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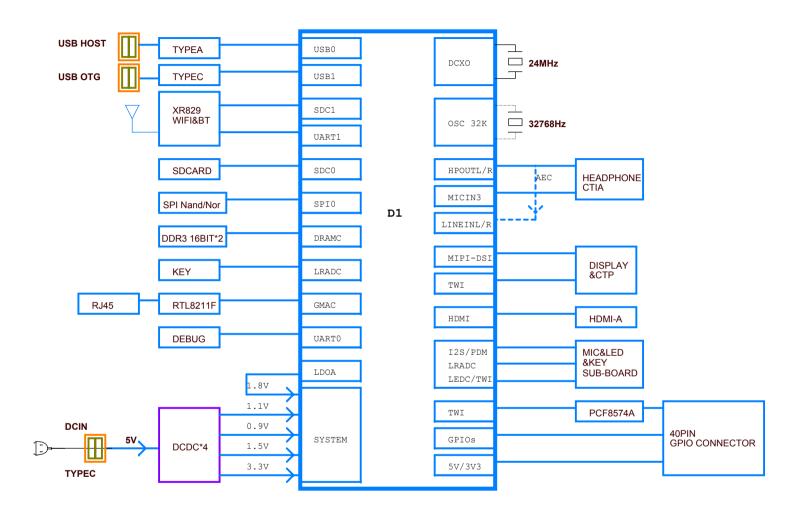
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Revision	Description	Date	Drawn
Ver 1.0	Release version	2021/05/10	AWOL010

BLOCK

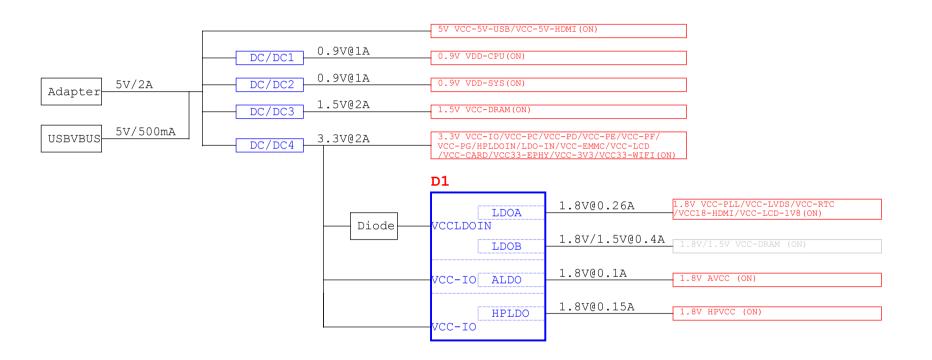




POWER TREE

DEFAULT POWER ON

DEFAULT NC





GPIO ASSIGNMENT

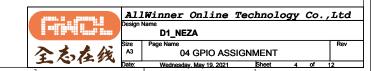
40 PIN CONNECTOR

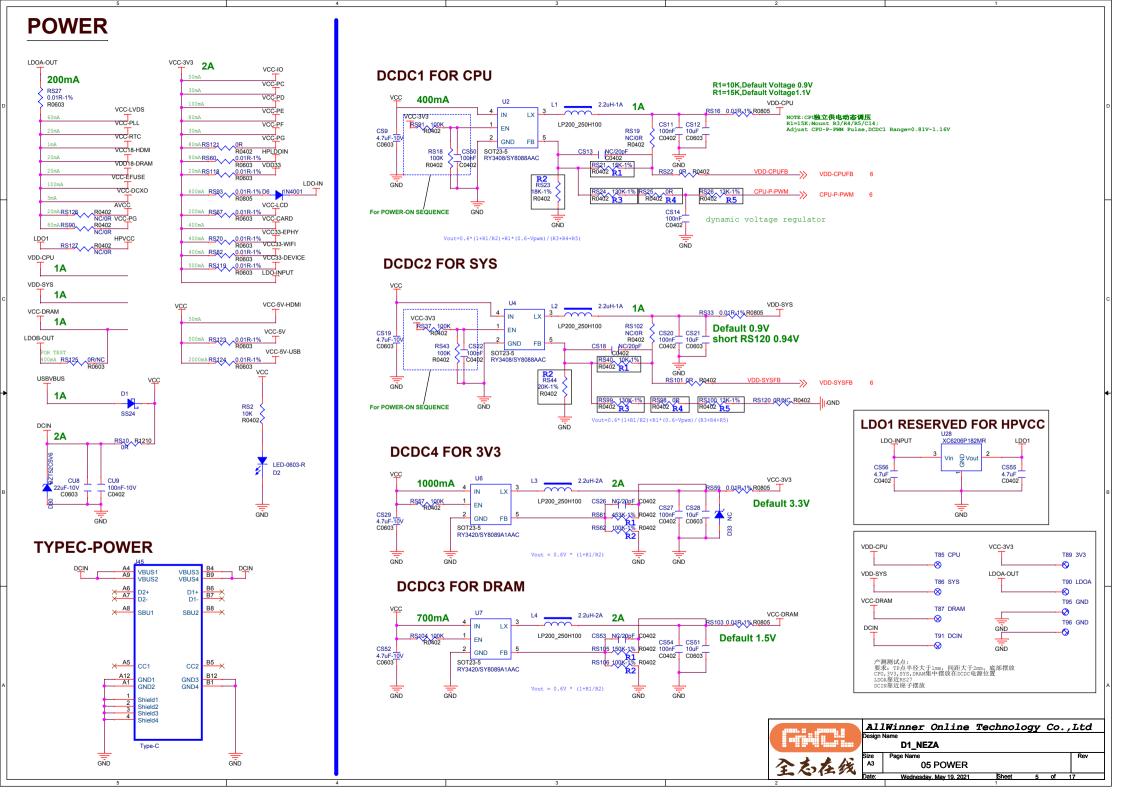
FUNCTION2	DEFAULT	SOC.No	PIN		PIN	SOC.No	DEFAULT	FUNCTION2	FUNCTION3
	3V3		1		2		5V		
TWI2-SDA	GPIO1	PB1	3		4		5V		
TWI2-SCK	GPIO2	PB0	5		6		GND		
PWM	GPIO3	PD22	7		8	PB8	GPIO4	UART0-TXD	
	GND		9		10	PB9	GPIO5	UARTO-RXD	
	GPIO6	PP7	11		12	PB5	GPIO7	I2S2-BCLK	UART5-RX
	GPIO8	PP0	13		14		GND		
IR-RX	GPIO9	PB12	15		16	PP1	GPIO10		
	3V3		17		18	PP2	GPIO11		
SPI1-MOSI	GPIO12	PD12	19		20		GND		
SPI1-MISO	GPIO13	PD13	21		22	PP4	GPIO14		
SPI1-CLK	GPIO15	PD11	23		24	PD10	GPIO16	SPI1-CE0	UART3-TX
	GND		25		26	PP3	GPIO17		
SPI1-HOLD	GPIO18	PD14	27		28	PP5	GPIO19		
SPI1-WP	GPIO20	PD15	29		30		GND		
	GPIO21	PC1	31		32	PE17	NC	IR-TX	
	NC		33		34		GND		
I2S2-LRCK	GPIO22	PB6	35		36		NC		
	GPIO23	PP6	37		38	PB3	GPIO24	I2S2-DIN	
	GND		39		40	PB4	GPIO25	I2S2-DOUT	UART5-TX
	TWI2-SDA TWI2-SCK PWM IR-RX SPI1-MOSI SPI1-CLK SPI1-HOLD SPI1-WP	3V3 TW12-SDA GPI01 TW12-SCK GPI02 PWM GPI03 GND GPI06 GPI08 IR-RX GPI09 3V3 SPI1-MOSI GPI012 SPI1-MISO GPI013 SPI1-CLK GPI015 GND SPI1-HOLD GPI018 SPI1-WP GPI020 GPI021 NC I2S2-LRCK GPI022 GPI023	3V3 TW12-SDA GPIO1 PB1 TW12-SCK GPIO2 PB0 PWM GPIO3 PD22 GND GPIO6 PP7 GPIO8 PP0 IR-RX GPIO9 PB12 3V3 SPI1-MOSI GPIO12 PD12 SPI1-MISO GPIO13 PD13 SPI1-CLK GPIO15 PD11 GND SPI1-HOLD GPIO18 PD14 SPI1-WP GPIO20 PD15 GPIO21 PC1 NC I2S2-LRCK GPIO22 PB6 GPIO23 PP6	3V3 1 TW12-SDA GPIO1 PB1 3 TW12-SCK GPIO2 PB0 5 PWM GPIO3 PD22 7 GND 9 9 GPIO6 PP7 11 GPIO8 PP0 13 IR-RX GPIO9 PB12 15 3V3 17 SPI1-MOSI GPIO12 PD12 19 SPI1-MISO GPIO13 PD13 21 SPI1-CLK GPIO15 PD11 23 GND 25 SPI1-HOLD GPIO18 PD14 27 SPI1-WP GPIO20 PD15 29 GPIO21 PC1 31 NC 33 I2S2-LRCK GPIO22 PB6 35 GPIO23 PP6 37	3V3 1 TW12-SDA GPIO1 PB1 3 TW12-SCK GPIO2 PB0 5 PWM GPIO3 PD22 7 GND 9 GPIO6 PP7 11 GPIO8 PP0 13 IR-RX GPIO9 PB12 15 3V3 17 SPI1-MOSI GPIO12 PD12 19 SPI1-MISO GPIO13 PD13 21 SPI1-CLK GPIO15 PD11 23 GND 25 SPI1-HOLD GPIO18 PD14 27 SPI1-WP GPIO20 PD15 29 GPIO21 PC1 31 NC 33 I2S2-LRCK GPIO22 PB6 35 GPIO23 PP6 37	3V3 1 2 TW12-SDA GPIO1 PB1 3 4 TW12-SCK GPIO2 PB0 5 6 PWM GPIO3 PD22 7 8 GND 9 10 GPIO6 PP7 11 12 GPIO8 PP0 13 14 IR-RX GPIO9 PB12 15 16 SPI1-MOSI GPIO12 PD12 19 20 SPI1-MISO GPIO13 PD13 21 22 SPI1-CLK GPIO15 PD11 23 24 SPI1-HOLD GPIO18 PD14 27 28 SPI1-WP GPIO20 PD15 29 30 GPIO21 PC1 31 32 NC 33 34 I2S2-LRCK GPIO22 PB6 35 36 GPIO23 PP6 37 38	3V3 1 2 TW12-SDA GPIO1 PB1 3 TW12-SCK GPIO2 PB0 5 PWM GPIO3 PD22 7 R PB8 PB8 GND 9 10 PB9 GPIO6 PP7 11 12 PB5 GPIO8 PP0 13 14 14 IR-RX GPIO9 PB12 15 16 PP1 SPI1-MOSI GPIO12 PD12 19 20 20 SPI1-MISO GPIO13 PD13 21 22 PP4 SPI1-CLK GPIO15 PD11 23 24 PD10 GND 25 26 PP3 SPI1-HOLD GPIO18 PD14 27 28 PP5 SPI1-WP GPIO20 PD15 29 30 30 GPIO21 PC1 31 32 PE17 NC 33 34 34 32 PE17 T2S2-LRCK GPIO23 PP6 35	3V3 1 2 5V TW12-SDA GPI01 PB1 3 4 5V TW12-SCK GPI02 PB0 5 6 GND PWM GPI03 PD22 7 8 PB8 GPI04 GND 9 10 PB9 GPI05 GPI06 PP7 11 12 PB5 GPI07 GPI08 PP0 13 14 GND GND IR-RX GPI09 PB12 15 16 PP1 GPI010 SPI1-MOSI GPI012 PD12 19 20 GND GND SPI1-MISO GPI013 PD13 21 22 PP4 GPI014 SPI1-HOLD GPI015 PD11 23 24 PD10 GPI016 SPI1-WP GPI020 PD15 29 30 GND SPI1-WP GPI021 PC1 31 32 PE17 NC 34 GND 34 GND 34 GND Incompany GPI022 PB	3V3

备注: PP0~PP7为PCF8574A扩展GPIO

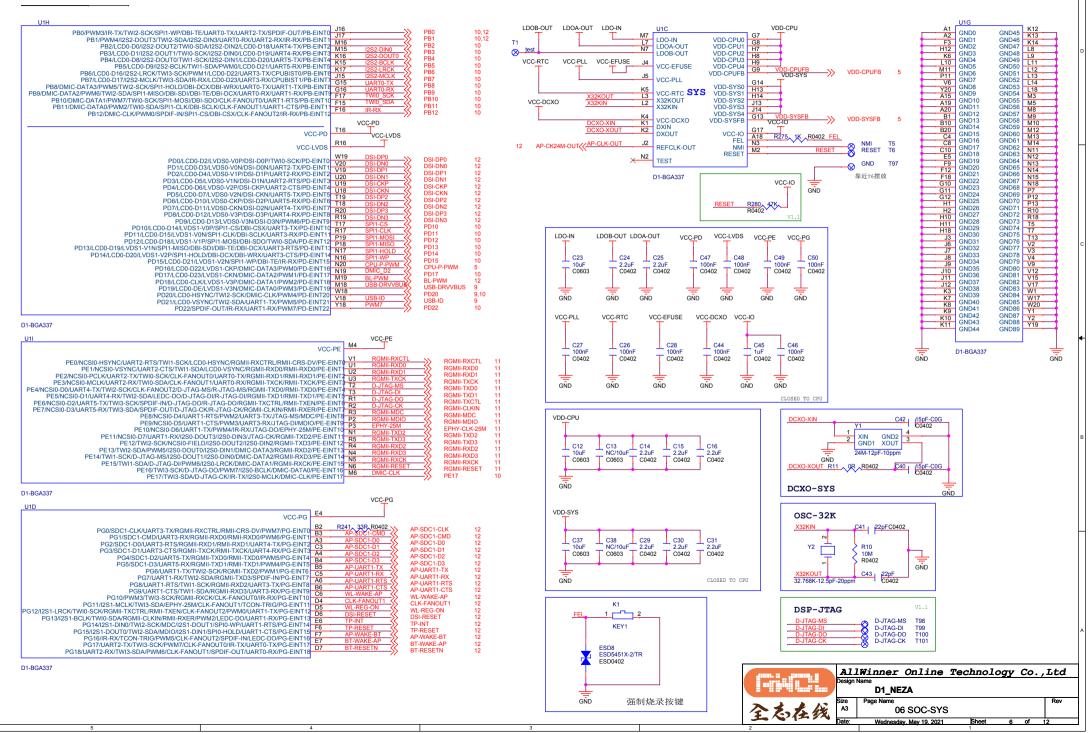
30 PIN CONNECTOR

PIN	SOC.No	DMIC	AMIC	
1		GND	GND	
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-DIN0	
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	
27	PD17	DMIC-D2 NC		
28	PE17	DMIC-CLK NC		
29	PD20	LEDC	LEDC	
30		GND	GND	

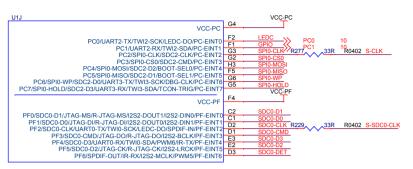




SOC SYS

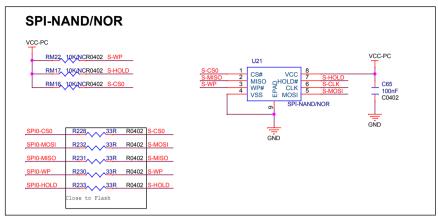


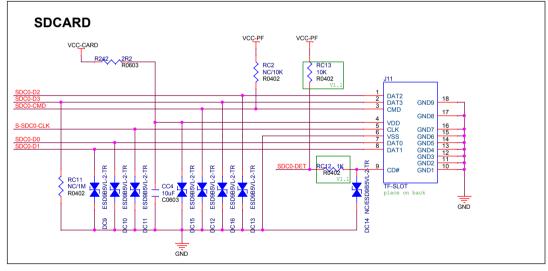
SOC-FLASH&CARD



D1-BGA337







V1.1



