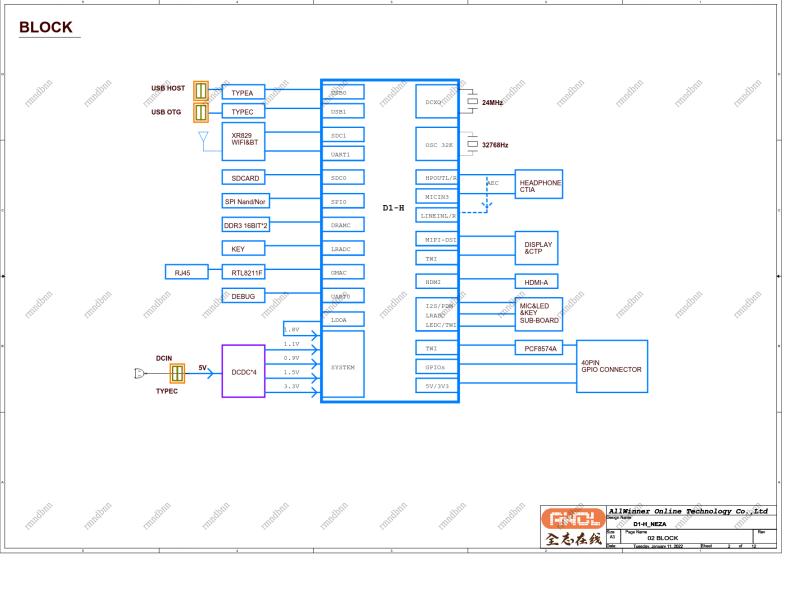
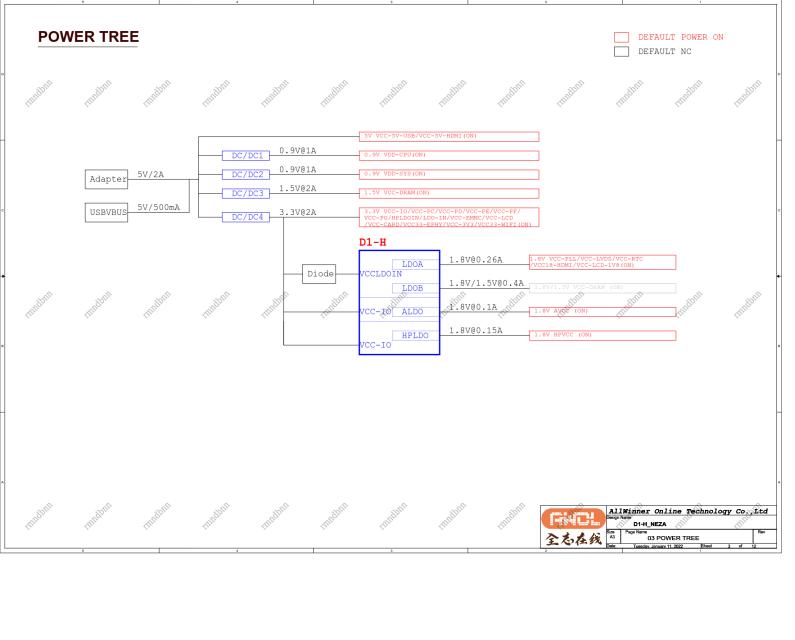
VERSION HISTORY Index: Note P01 VERSION HISTORY P02 BLOCK DIAGRAM P03 POWER TREE P04 GPIO ASSIGNMENT P05 POWER P06 SOC-SYS P07 SOC-FLASH/SDCARD P08 DDR3-16X2 P09 AUDIO&USB P10 HDMI/INTERFACE P11 GMAC P12 WIFI/MIPI DSI Revision Description Date Drawn Ver 1.0 Releas version 2021/05/10 AWOL010 update VDD-SYS . HDMI-I2C Ver 1.1 2021/11/24 AWOL010 update HDMI-I2C . HDMI-CEC 2021/11/20 AWOL018 Ver 1.2

AllWinner Online Technology Co Ltd Daign Nurve D1-H_NEZA Size Pegs Name 01 VERSION HISTORY Date: Tunders, January 11 2022 Sheet 1 of 12





GPIO ASSIGNMENT

40 PIN CONNECTOR

TW12-SDA GPIO1 PB1 3 TW12-SCK GPIO2 PB0 5 IR-RX PWM GPIO3 PD22 7 GND 9 GPIO6 PP7 11 GPIO8 PP0 13 FWM IR-RX GPIO9 PB12 15 GPIO8 PP0 13 FWM IR-RX GPIO9 PB12 15 UART3-RTS SPI1-MISO GPIO13 PD13 21 UART3-RX SPI1-MISO GPIO15 PD11 23 UART3-RX SPI1-HOLD GPIO18 PD14 27 UART3-CTS SPI1-HOLD GPIO18 PD14 27 UART3-CTS SPI1-HOLD GPIO18 PD14 27 UART3-CTS SPI1-HOLD GPIO18 PD15 29 WARD SPI		FUNCTION3	FUNCTION2	DEFAULT	SOC.No	PIN		RÎN	SOC.No	DEFAULT	FUNCTION2	FUNCTION3
TW12-SDA GPIO1 PB1 3 4 5V	79)	,	Milds	3.K3/01	Tindis	1	TITI	2	TITIDI	5V	ada.	Tindhi
R-RX PWM		<u></u>	TWI2-SDA	GPI01	PB1	3	7,		V	5v		· ·
GND			TWI2-SCK	GPIO2	PB0	5		6		GND		
GPI06		IR-RX	PWM	GPIO3	PD22	7		8	PB8	GPIO4	UARTO-TXD	
GPIO8				GND		9		10	PB9	GPIO5	UART0-RXD	
PWM				GPIO6	PP7	11		12	PB5	GPIO7	I2S2-BCLK	UART5-RX
3V3				GPIO8	PP0	13		14		GND		
SPI1-MOSI GPI012 PD12 19		PWM	IR-RX	GPIO9	PB12	15		16	PP1	GPIO10		
UART3-RTS SPI1-MISO GPI013 PD13 21 UART3-RX SPI1-CLK GPI015 PD11 23 GRD 25 UART3-CTS SPI1-HOLD GPI018 PD14 27 AR-RX SPRI-WP GPI020 PD15 29 GRD021 PC1, MISS SPI1-CLK GPI022 PB6 35 GPI023 PP6 37 22 PP4 GPI014 24 PD10 GPI016 SPI1-CE0 UART3-TX 26 PP3 GPI017 28 PP5 GPI019 30 PE17, MR C MIR-TX 31 GND 32 PE17, MR C MIR-TX 34 GND 36 NC 38 PB3 GPI024 IZS2-DIN				3V3		17		18	PP2	GPIO11		
UART3-RX SPI1-CLK GPI015 PD11 23 UART3-CTS SPI1-HOLD GPI018 PD14 27 VR-RX SPE1-WP GPI020 PD15 29 GREO21 PC1,UI 31 NC 33 PWM I2S2-LRCK GPI022 PB6 35 GPI023 PP6 37 24 PD10 GPI016 SPI1-CE0 UART3-TX 26 PP3 GPI017 28 PP5 GPI019 32 PE17,UI NC UIR-TX GND 34 GND 36 NC 38 PB3 GPI024 I2S2-DIN			SPI1-MOSI	GPIO12	PD12	19		20		GND		
GND 25 UART3-CTS SPI1-HOLD GPI018 PD14 27 CR-RX SRC1-WP GPI020 PD15 29 GR021 PC1,UI 31 NC 33 PWM I2S2-LRCK GPI022 PB6 35 GPI023 PP6 37 ROD 25 26 PP3 GPI017 28 PP5 GPI019 28 PP5 GPI019 32 PE17,UI NC UIR-TX UITUUIN 34 GND 36 NC 38 PB3 GPI024 I2S2-DIN		UART3-RTS	SPI1-MISO	GPIO13	PD13	21		22	PP4	GPIO14		
UART3-CTS SPI1-HOLD GPI018 PD14 27 CR-RX SPE1-WP GPI020 PD15 29 GET021 PC1,UI 31 NC 33 PWM I2S2-LRCK GPI022 PB6 35 GPI023 PP6 37 SP BB GPI019 28 PP5 GPI019 NC ND URT 32 PE17,UI NC URT-TX URT 34 GND 36 NC 38 PB3 GPI024 I2S2-DIN		UART3-RX	SPI1-CLK	GPIO15	PD11	23		24	PD10	GPIO16	SPI1-CEO	UART3-TX
Part				GND		25		26	PP3	GPIO17		
Septo21 PC1,dtt 31 32 PE17,dtt NC dt R-TX dtt NC R-TX R		UART3-CTS	SPI1-HOLD	GPIO18	PD14	27		28	PP5	GPIO19		
Septo21 PC1,dtt 31 32 PE17,dtt NC dt R-TX dtt NC R-TX R	27	ÎR-RX		GP1020	2/1/2	29		0E10	30	GND	10717	10III
NC 33 34 GND PWM I2S2-LRCK GPI022 PB6 35 36 NC GPI023 PP6 37 38 PB3 GPI024 I2S2-DIN	19		Mild	GR1021	PC1_TITLE	31	TITI	32	PE17	NC S	70,	Thind
GPI023 PP6 37 38 PB3 GPI024 I2S2-DIN		,		NC	,	33	,		, v	GND		,
		PWM	I2S2-LRCK	GPIO22	PB6	35		36		NC		
GND 39 40 PB4 GPIO25 I2S2-DOUT UART5-TX				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 NO
1	indi	GNDII	GND THIRD
2	PB10	DMIC-D1	TWI0-SCK
3	PB11	DMIC-D0	TWI0-SDA
4	РВ7	NC	I2S2-MCLK
5	PB5	NC	I2S2-BCLK
6	РВ6	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	10111	3V3 10111	3V3 1011
27	PD17	DMAC-D2	NC THILD
28	PE17	DMIC-CLK	NC
29	PD20	LEDC	LEDC
30		GND	GND

11111 II NOMBER 1		Winner Online Technology Co., Ltd
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