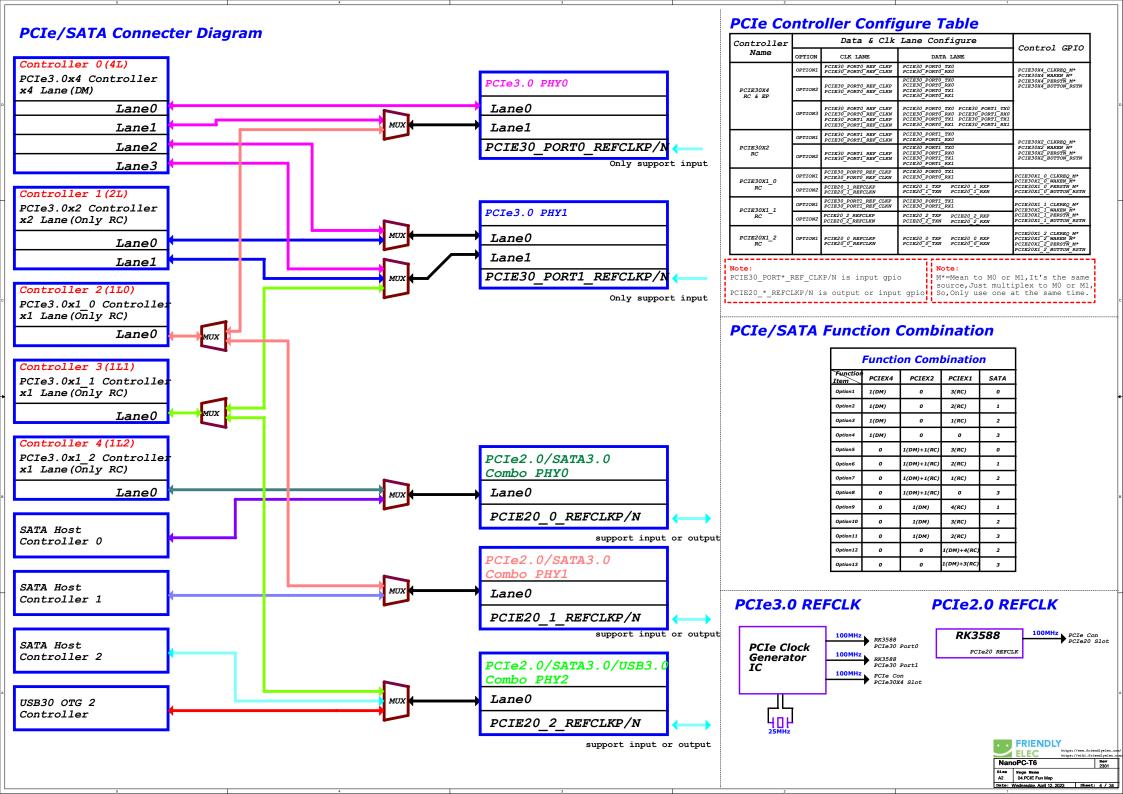
**USB Controller Configure Table** 



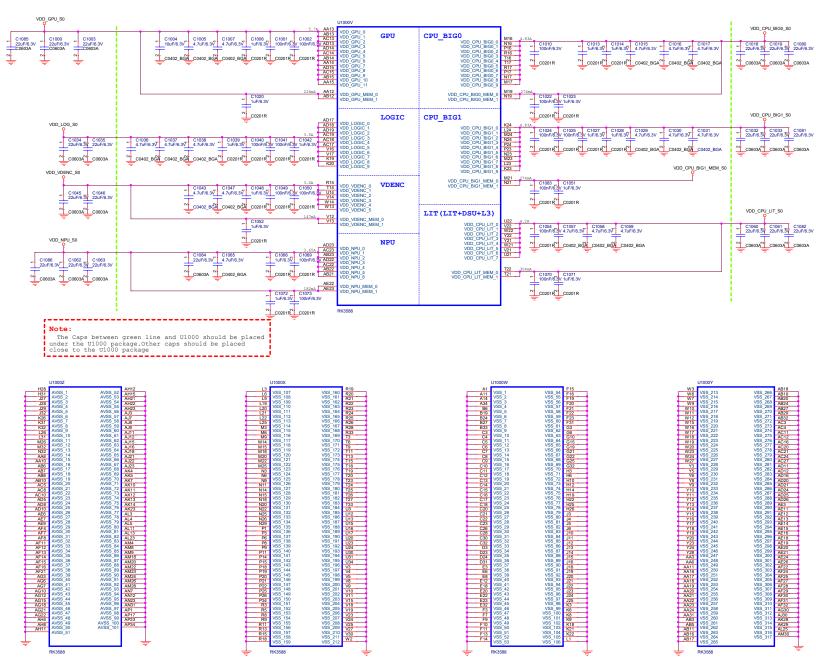




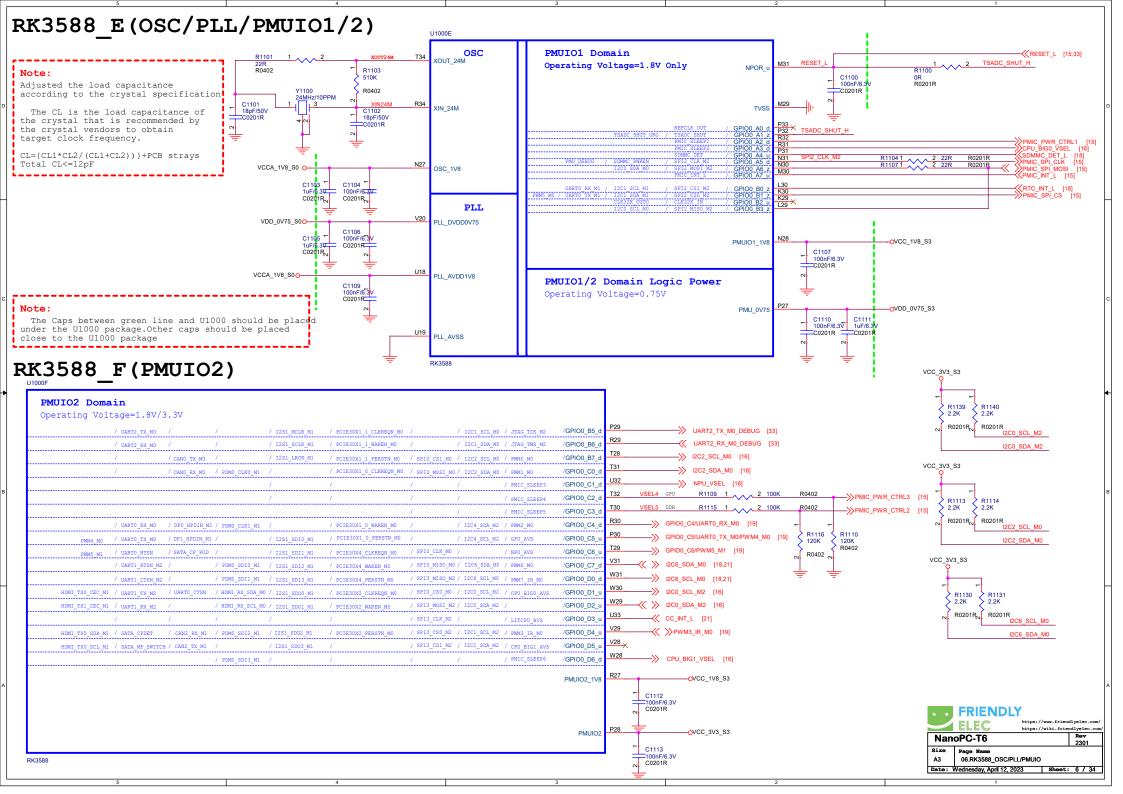


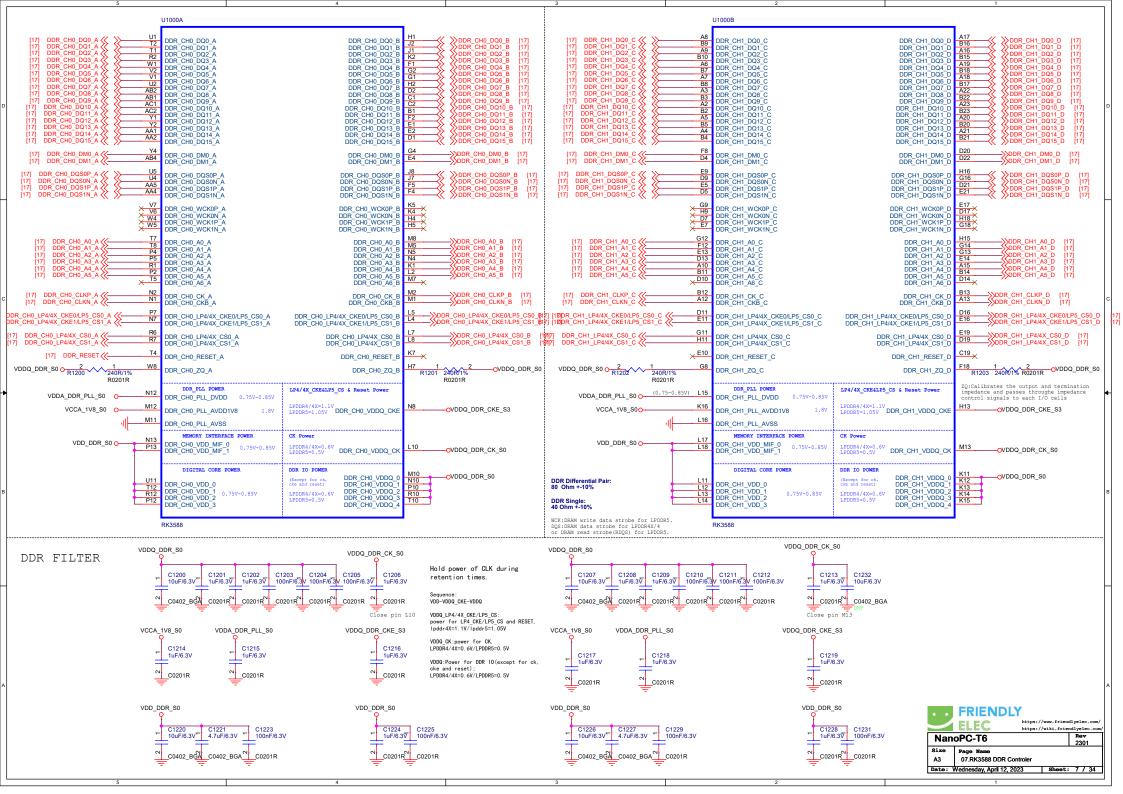


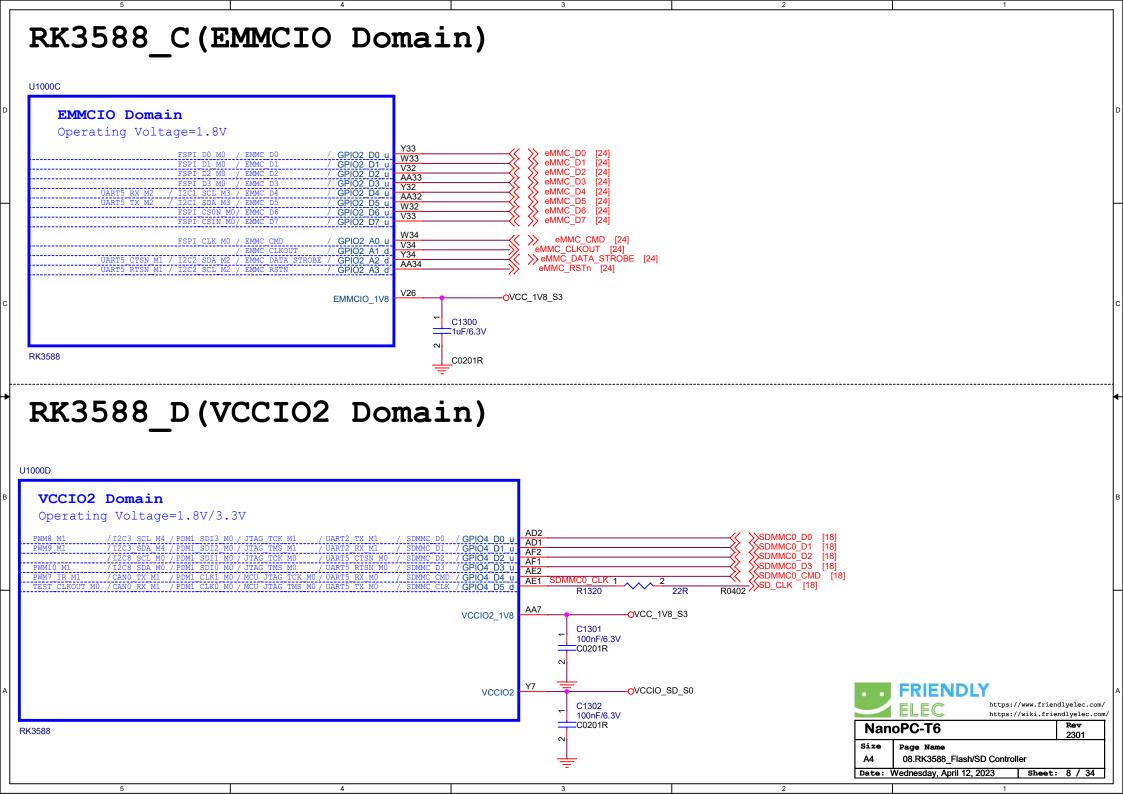
# RK3588\_V (POWER)

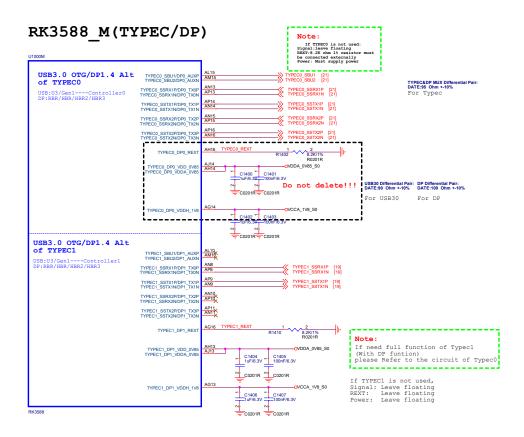








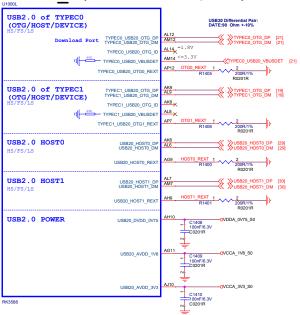




#### USB30/DP1.4 Alt Mode Configuration

Option1	DP x4Lane	DP_TX_Lane0-3
Option2	USB30 x4Lane	DP_TX_Lane0-3
Option3	USB30X2Lane+DPX2Lane	USB30:Lane0 Lane1 DP:Lane2 Lane3
Option4	USB30X2Lane+DPX2Lane	USB30:Lane2 Lane3 DF:Lane0 Lane1

### RK3588 L(USB2.0 HOST/OTG)

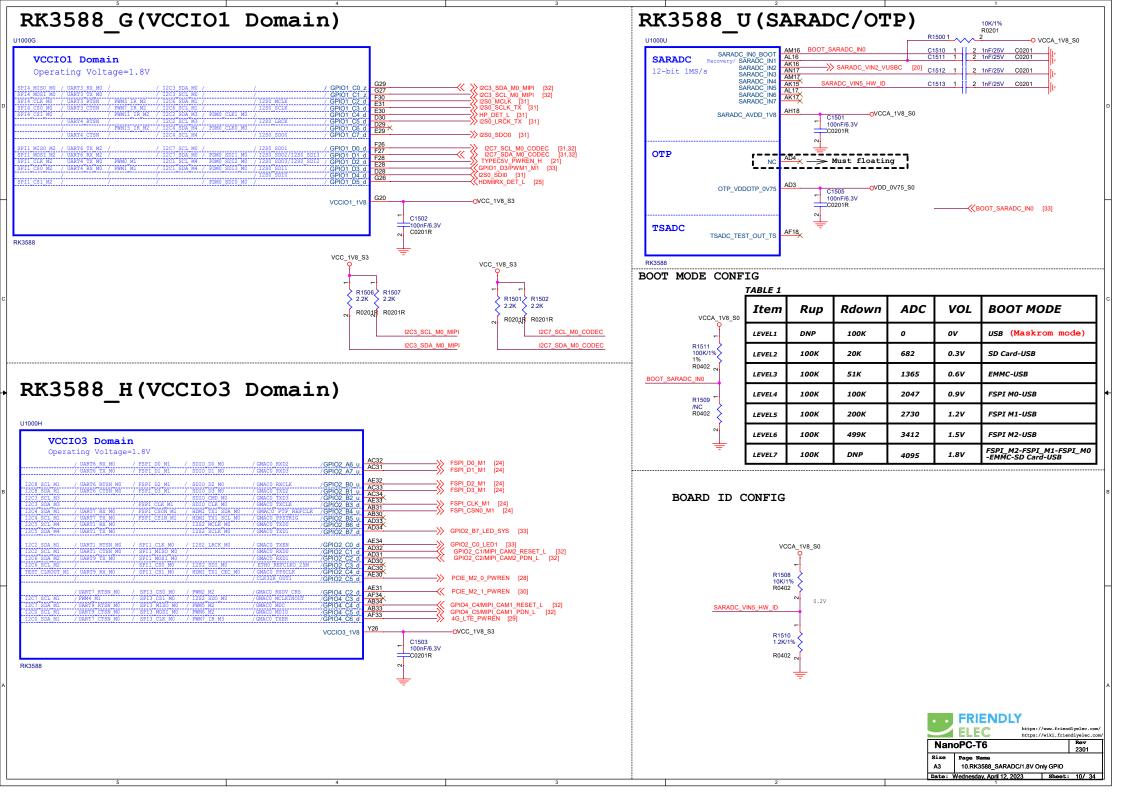


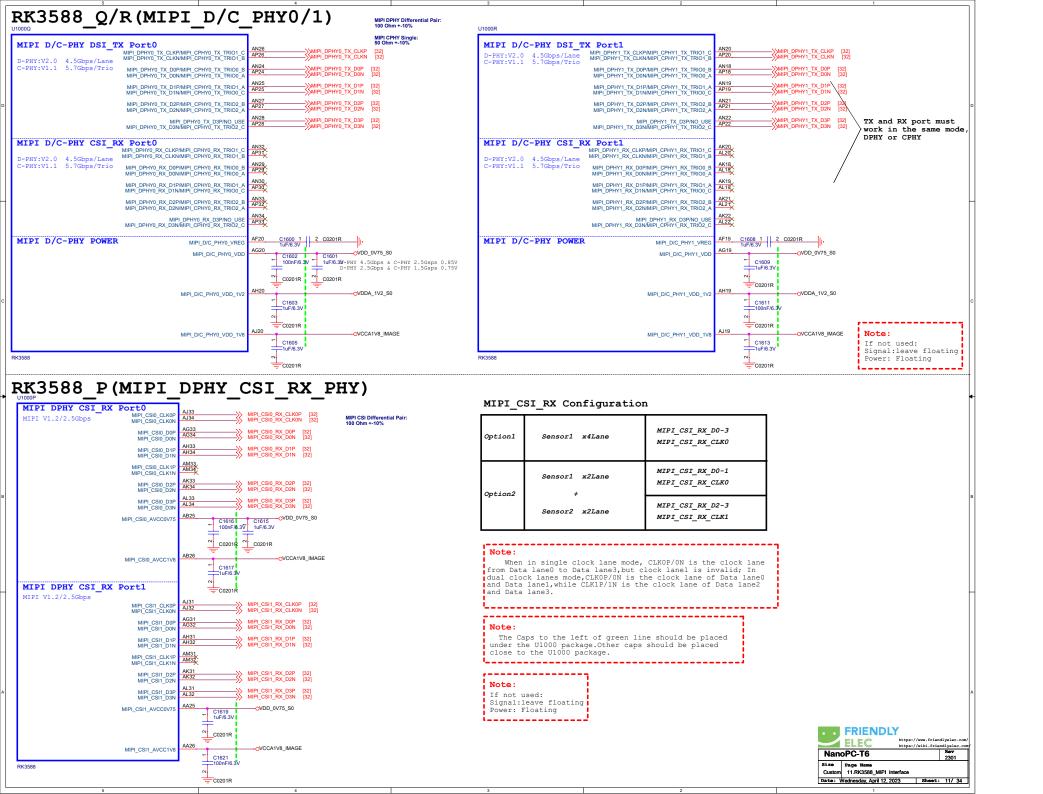


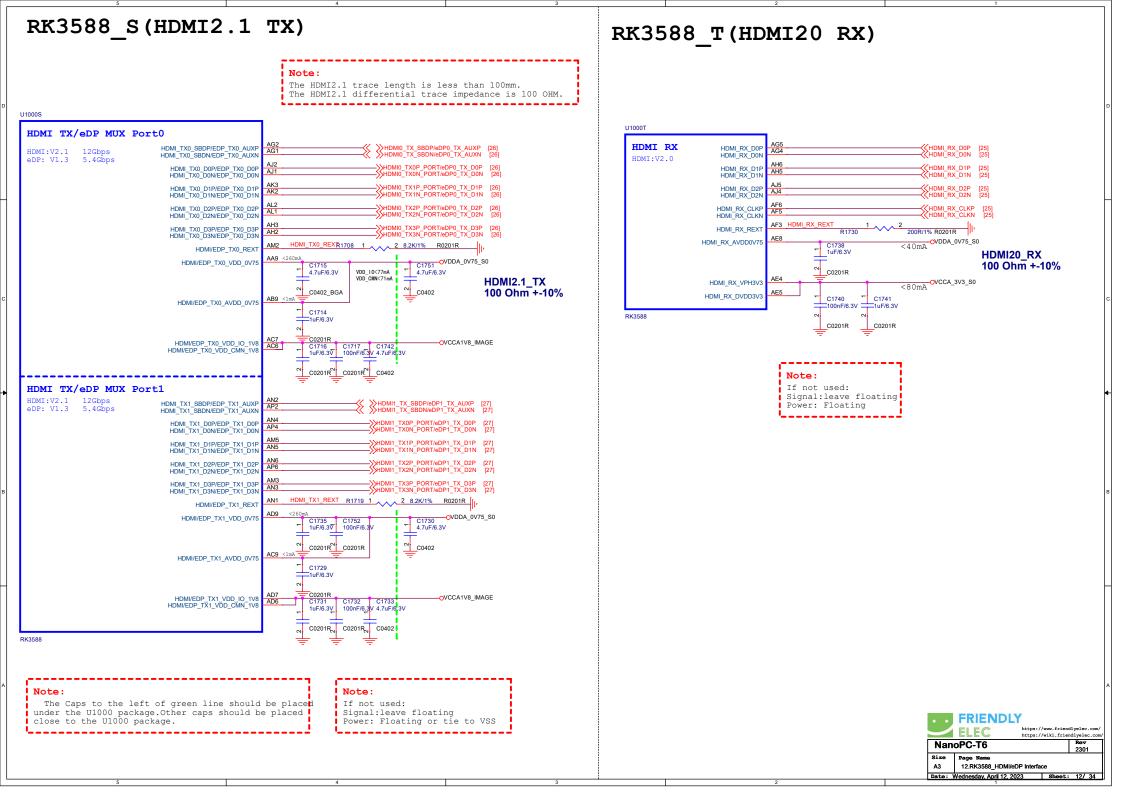
#### Note:

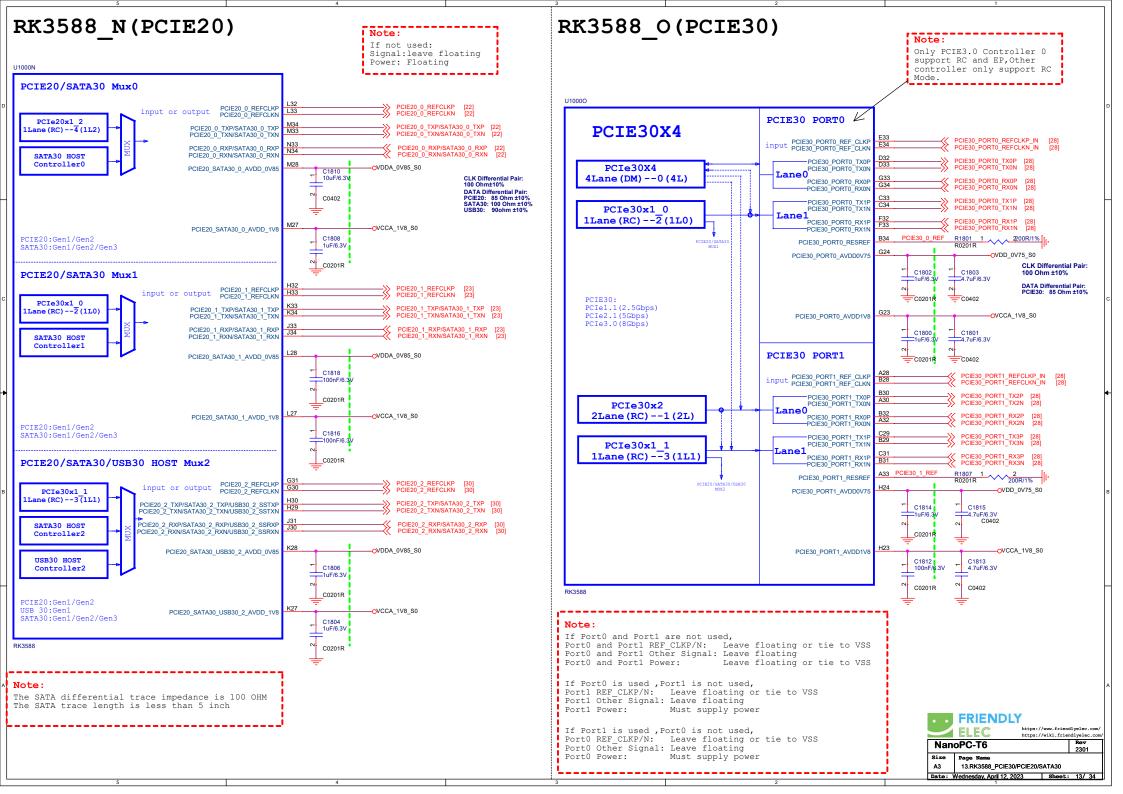
The USB20 VBUSDET pin internal has a pull-down resistance (40K ohm) to ground, The resistance creates a voltage with the external series 30K ohm resistor. The VBUSDETpin voltage range <=3.3V.



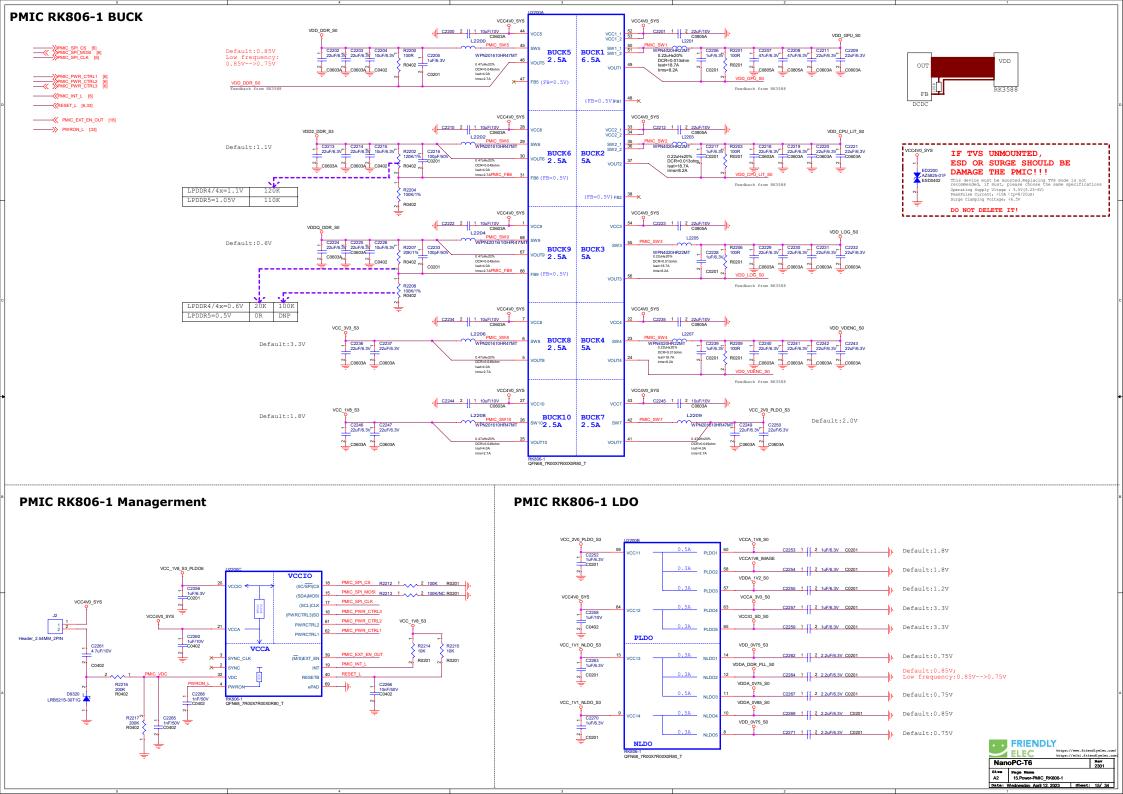


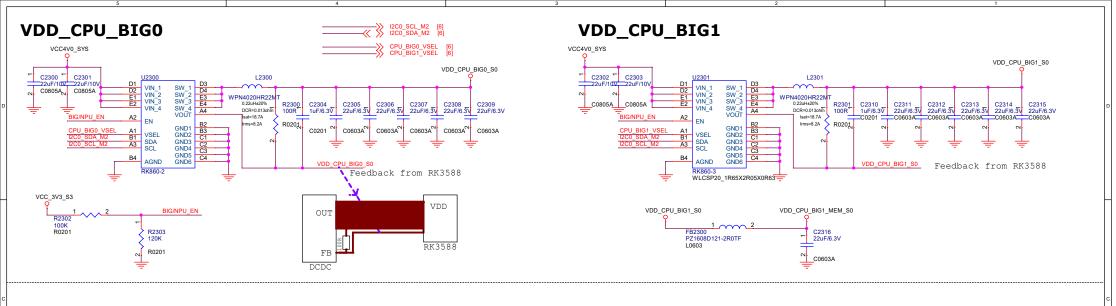




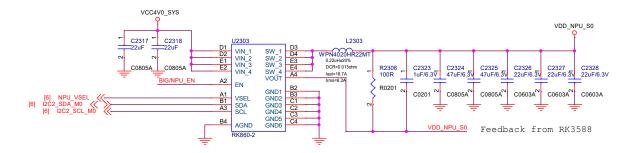




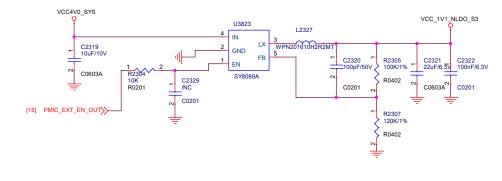




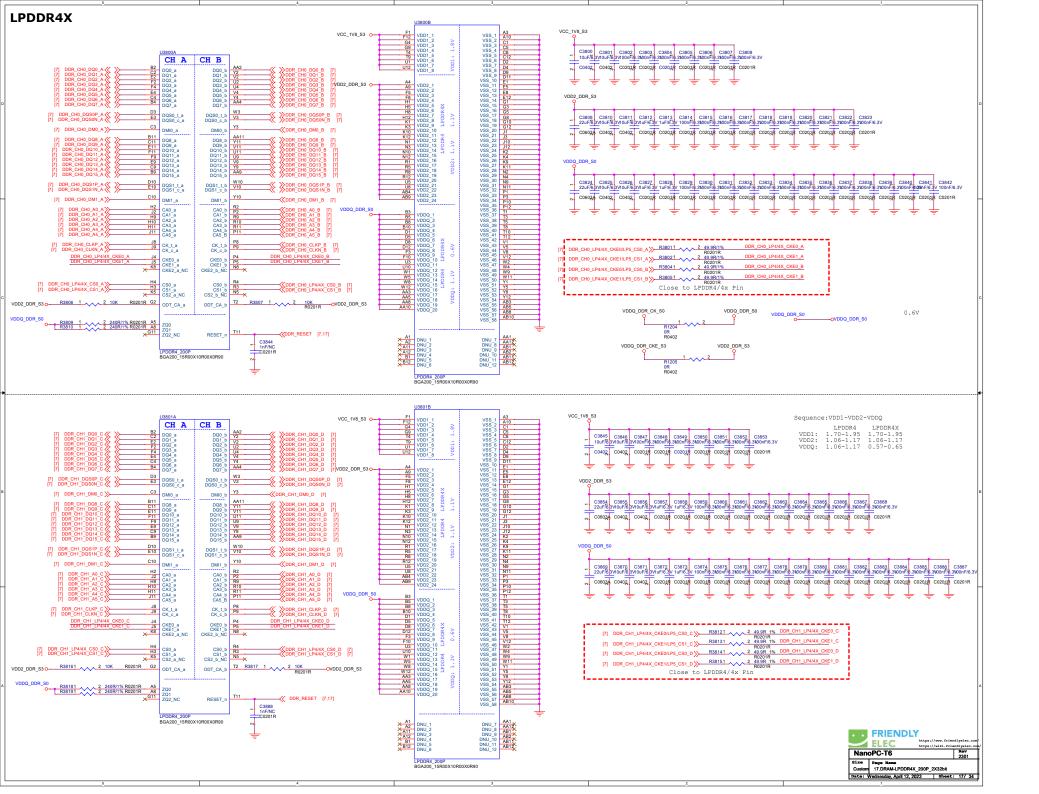
## VDD\_NPU



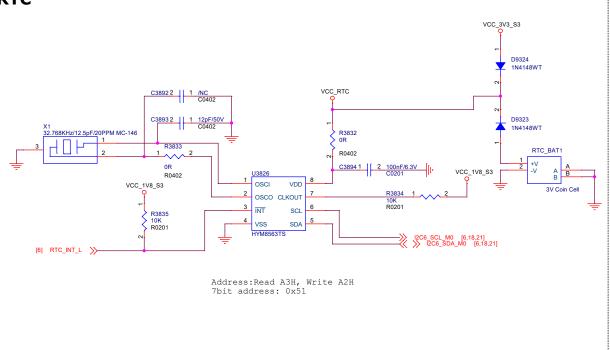
## VCC\_1V1\_NLDO\_S3



ز	FRIENDLY ELEC	https://		llyelec.com/
Nar	noPC-T6			Rev 2301
Size	Page Name		-	
A3	16.Power_Ext Discrete	;		
Date:	Wednesday, April 12, 202	3	Sheet:	16/ 34



# **EUI-48 Node Identity** VCC\_3V3\_S3 VCC\_3V3\_S3 100nF/6.3V C0201 R160 R161 U17 SCL VSS SDA 24AA025E48T-I/OT 2K EEPROMs with EUI-48 Node Identity Unmounted R10019 R10018 GND /NC R0201 /NC R0201 7 bit address: 0x53 RTC VCC\_3V3\_S3



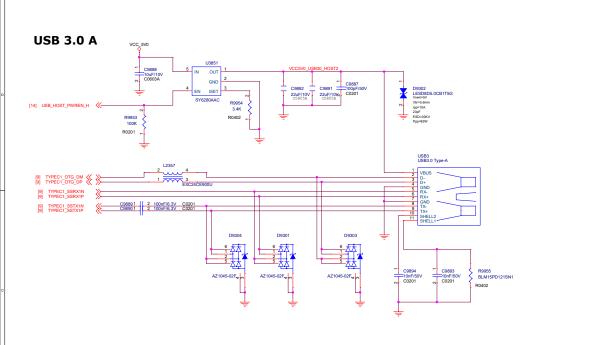
## microSD VCC\_3V3\_S3 AO3415A VCC3V3\_SD\_S0 C3889 100nF/6.3V \_ Rds = 41mho@Vgs=-4.5V Vds = -20V R3824 10K R0201 R3825 100K R0201 [14] SDMMC\_PWREN « >>-VCC3V3\_SD\_S0 C3890 10uF/6.3V C3891 100nF/6.3V **₹** MICROSD1 M2 S3 DAT2 CD/DAT3 CMD VDD [8] SD\_CLK CLK VSS DAT0 DAT1 CD MicroSD-A102-206017-001 D2202 D2201 SD\_CLK VCC3V3\_SD\_S0 AZ1045-04F AZ1045-04F

FRIENDLY

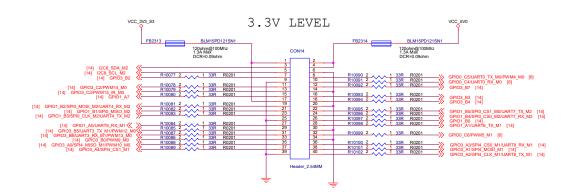
Date: Wednesday, April 12, 2023 | Sheet: 18/34

NanoPC-T6
Size Page Name
A3 18.RTC/microSD

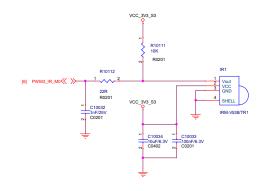
https://wiki.friendlyelec.c



#### GPIO



#### **IR Receiver**



UART0	3.3V	GPIO	UART9	/	NC
UART1	/	NC			
UART2	3.3V	Debug Console			
UART3	3.3V	GPIO			
UART4	3.3V	GPIO			
UART5	/	NC			
UART6	3.3V	GPIO			
UART7	3.3V	GPIO			
UART8	3.3V	GPIO			

3.3V	RK860-3(CPU0), RK860-2(CPU1)		
/	NC		
3.3V	RK860-2 (NPU)		
1.8V	MIPI CSI 1		
3.3V	MIPI DSI 2 Touch		
3.3V	MIPI DSI 1 Touch		
3.3V	24AA025E48T-I/OT, HYM8563TS, FUSB302MPX		
1.8V	Codec, MIPI CSI 2		
3.3V	GPIO		
	/ 3.3V 1.8V 3.3V 3.3V 3.3V 1.8V		

PWM0	/	NC	PWM9	3.3V	GPIO
PWM1	1.8V	FAN	PWM10	3.3V	GPIO
PWM2	3.3V	LCD BL PWM	PWM11	3.3V	LCD2 BL PWN
PWM3	3.3V	IR	PWM12	3.3V	GPIO
PWM4	3.3V	GPIO	PWM13	3.3V	GPIO
PWM5	3.3V	GPIO	PWM14	3.3V	GPIO
PWM6	/	NC	PWM15	3.3V	GPIO
PWM7	/	NC			
PWM8	/	NC			

PIO	3.3V	GPIO
PI1	/	NC
PI2	/	NC
PI3	/	NC
PI4	3.3V	GPIO

I2S0	1.8V	ALC5616 Codec
I2S1	/	NC
I2S2	3.3V	GPIO
I2S3	3.3V	GPIO

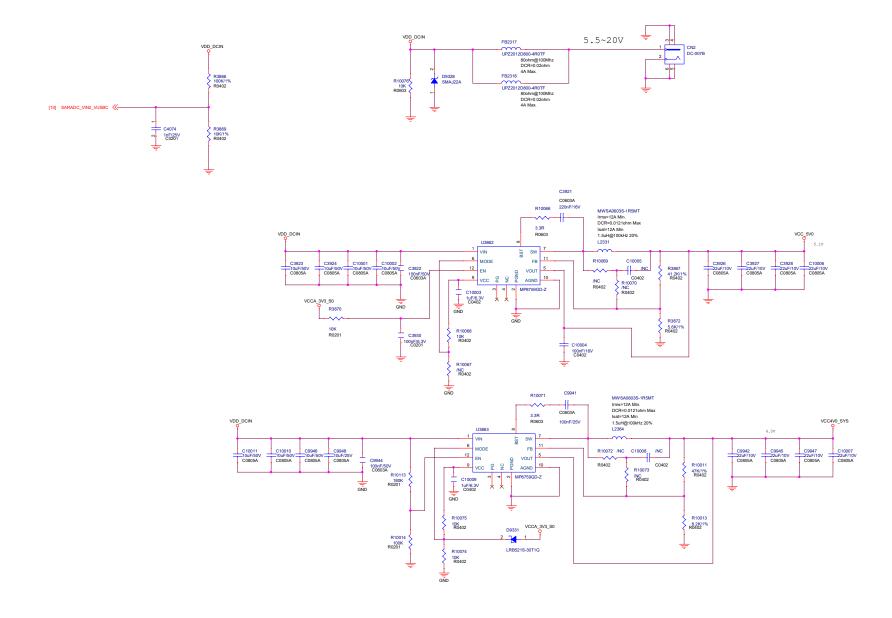
CAN0	/	NC
CAN1	3.3V	GPIO
CAN2	/	NC

SPDIF0	/	NC
SPDIF1	/	NC

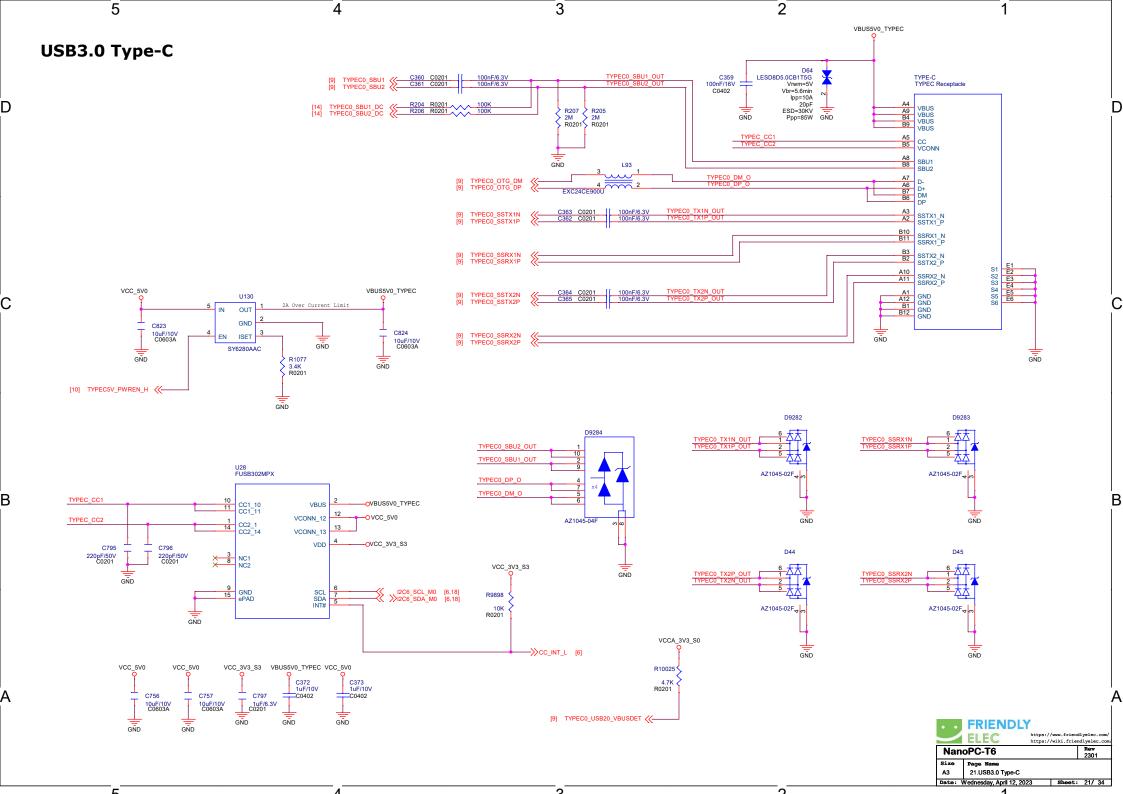
SDIO	/	NC

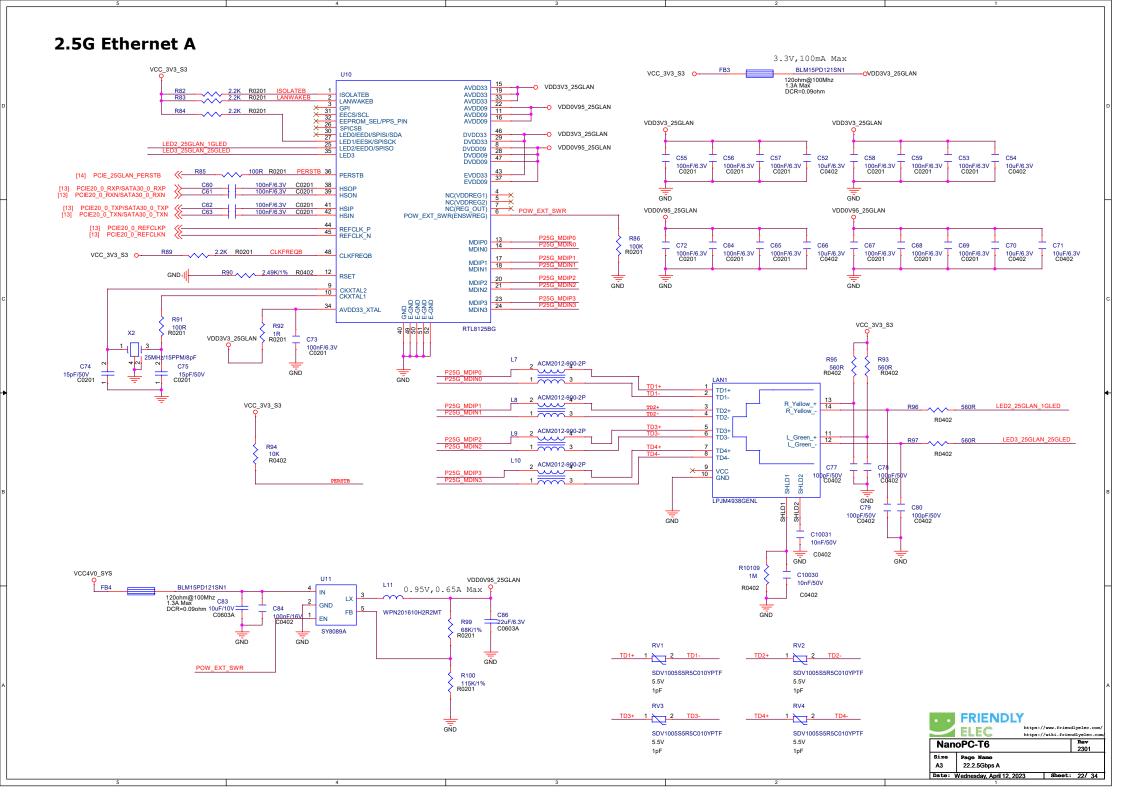


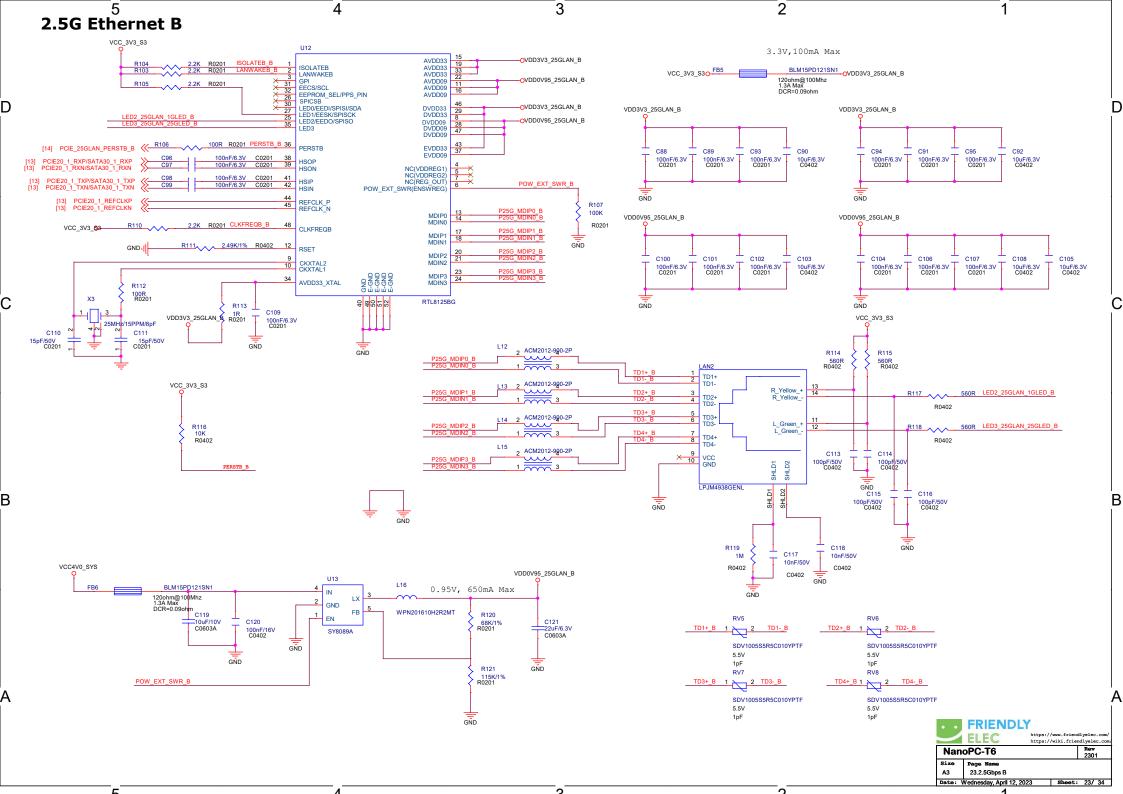
#### Power IN

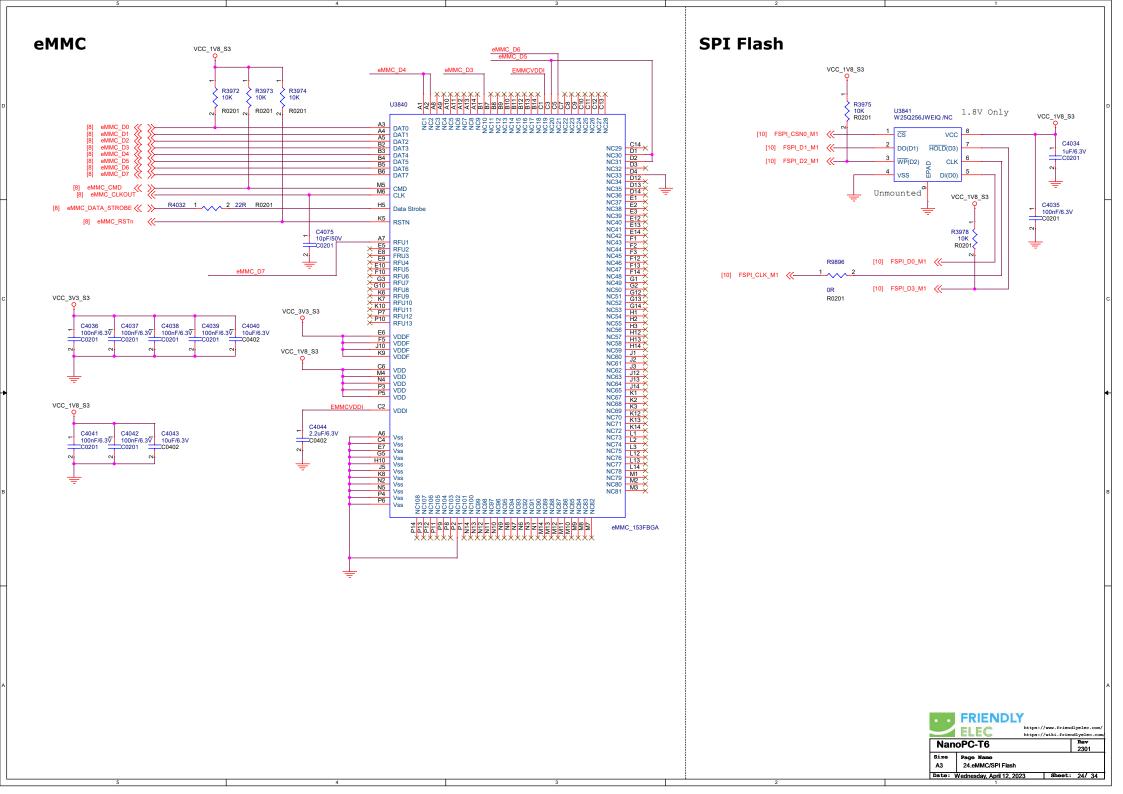


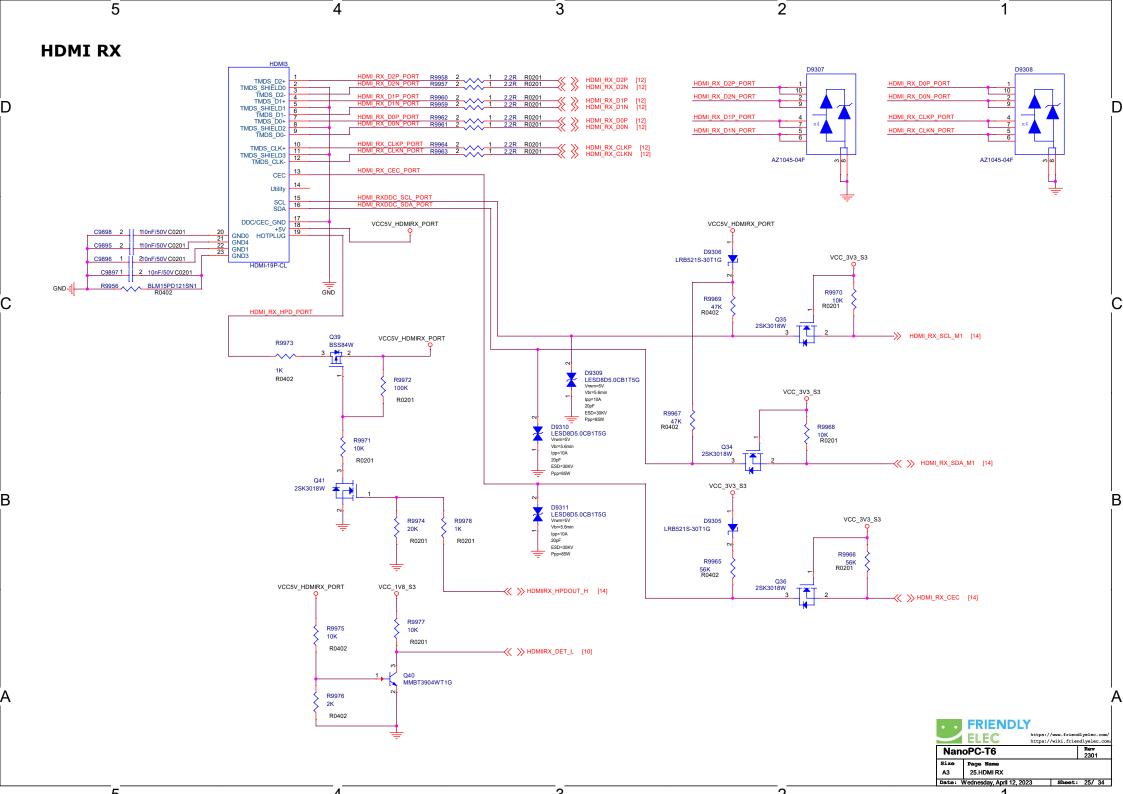




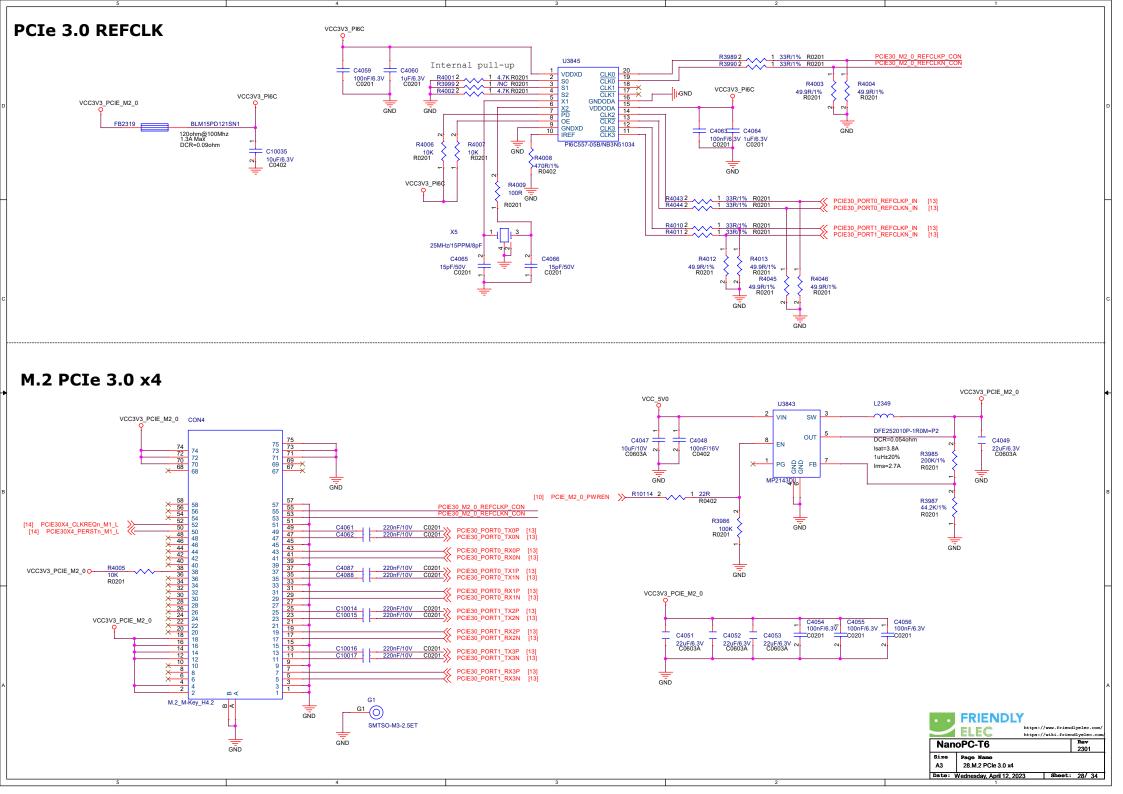


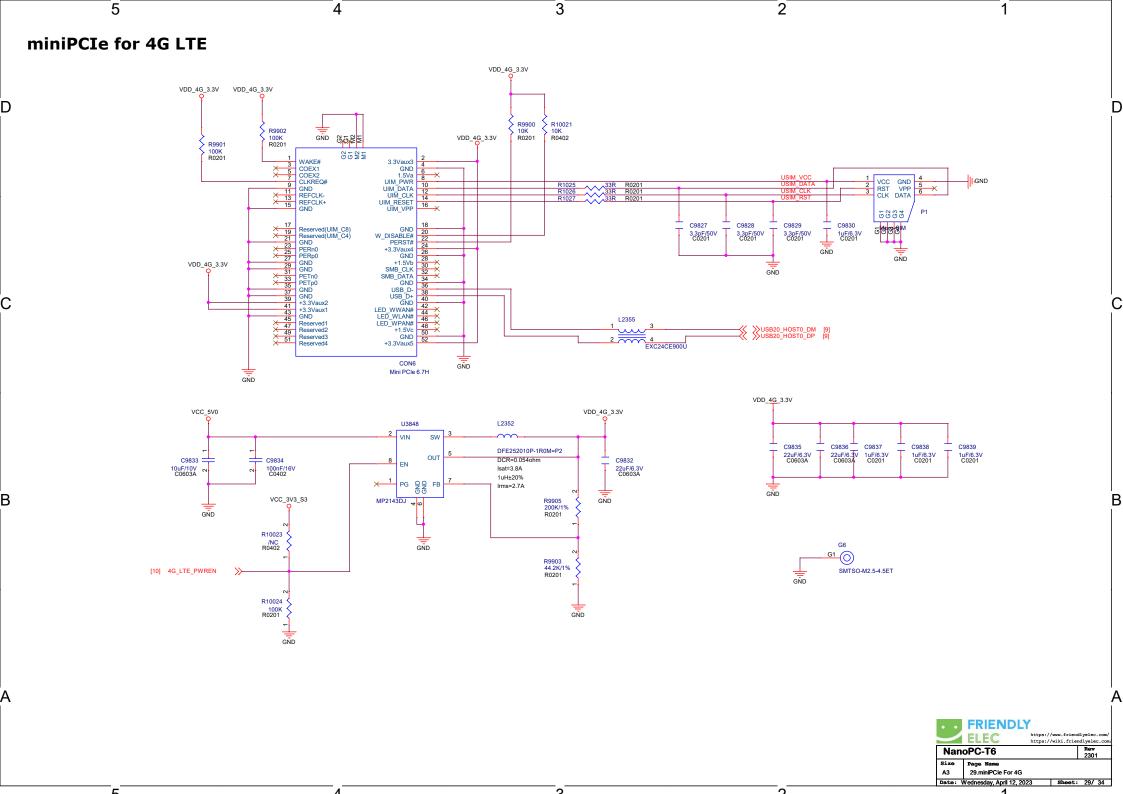




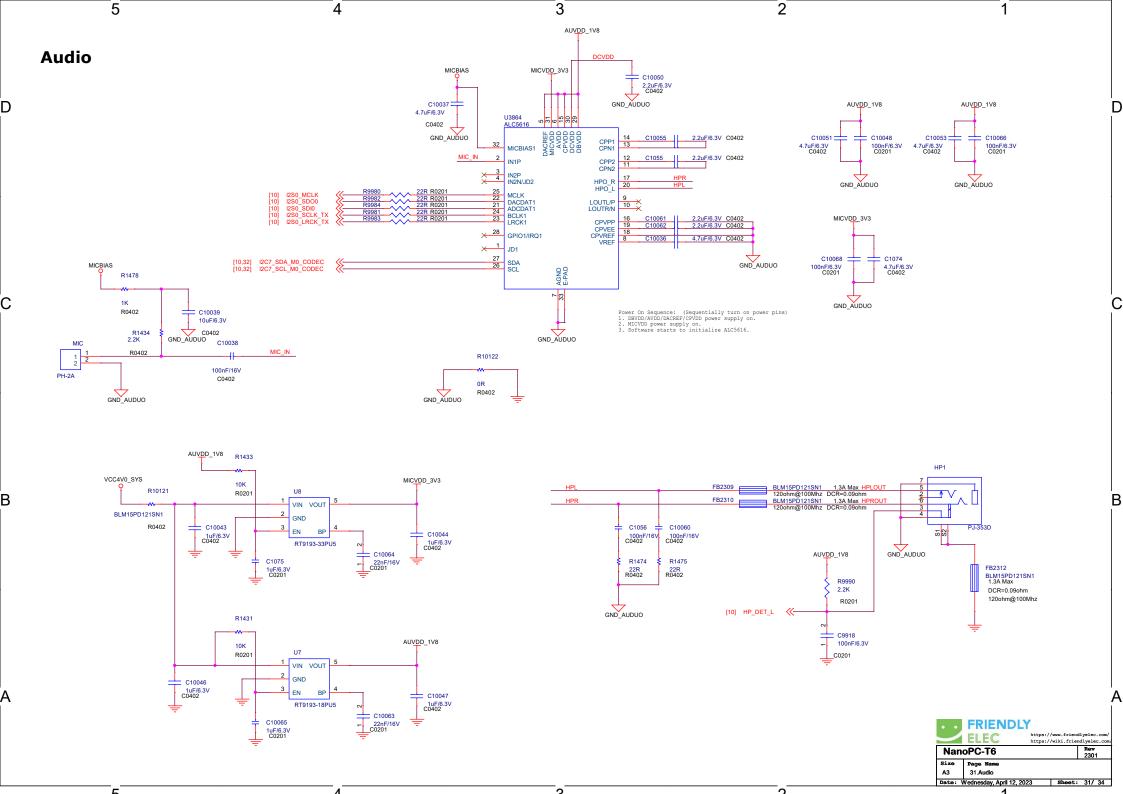


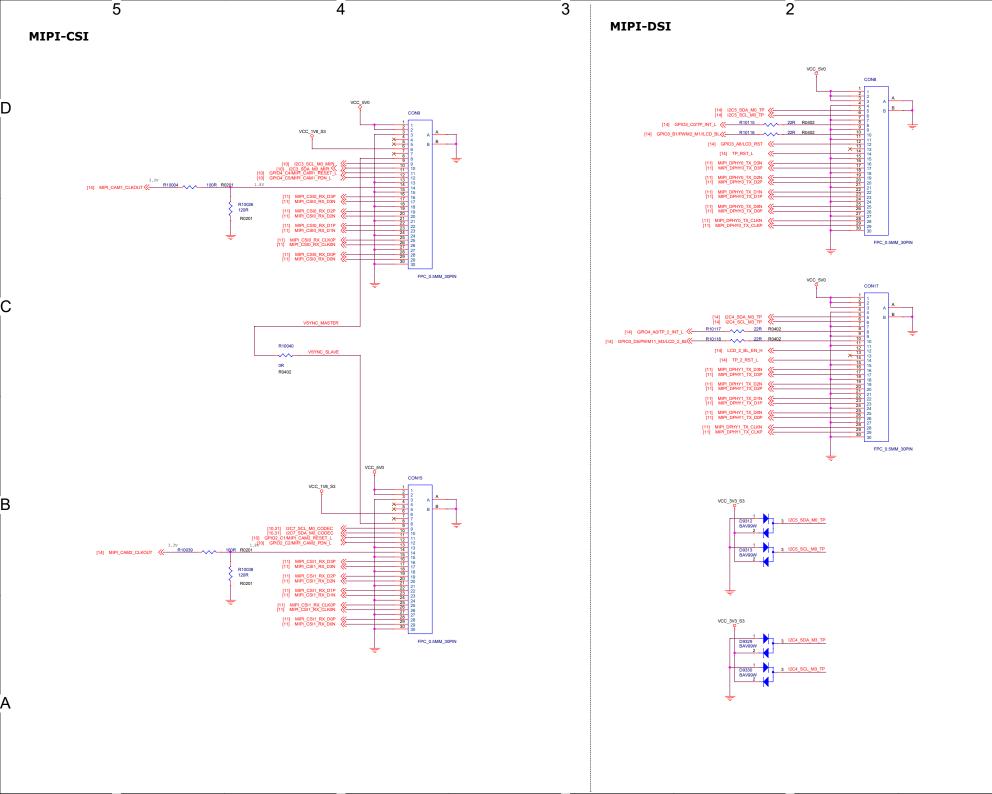
#### **HDMI TX0** VCC\_5V0 D2235 LRB521S-30T1G VCC\_3V3\_S3 HDMI1 HDMI0\_TX2P\_PORT C9863 1 2 220nF/10V C0201 2 220nF/10V C0201 TMDS\_SHIELD0 TMDS\_D2-R4014 R4015 10K R0201 TMDS\_D1+ TMDS\_SHIELD1 2 220nF/10V C0201 1.8K R0402 TMDS\_D1-TMDS\_D0+ TMDS\_SHIELD2 2SK3018W [14] HDMITX0\_SCL\_M0 <<-TMDS\_D0-TMDS\_CLK+ TMDS\_SHIELD3 VCC\_3V3\_S3 TMDS\_CLK-R9918 CEC HDMI0\_TX\_SBDP Utility HDMI0\_TX\_SCL\_PORT SCL R0201 C9860 SDA R4017 100pF/50V C0201 R4019 10K R0201 DDC/CEC\_GND 1.8K R0402 D2237 LESD8D5.0CB1T5G Vrwm=5V HOTPLUG GND0 GND4 22 GND1 23 Q17 2SK3018W Vbr=5.6min D9287 LESD8D5.0CB1T5G D9286 LESD8D5.0CB1T5G GND3 Ipp=10A [14] HDMITX0\_SDA\_M0 >> 20pF HDMI-19P-CL GND R0402 Ppp=85W Ipp=10A Ipp=10A GND VCC\_3V3\_S3 20p8 D2239 LESD8D5.0CB1T5G ESD=30KV ESD=30KV D9288 VCC5V\_HDMI\_TX0 D2238 Ppp=85W Ppp=85W LESD8D5.0CB1T5C D9285 HDMI0\_TX2P\_PORT Ipp=10A B5817WS VCC\_3V3\_S3 Vbr=5.6min HDMI0\_TX2N\_PORT Ipp=10A ESD=30KV LRB521S-30T1G/NC SMD0603-050 HDMI0\_TX1P\_PORT ESD=30KV HDMI0\_TX1N\_PORT R4021 C9859 R4022 27K R0201 1uF/10V C0402 27K/NC R0402 D2243 LESD8D5.0CB1T5G ESD73034D 2SK3018W Vbr=5.6min [14] HDMITX0\_CEC\_M0 « >>-Ipp=10A ESD=30KV C9861 1 2 1uF/6.3V C0201 [12] HDMI0\_TX\_SBDP/eDP0\_TX\_AUXP « >>-HDMI0\_TX0P\_PORT D9289 C9862 1 2 1uF/6.3V C0201 [12] HDMI0\_TX\_SBDN/eDP0\_TX\_AUXN 《 >>-HDMI0 TX1P PORT HDMI0\_TX0P\_PORT VCC\_3V3\_S3 HDMI0\_TX0N\_PORT HDMI0\_TX2P\_PORT HDMI0\_TX2N\_PORT HDMI0\_TX3P\_PORT HDMI0\_TX3N\_PORT R9919 R9920 10K R0201 10K R0201 R9923 R9924 R9925 R9926 R9927 R9928 R9929 R9930 ESD73034D 499R 499R R0201 R0201 499R 499R R0201 R0201 499R 499R R0201 R0201 [14] HDMITX0\_HPDIN\_M0 « >>-019 2SK3018W Q22 WNM6002-3/TR Q21 WNM6002-3/TR Q24 WNM6002-3/TR 023 WNM6002-3/TR Q20 R9922 2SK3018W [14] HDMI0\_TX\_ON\_H « >> R9921 R0201 FRIENDLY 47K R0201 https://wiki.friendlyelec. NanoPC-T6 Page Name 26.HDMI TX0 Date: Wednesday, April 12, 2023 Sheet: 26/34





3 M.2 Key E VDD\_MPCIE\_3.3V CON10 VCC\_3V3\_S3 RESERVED/REFCLKN1 73 × 71 × 71 3.3V 3.3V UIM Power In/GPIO1/PEWake1# RESERVED/REFCLKP1 GND R10027 Reserved/PERn1 Reserved/PERp1 R0201 Reserved/PETn1 Reserved/PETITI Reserved/PETp1 GND PEWake0# (IO)(0/3.3V) [14] PCle\_WIFI\_DISABLEn Reserved/W\_DISABLE#2 (O)(0/3.3V) PERST0# (O)(0/3.3V) CLKREQ0# (IO)(0/3.3V)
GND
REFCLKN0
REFCLKP0 [14] PCIE\_WIFI\_PERSTn PCIE20\_2\_REFCLKN [13] PCIE20\_2\_REFCLKP [13] GND PERn0 PCIE20\_2\_RXN/SATA30\_2\_RXN [13] PCIE20\_2\_RXP/SATA30\_2\_RXP [13] PERp0 GND 36 WART RTS (O)(0/1.8V) WART CTS (I)(0/1.8V) UART Tx (O)(0/1.8V) PETp0 33 GND 33 SDIO Reset(O)(0/1.8V)
SDIO Wake(I)(0/1.8V)
SDIO DAT3(IO)(0/1.8V)
SDIO DAT2(IO)(0/1.8V)
SDIO DAT2(IO)(0/1.8V)
15 UART Rx (I)(0/1.8V) UART Wake (I)(0/3.3V) GND LED#2 (I)(OD) PCM OUT/I2S SD OUT (O)(0/1.8V) SDIO DAT2(10)(0/1.8V) SDIO DAT1(10)(0/1.8V) SDIO DAT0(10)(0/1.8V) SDIO CMD(IO)(0/1.8V) L2354 VDD\_MPCIE\_3.3V SDIO CLK(O)(0/1.8V) GND 5 USB\_D-USB\_D+ 2 4 EXC24CE900U GND M.2\_Key\_E\_H4.2 GND GND G8 G1 (O) SMTSO-M3-2.5ET VDD\_MPCIE\_3.3V VCC\_5V0 VDD\_MPCIE\_3.3V U3849 L2353 SW DFE252010P-1R0M=P2 OUT DCR=0.054ohm C9846 C9847 C9845 C9848 C9849 C9850 C9851 C9852 10uF/10V C0603A 100nF/16V C0402 22uF/6.3V C0603A Isat=3.8A 22uF/6.3V 1uF/6.3V C0603A C0201 22uF/6.3V C0603A 1uH±20% 1uF/6.3V C0201 PG QQ FB Irms=2.7A R9914 GND 200K/1% GND GND R0201 [10] PCIE\_M2\_1\_PWREN >> GND R9913 44.2K/1% R9915 R0201 100K R0201 **FRIENDLY** https://www.friendlyelec.co https://wiki.friendlyelec.com NanoPC-T6 Rev 2301 Size Page Name А3 30.M.2 for WiFi/BT Date: Wednesday, April 12, 2023 Sheet: 30/ 34





FRIENDLY
ELEC Man
NanoPC-T6
Size Page Name
A2 32.MIPI D/CPHY

