VERSION HISTORY

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Revision	Description	Date	Drawn
Ver 1.0	Releas version	2021/05/10	AWOL010
Ver 1.1	update VDD-SYS 、 HDMI-I2C	2021/11/24	AWOL010
% Ver 1.3%	update HDMI-12C . HDMI-CEC	2021/11/26	AWOLO10 AV AVS

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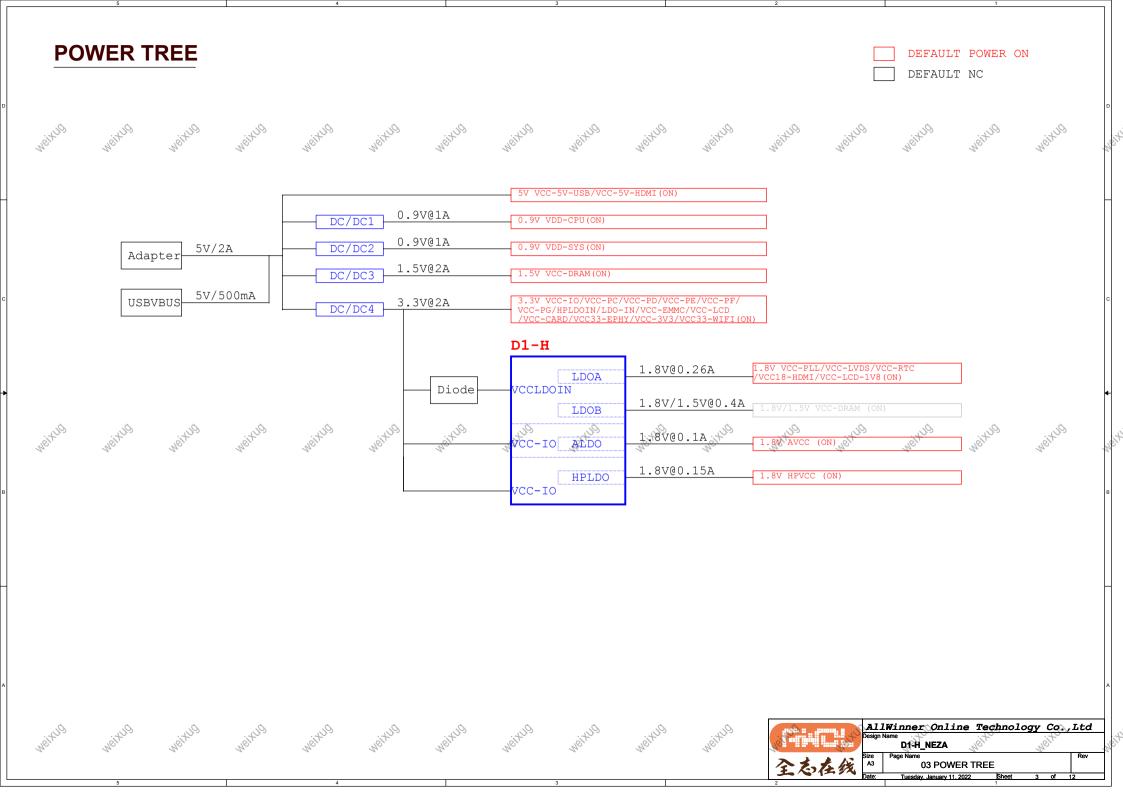
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BLOCK weitus ______ 24MHz outign s netus netus netus netus USB HOST TYPEA USB0 DCXO **USB OTG** TYPEC USB1 SDC1 XR829 WIFI&BT 32768Hz OSC 32K UART1 SDCARD SDC0 HPOUTL/F AEC HEADPHONE CTIA MICIN3 SPI0 SPI Nand/Nor D1-H LINEINL/R DDR3 16BIT*2 DRAMC MIPI-DSI **DISPLAY** KEY LRADC &CTP TWI RJ45 RTL8211F GMAC HDMI-A HDMI DEBUG NETUS UART0 netus netus neitus I2S/PDM-MIC&LED &KEY & LRADC 🗳 LDOA SUB-BOARD LEDC/TW1 1.8V 1.1V TWI PCF8574A DCIN 0.9V 40PIN SYSTEM GPIOs GPIO CONNECTOR DCDC*4 1.5V 3.3V 5V/3V3 **TYPEC** AllWinner Online Technology Co.,Ltd NEXTIS NEXTIS NEXTIS NEXTIS NEXTIS NEXTIS NEXTIS NEXTIS NEXTIS D1-H_NEZA Rev 02 BLOCK Tuesday, January 11, 2022 Sheet



GPIO ASSIGNMENT

40 PIN CONNECTOR

. d	FUNCTION3	FUNCTION2	DEFAULT	SOC.No	PIN		PIN	SOC.No	DEFAULT	FUNCTION2	FUNCTION3
47	o leitu	o leitu	3v3 _{ueixu}	, ieit	1	neit	2	autie	5V jeitus	"eixus	"GITUS
	4,	TWI2-SDA	GPIO1	PB1	3	1,	4	7.	5V	1,	7
		TWI2-SCK	GPIO2	PB0	5		6		GND		
	IR-RX	PWM	GPIO3	PD22	7		8	PB8	GPIO4	UART0-TXD	
			GND		9		10	PB9	GPIO5	UARTO-RXD	
			GPIO6	PP7	11		12	PB5	GPIO7	I2S2-BCLK	UART5-RX
			GPIO8	PP0	13		14		GND		
	PWM	IR-RX	GPIO9	PB12	15		16	PP1	GPIO10		
			3V3		17		18	PP2	GPIO11		
		SPI1-MOSI	GPIO12	PD12	19		20		GND		
	UART3-RTS	SPI1-MISO	GPIO13	PD13	21		22	PP4	GPIO14		
	UART3-RX	SPI1-CLK	GPIO15	PD11	23		24	PD10	GPIO16	SPI1-CE0	UART3-TX
			GND		25		26	PP3	GPIO17		
	UART3-CTS	SPI1-HOLD	GPIO18	PD14	27		28	PP5	GPIO19		
. (0	IR-RX	SPI1-WP	GPIO20	PD15	29		30	<i>\O_i</i>	GND	,Ò,	,0,
4	otion,	neith	GPIO21	PC1 neit	31	weit	32	PE17	NCNeith	IR-TX	neitus
	·		NC	-	33		34		GND	-	
	PWM	I2S2-LRCK	GPIO22	PB6	35		36		NC		
			GPIO23	PP6	37		38	PB3	GPIO24	I2S2-DIN	
			GND		39		40	PB4	GPIO25	I2S2-DOUT	UART5-TX

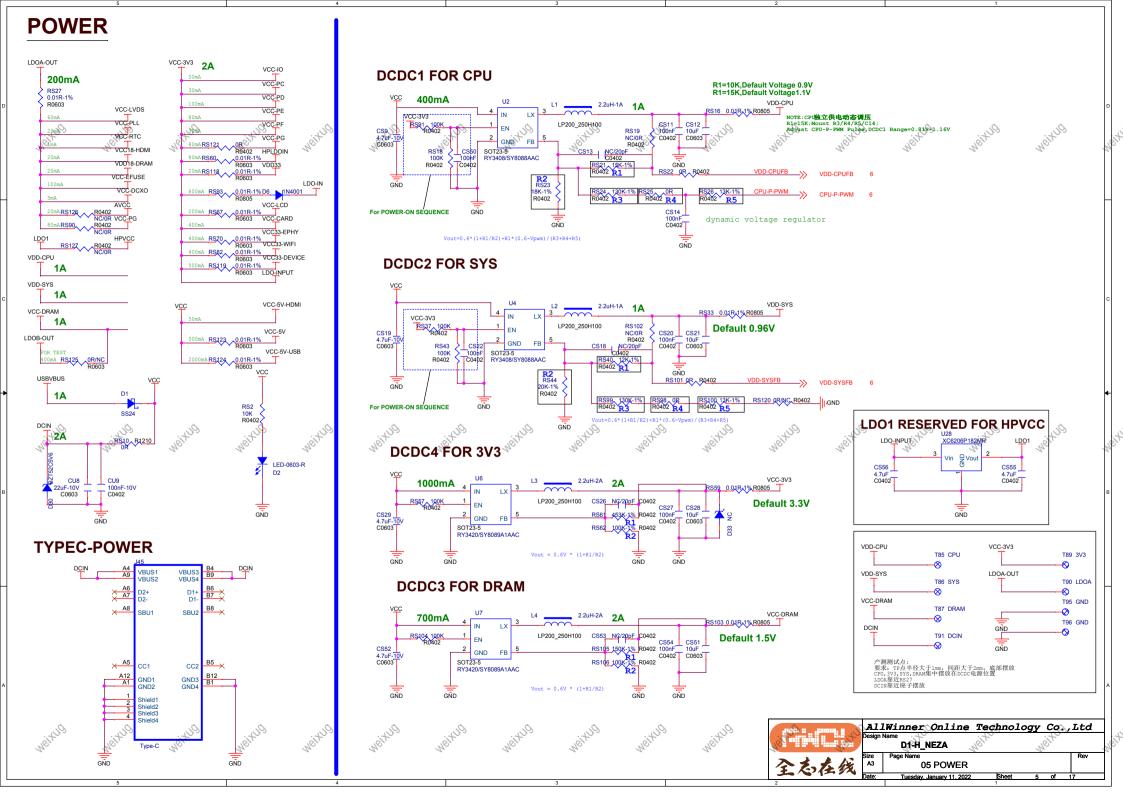
备注: PP0~PP7为PCF8574A扩展GPIO

30 PIN CONNECTOR

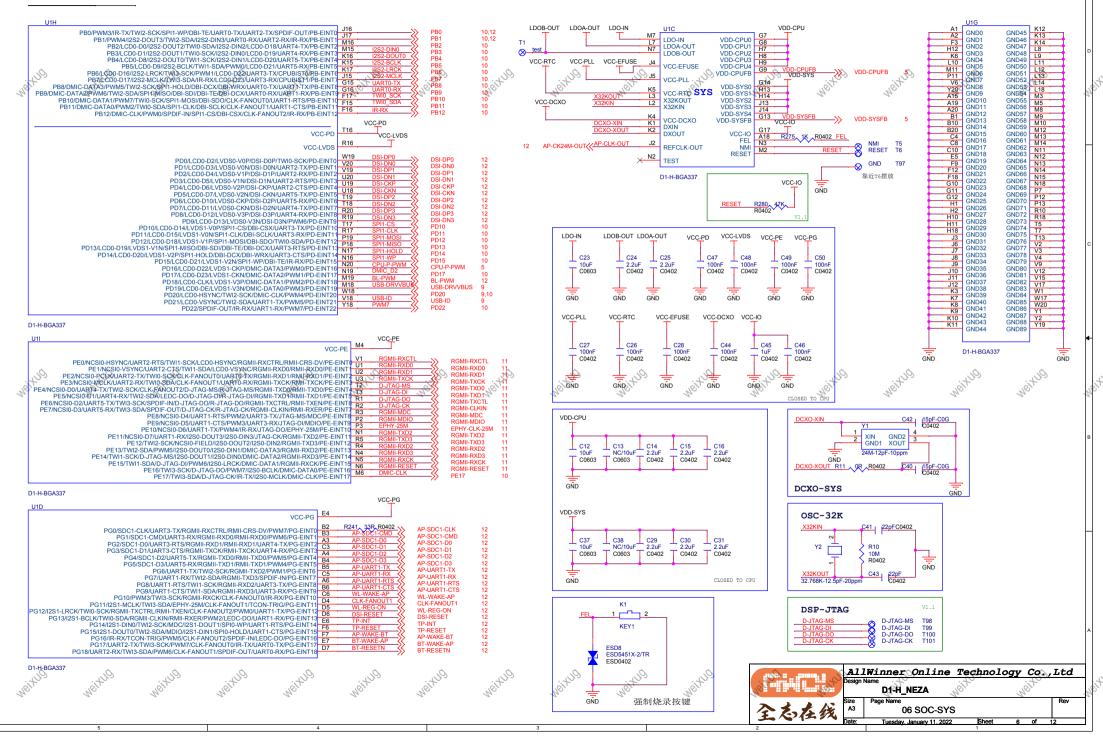
PIN	SOC.No	DMIC	AMIC	
William Stole	neit ^y	GND WEITEN	GND WEIT	
2	PB10	DMIC-D1	TWI0-SCK	
3	PB11	DMIC-D0	TWI0-SDA	
4	PB7	NC	I2S2-MCLK	
5	PB5	NC	I2S2-BCLK	
6	PB6	NC	I2S2-LRCK	
7	PB3	NC	I2S2-DINO	
8-10		NC	NC	
11	LRADC	LRADC	LRADC	
12	PB10	DMIC-D1	NC	
13		GND	GND	
14-20		NC	NC	
21		GND	GND	
22-25		5V	5V	
26	,(3V3	3V3	
w277	PD17 weix	DMIC-D2	NC NEITH	
28	PE17	DMIC-CLK	NC	
29	PD20	LEDC	LEDC	
30		GND	GND	

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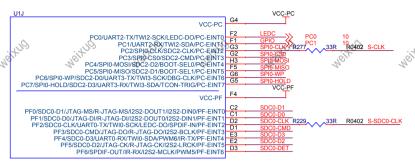
04 GPIO ASSIGNMENT



SOC SYS



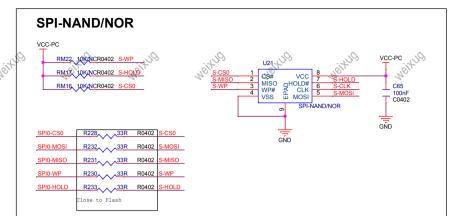
SOC-FLASH&CARD

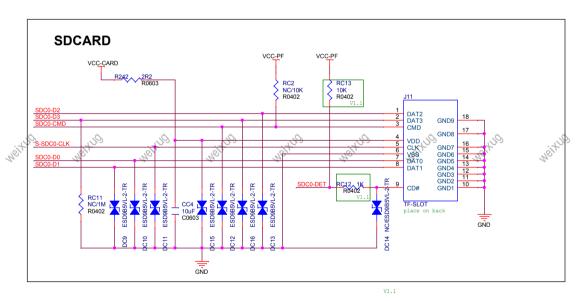




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