REVISION HISTORY

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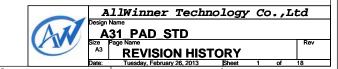
P15: AUDIO IN/OUT

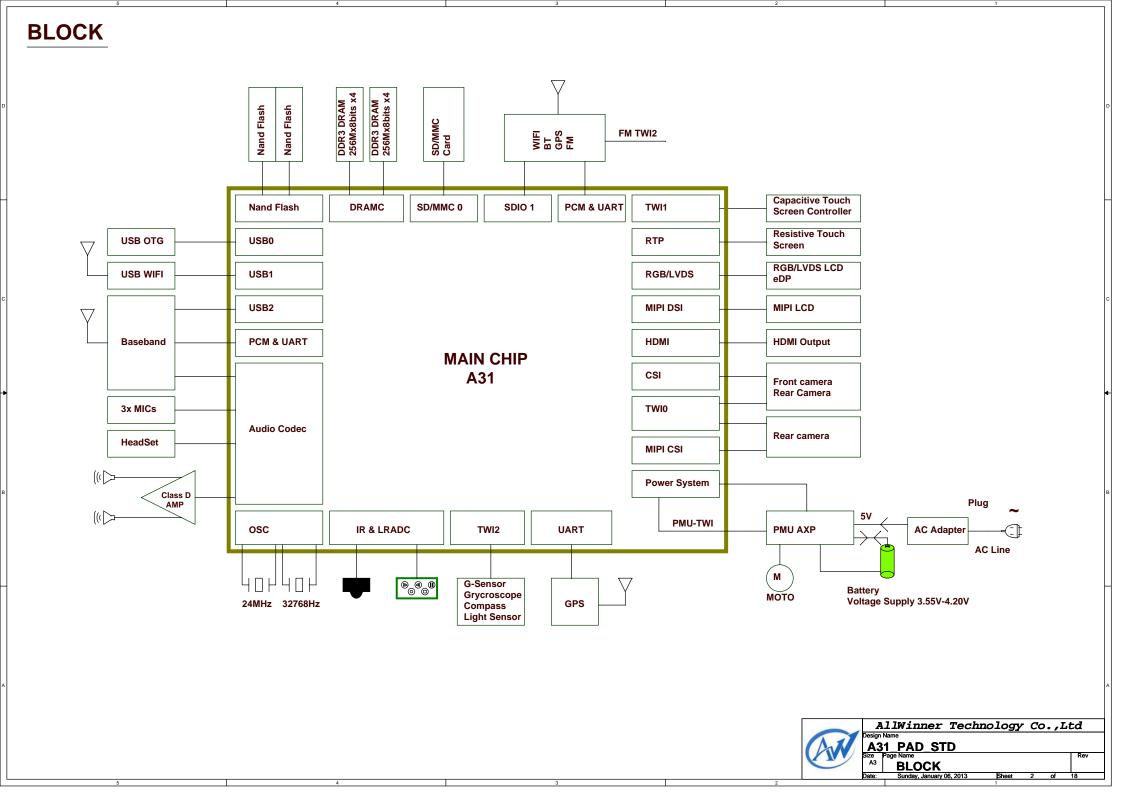
P16: KEY-IR-MISC

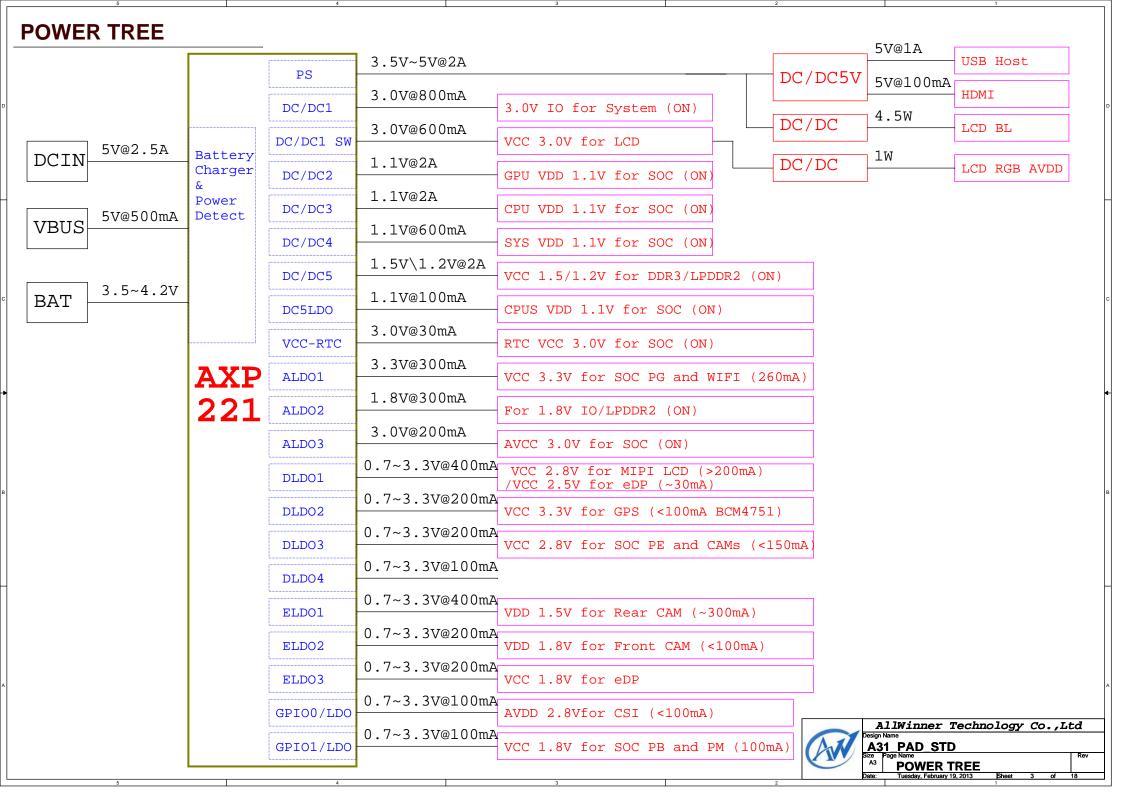
P17: BASEBAND

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Revision	Description	Date	Drawn	Checked	Approved
PAD_APP4_STD_V1_10		2012-08-28	YT		
PAD_APP4_STD_V1_20		2012-09-02	YT		
PAD_APP4_STD_V1_30		2012-09-13	YT		
PAD_APP4_STD_V1_40		2012-09-27	YT		
PAD_APP4_STD_V1_50		2012-12-12	YT		
PAD_A31_STD_V1_60		2012-12-26	YT		
A31_PAD_STD_V1_70	增加4合1模组调整BT、WIFI的唤醒功能等GPIO.	2013-01-06	YT		
A31_PAD_STD_V1_80	USB的VCC-USB供电改为分离LDO供电。	2013-01-10	YT		
A31_PAD_STD_V1_90	eDP转换电路由ANX9804更换ANX6345。	2013-02-25	YT		







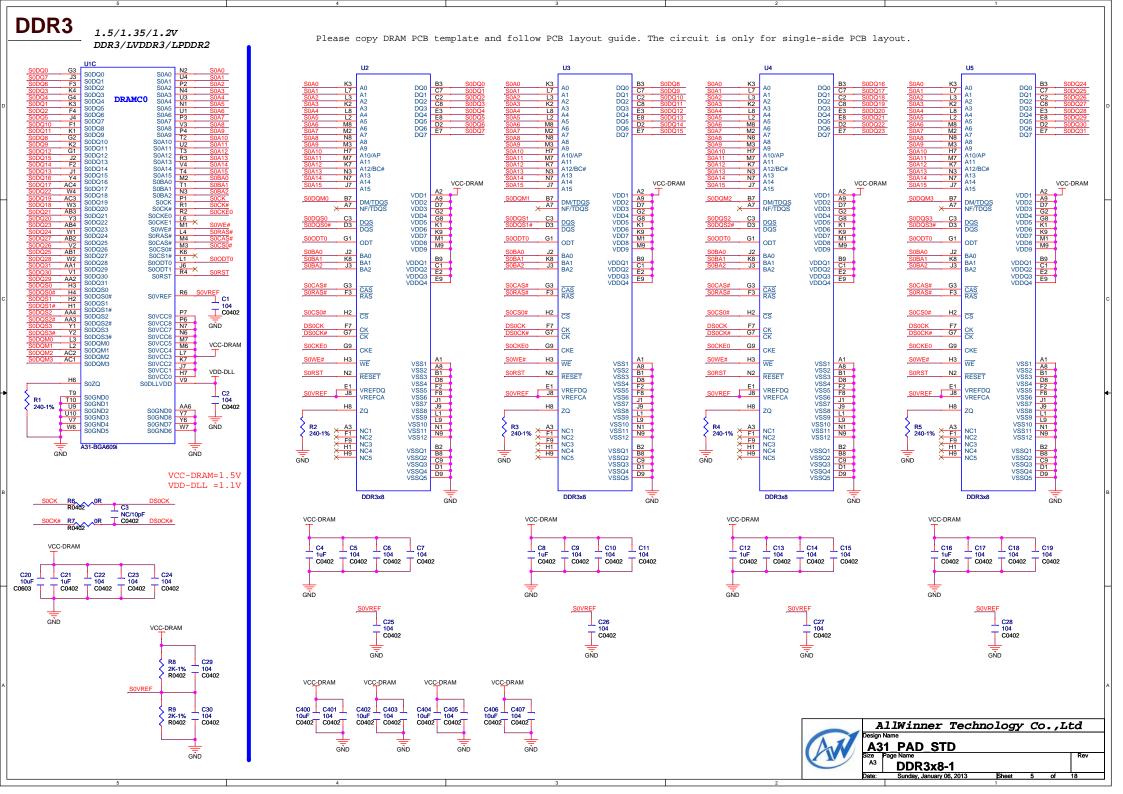
GPIO ASSIGNMENT

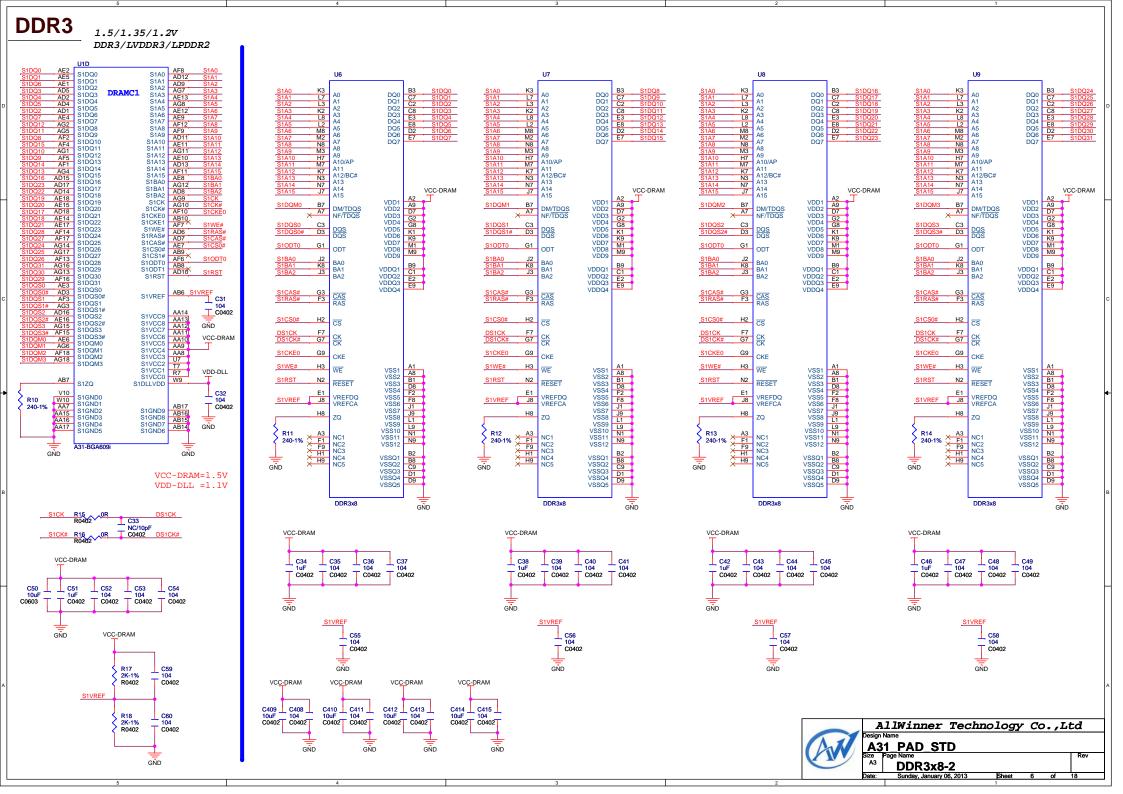
No.	Define	Function	No.	Define F	unction	No.	Define	Function	No.	Define	Function	No.	Define	Function
PA0	GPS-RST		PB0	BB-UART-RTS		PD0	LCD0-D0/D0P		PH0	NAND1-WE		PL0	PMU-SCK	PMU
PA1	GPS-PWR	GPS	PB1	BB-PCM-CLK		PD1	LCD0-D1/D0N		PH1	NAND1-ALE		PL1	PMU-SDA	PMO
PA2	CTP-WAKE	CTP	PB2	BB-PCM-SYNC		PD2	LCD0-D2/D1P		PH2	NAND1-CLE	NT 7 NTD	PL2	BB-VBAT-EN	BB
PA3	CTP-INT	CIP	PB3	BB-PCM-IN	BB	PD3	LCD0-D3/D1N		PH3	NAND1-CE1	NAND	ר זת	SUART-RX	DEBUG
PA4	GPS-UART-RX		PB4	BB-UART-CTS		PD4	LCD0-D4/D2P		PH4	NAND1-CE0		PL3	/WL-ENABLE	/WIFI
PA5	GPS-UART-TX	ana	PB5	BB-UART-RX		PD5	LCD0-D5/D2N]	PH5	NAND1-RE	1	DT 4	IR-RX	IR
PA6	GPS-UART-CTS	GPS	PB6	BB-UART-TX		PD6	LCD0-D6/CLKP]	PH6	NAND1-RB0	1	PL4	/WL-VBAT-EN	/WIFI
PA7	GPS-UART-RTS		PB7	BB-PCM-OUT		PD7	LCD0-D7/CLKN		PH7	NAND1-RB1		PL5	STMS	DEBUG
PA8	SD0-DET	SD Card	PC0	NOWE		PD8	LCD0-D8/D3P	LCD	PH8	NAND1-DQS		РЦЭ	/WL-WAKE-HOST	/WIFI
PA9	GS-INT		PC1	NOALE		PD9	LCD0-D9/D3N	/LVDS0	PH9	TMS		PL6	STCK	DEBUG
PA10	GY-INT	Sensors	PC2	NOCLE		PD10	LCD0-D10		PH10	TCK	DEBUG	ЪПО	/BT-WAKE-HOST	/BT
PA11	CP-INT		PC3	NOCE1		PD11	LCD0-D11		PH11	TDO	DEBUG	PL7	STDO	DEBUG
PA12	LS-INT		PC4	NOCEO		PD12	LCD0-D12		PH12	TDI		РБ/	/BT-ENABLE	/BT
PA13	USB0-DRV		PC5	NORE		PD13	LCD0-D13		PH13	LCD-PWM	LCD		/WL-SYSRST-N	/WIFI
PA14	USB0-VBUSDET	USB	PC6	NORBO/eMMC-CMD		PD14	LCD0-D14		PH14	TWI0-SCK	CAMEDA	PL8	STDI	DEBUG
PA15	USB0-IDDET		PC7	NORB1/eMMC-CLK		PD15	LCD0-D15		PH15	TWI0-SDA	CAMERA		/WL-PMU-EN	/WIFI
PA16	DMIC-CLK		PC8	N0DQ0/eMMC-D0		PD16	LCD0-D16		PH16	TWI1-SCK		PM0	BB-WAKE-HOST	BB
PA17	DMIC-DIN	DMIC	PC9	NODQ1/eMMC-D1		PD17	LCD0-D17		PH17	TWI1-SDA	CTP	PM1		
PA18	SPK-SHDN	AUDIO	PC10	NODQ2/eMMC-D2	NAND	PD18	LCD0-D18		PH18	TWI2-SCK	Sensors	PM2		
PA19	LCD-SDA	LCD-eDP	PC11	NODQ3/eMMC-D3	/eMMC	PD19	LCD0-D19		PH19	TWI2-SDA	/FM	PM3	BB-PWRON	
PA20	LCD-SCL	FLASH LED	PC12	NODQ4/eMMC-D4		PD20	LCD0-D20		PH20	UART-TX	DEDUG	PM4	BB-WAKE-BB	BB
PA21	FLASH-MODE		PC13	NODQ5/eMMC-D5		PD21	LCD0-D21		PH21	UART-RX	DEBUG	PM5	BB-RF-DIS	
PA22	FLASH-EN		PC14	N0DQ6/eMMC-D6		PD22	LCD0-D22		PH22	CAM-R-RESET#	997	PM6	BB-RST-N	
PA23			PC15	N0DQ7/eMMC-D7		PD23	LCD0-D23		PH23	CAM-R-STBY-E	CSI	PM7	CK32KO	CLOCK
PA24				N1DQ0		PD24	LCD0-CLK		PH24					
PA25	LCD-BL-EN	LCD	PC17	N1DQ1		PD25	LCD0-DE		PH25					
PA26			PC18	N1DQ2		PD26	LCD0-HSYNC		PH26					
PA27	USB-ICTRL	USB	PC19	N1DQ3		PD27	LCD0-VSYNC/DSI-TE	LCD/MIPI	PH27					
PE0	CSI-PCLK		PC20	N1DQ4		PG0	WL-SDIO-CLK		PH28		Recovery			
PE1	CSI-MCLK		PC21	N1DQ5		PG1	WL-SDIO-CMD		PH29	NAND1-CE2	NIANID			
PE2	CSI-HSYNC	CCT	PC22	N1DQ6		PG2	WL-SDIO-D0		PH30	NAND1-CE3	NAND			
PE3	CSI-VSYNC	CSI	PC23	N1DQ7		PG3	WL-SDIO-D1							
PE4	CAM-F-RESET#		PC24	NODQS/eMMC-RST		PG4	WL-SDIO-D2	WITEI						
PE5	CAM-F-STBY-E	1	PC25	NOCE2]	PG5	WL-SDIO-D3	WIFI						
PE6	CSI-D2		PC26	NOCE3	([PG6	BT-UART-RX]					
PE7	CSI-D3		PC27			PG7	BT-UART-TX	BT						
PE8	CSI-D4		PF0	SDC0-D1		PG8	BT-UART-CTS							
PE9	CSI-D5		PF1	SDC0-D0		PG9	BT-UART-RTS							
PE10	CSI-D6		PF2	SDC0-CLK	anao	DC10			1					
PE11	CSI-D7		PF3	SDC0-CMD	SDC0	PG10								
PE12	CSI-D8	CSI	PF4	SDC0-D3	7	PG11			1					
PE13	CSI-D9		PF5	SDC0-D2		PG12			1					
PE14	CSI-D10		DM0	TICDO	ОШС	PG13	BT-PCM-CLK		[
PE15	CSI-D11		DP0	USB0	OTG	PG14	BT-PCM-SYNC	D.III						
PE16	CSI2-MCLK		DM1 HGP1		PG15	BT-PCM-OUT	BT				1			
			DP1	USB1	WIFI	PG16	BT-PCM-IN	1						
			DM2	TIGD 2	DD	PG17			[
			DP2	USB2	BB	DG10	GPS-SYNC	GPS 4IN1	1			I		

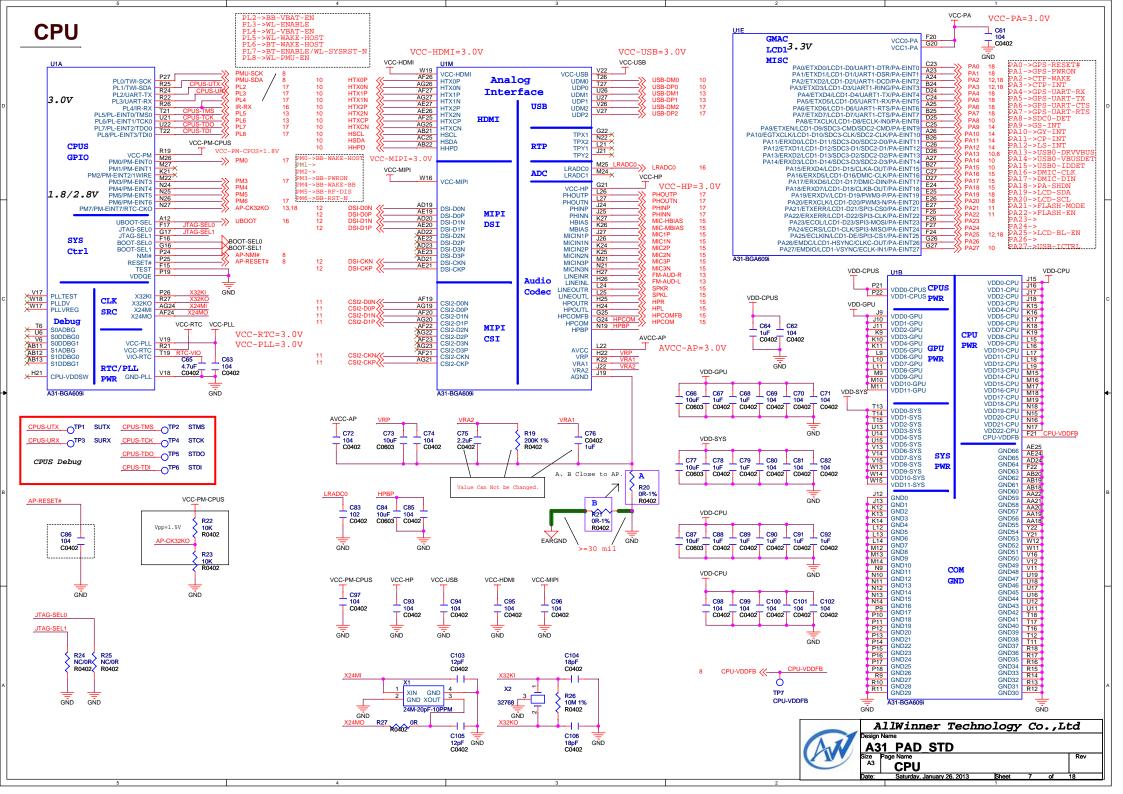
NOTE:

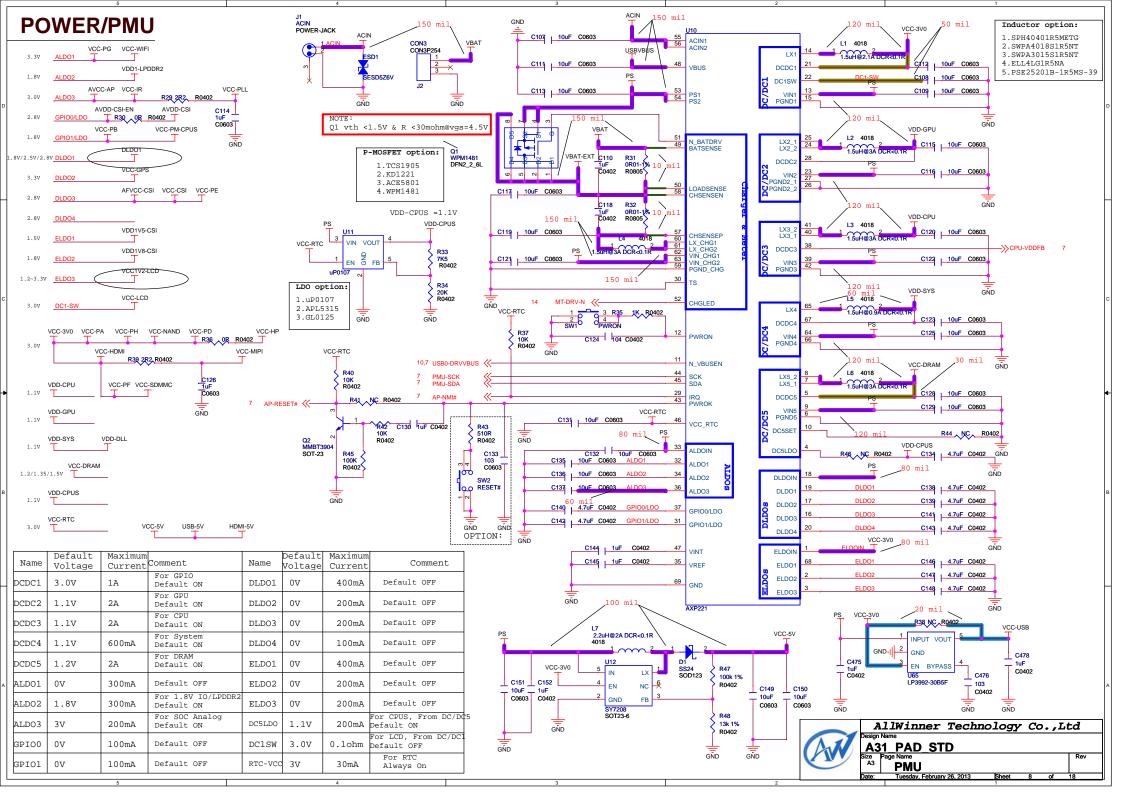
PA23-24, PA26 and PH24-27 can be used for GPIO and others are reserved for function using.

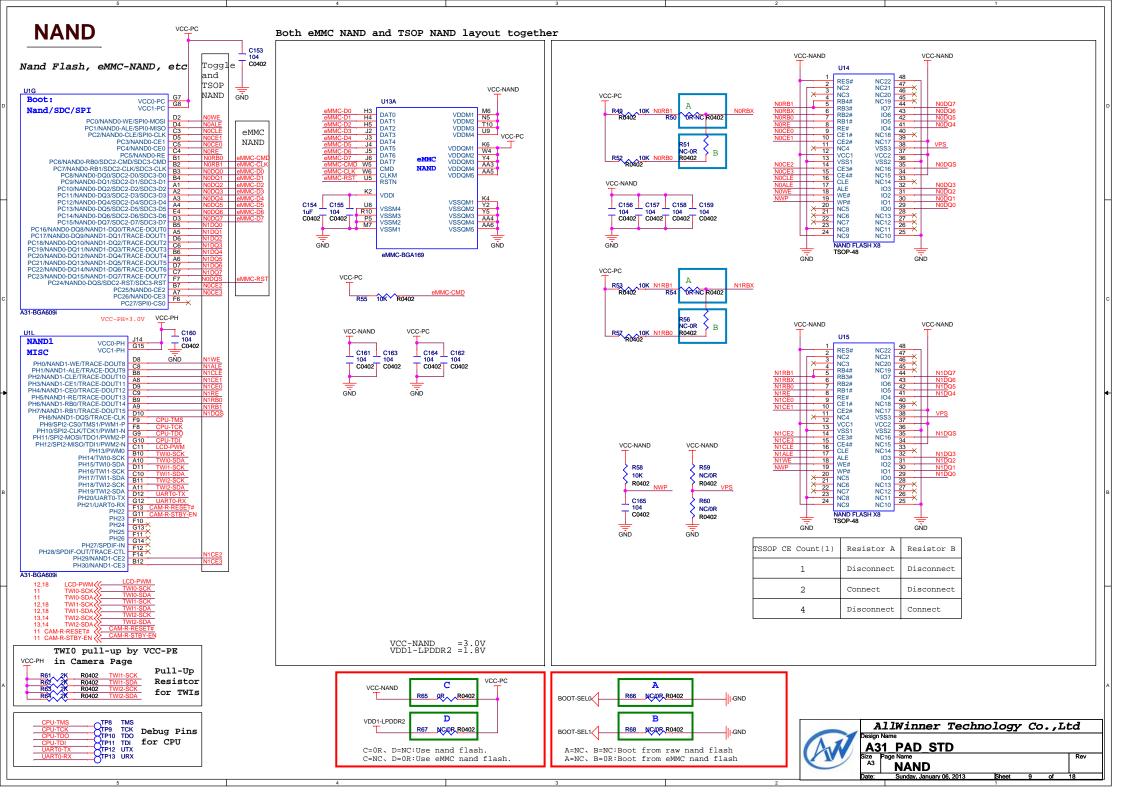


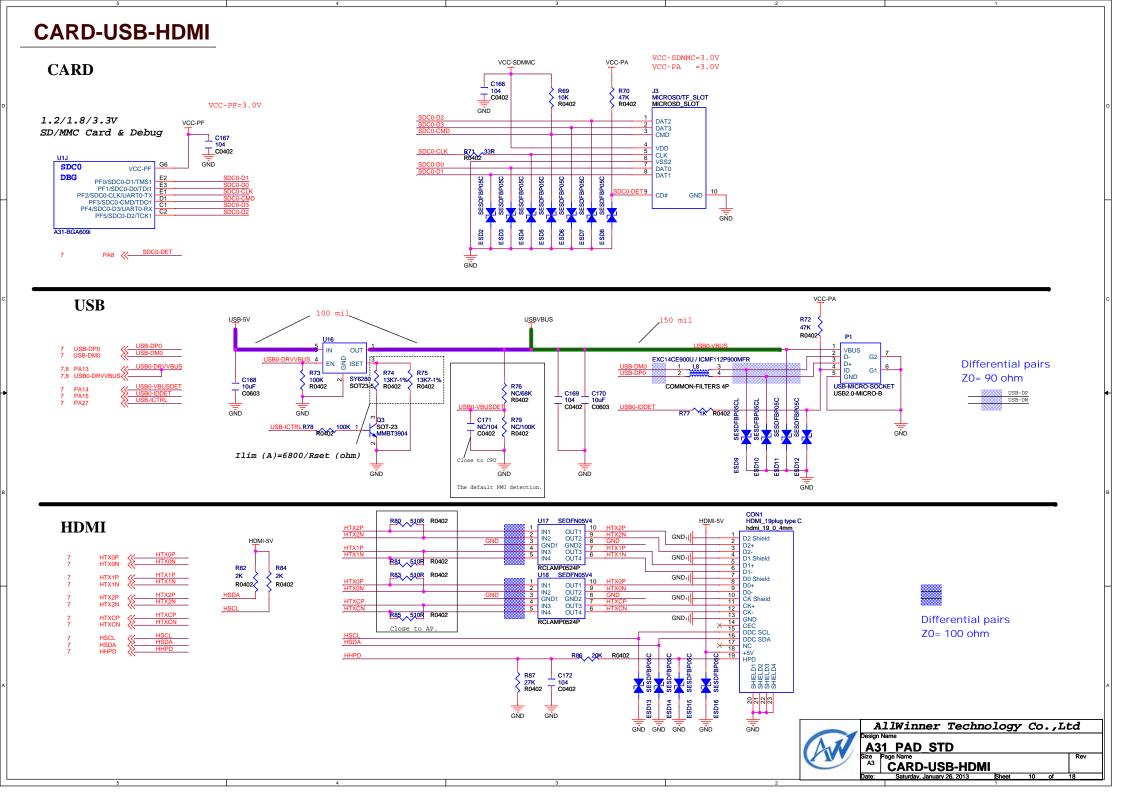


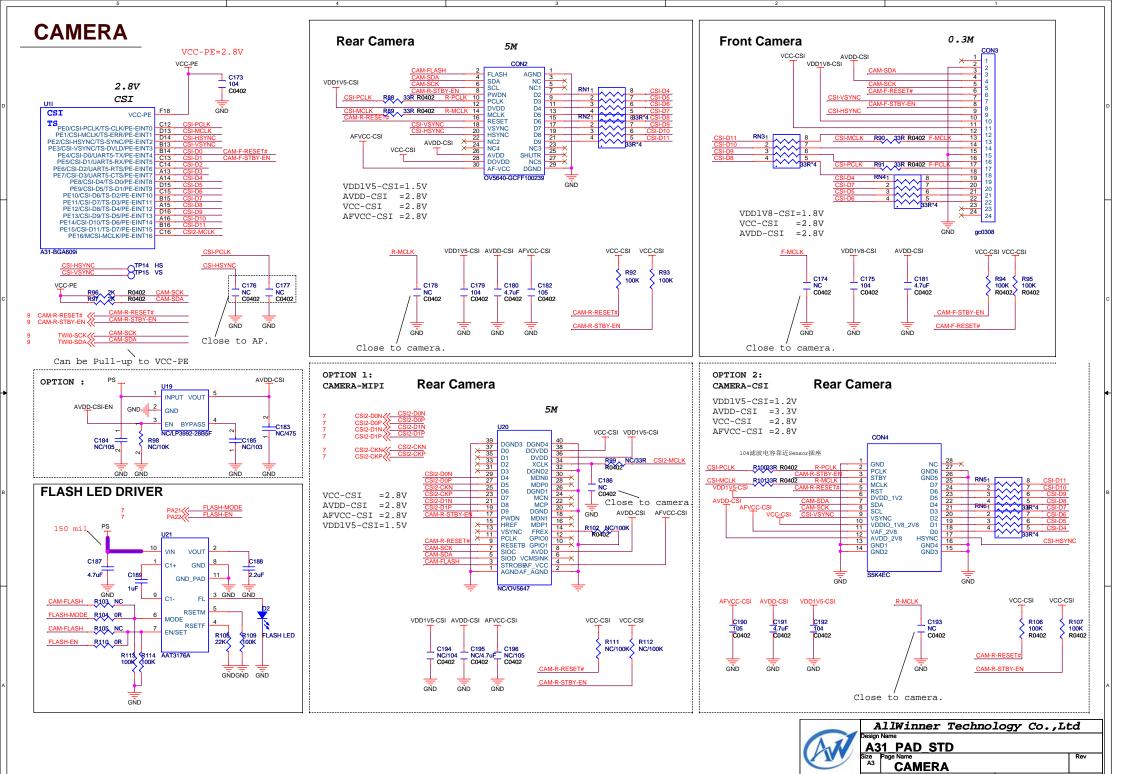


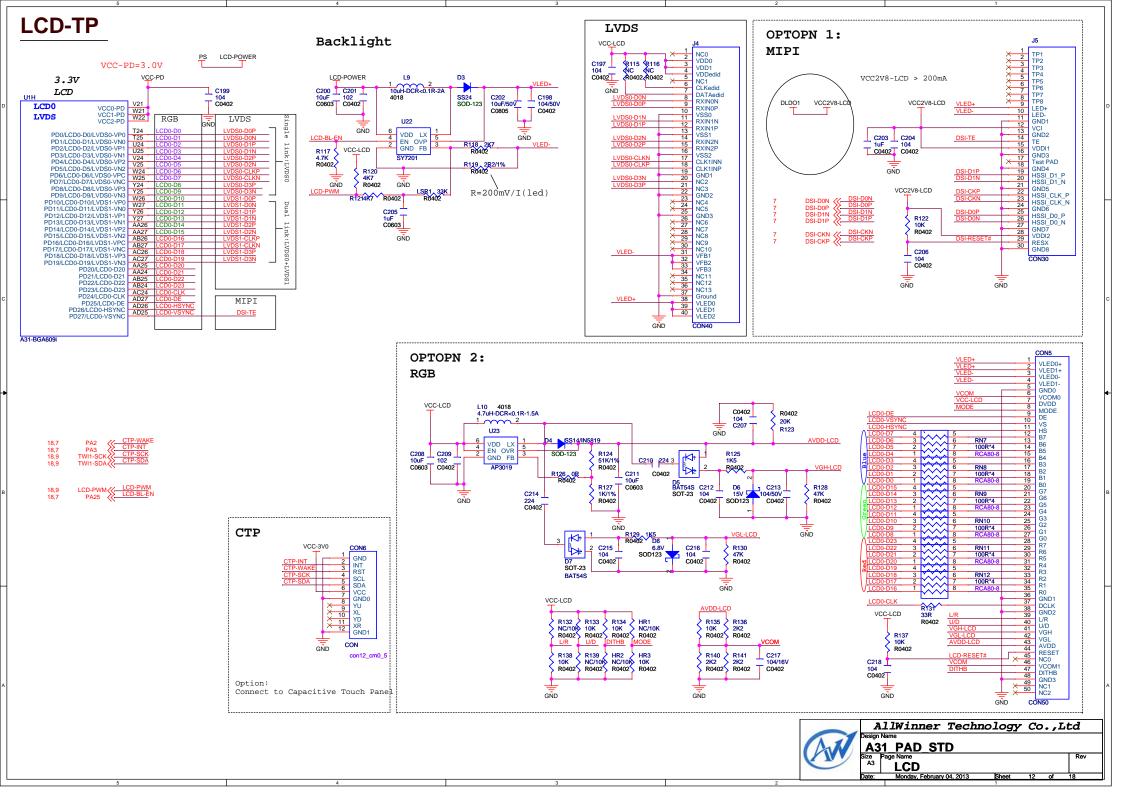


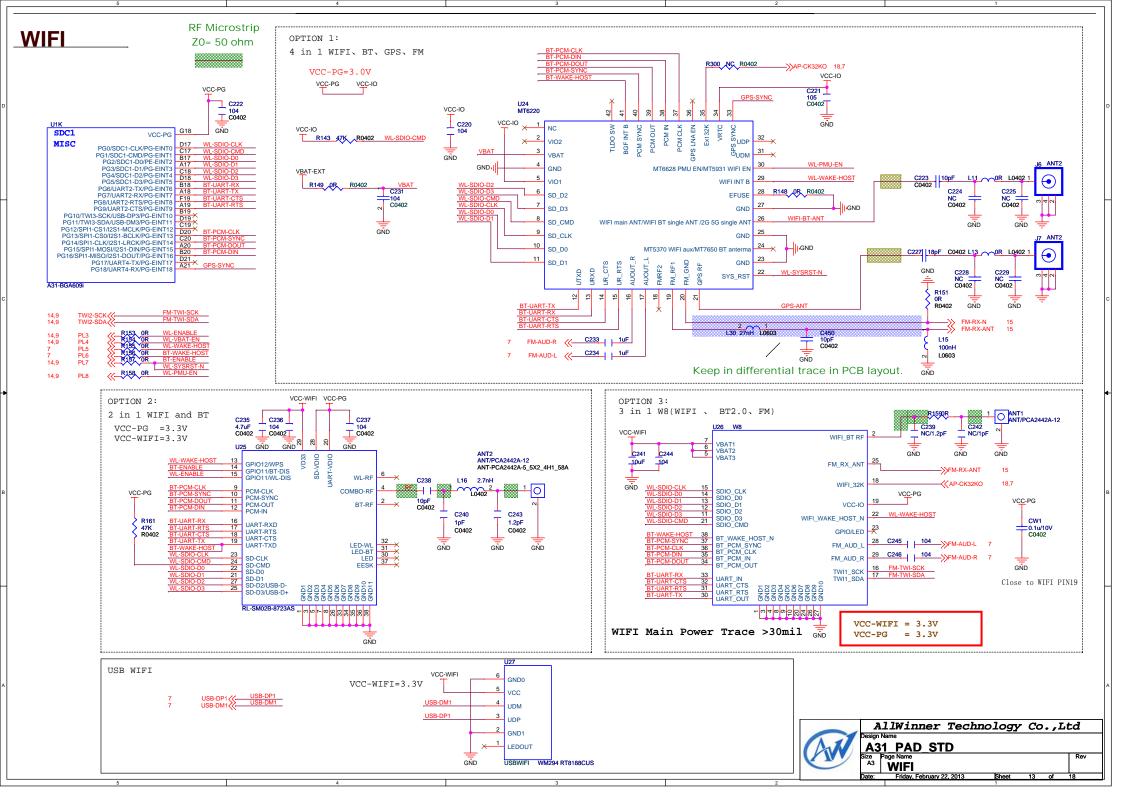








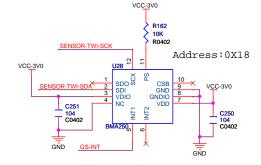




SENSORs



MMA8452Q/LIS3DH



1. The first pin paced on the left lower corner of product on top view.

VCC-3V0

FOR LIS3DH

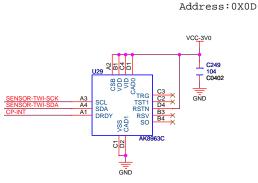
VCC-3V0 C252 104 CC0402 GND3 GND SENSOR-TWI-SCK X NC SCL R0402 GS-INT C255 C256 104 C0402 104 C0402 ĞND SENSOR-TWI-SDA R168 NC/10K R0402 VCC-3V0 GND GND R169 NC/10K R0402 MMA8452Q/LIS3DH QFN16-PT0_5-3X3H1A

NC/10K R0402

- 1. MMA8452Q:3x3x1mm
 pin 7:NC pull down resistor and pull up resistor;
 pin 8:NC pull up resistor.
- pin 8:NC pull up resistor.

 2 LIS3DH:
 pin 2:NC pull down capacitance;
 pin 7:NC pull down resistor, pull up resistor=10K;
 pin 8: pull up resistor=10K.

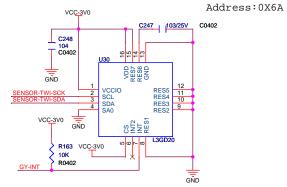
Magnetic Sensor



- 1. The first pin paced on the left lower corner of product on top view.
- 2. Not close to the metal.

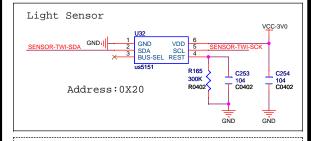
3-Axis Gyroscope

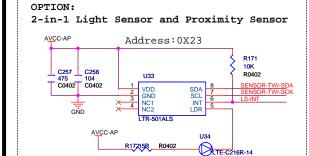
Gyroscope



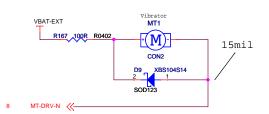
1. The first pin paced on the left lower corner of product on top view.

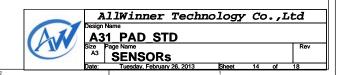
Light Sensor

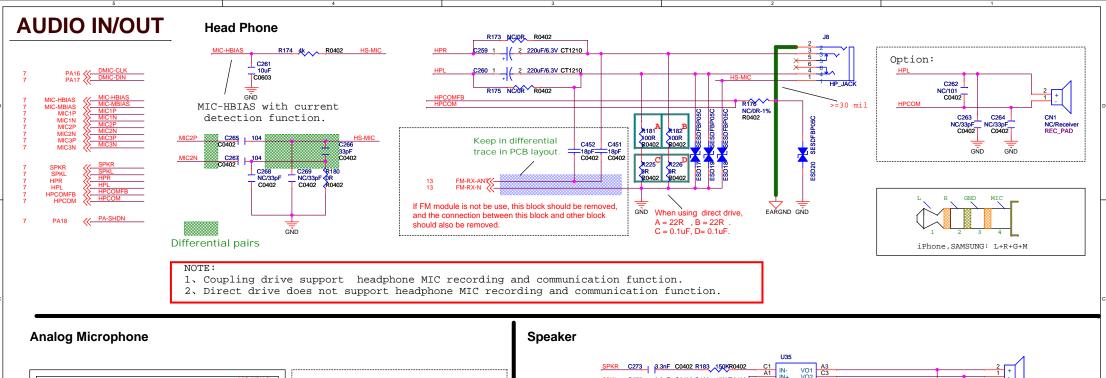


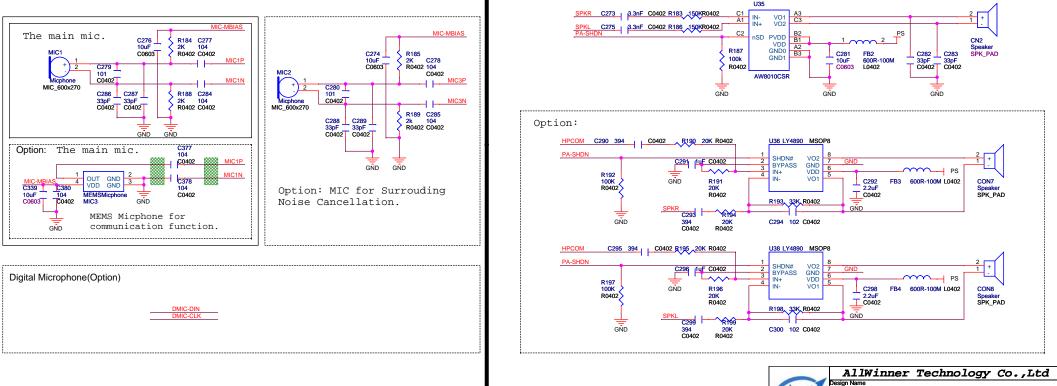


Motor







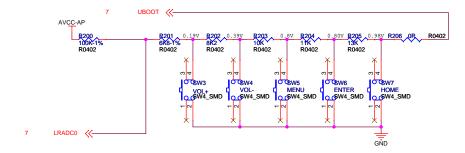


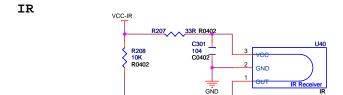
A31 PAD STD

AUDIO IN/OUT

KEY-IR-MISC

KEY





IR-RX <<-

