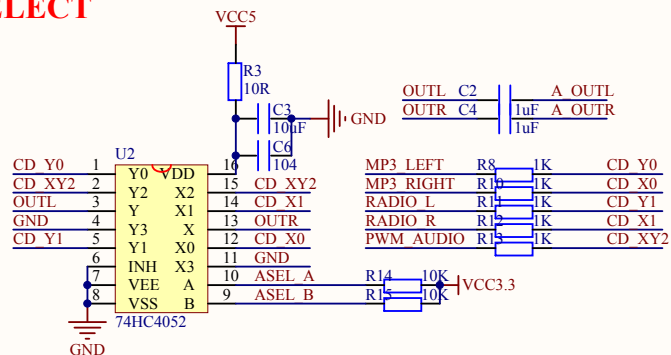
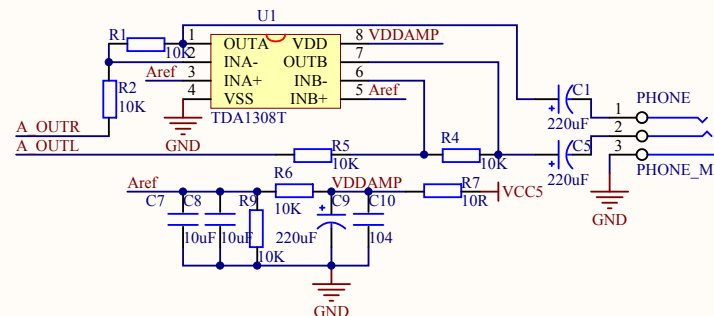


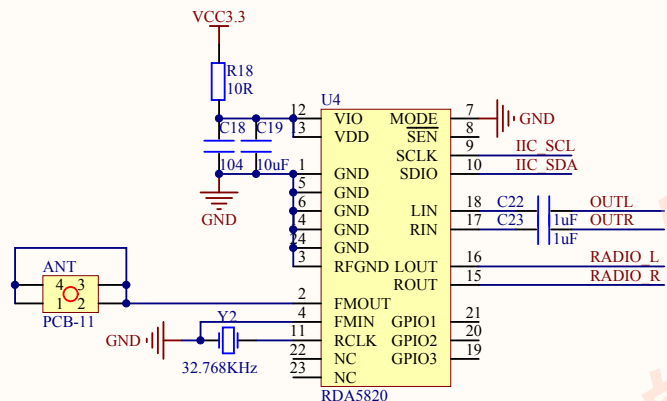
## AUDIO SELECT



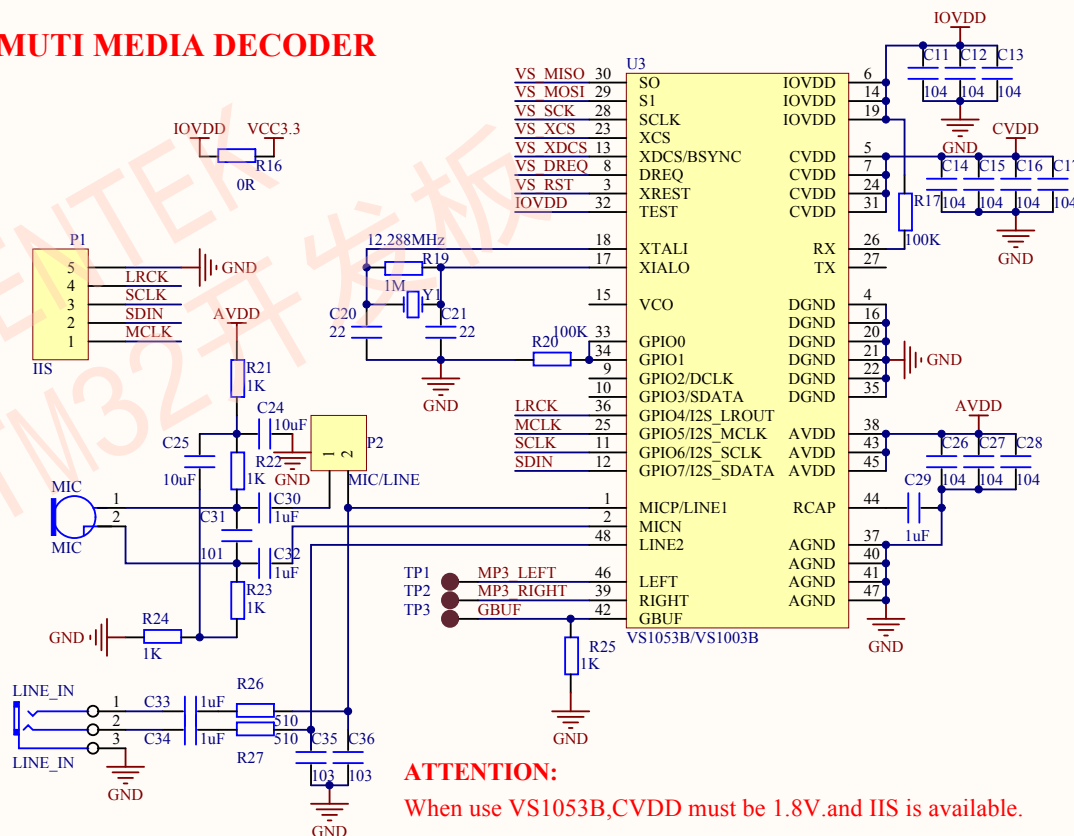
## AUDIO AMP



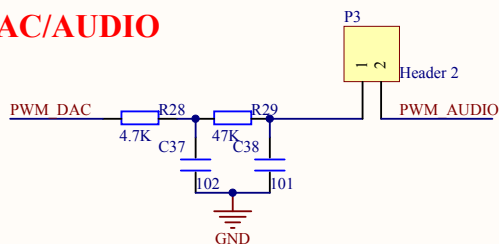
## FM



## MUTI MEDIA DECODER



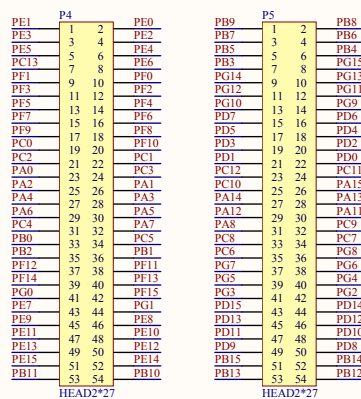
## PWM DAC/AUDIO



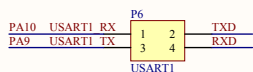
Title:  
WARSHIP STM32 Board  
Author:  
ATOM  
Date:  
2012-10-9  
Revision:  
Version:  
V1.8



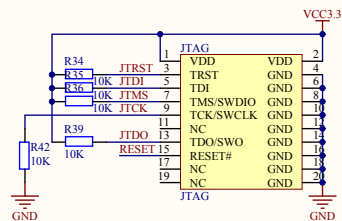
## 10



## USB\_UART/USART1

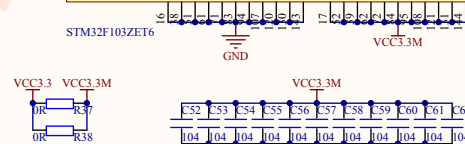


## JTAG



## MCU

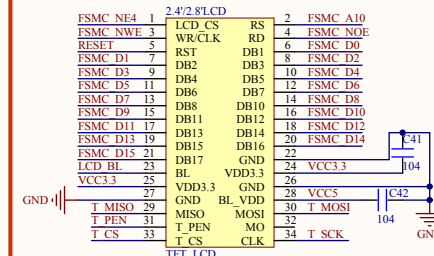
	WK UP	PA0	34	PA0-WKUP/USART2_CTS/ADC123_IN0TIM5_CH1/TIM2_CH1_ETR/TIM8_ETR	NC	106
	STM ADAC	PA1	35	PA1/USART2_RTS/ADC123_IN1/TIM5_CH2/TIM2_CH2		141
	USART2_TX	PA2	36	PA2/USART2_CK/DAC_OUT2/TIM5_CH3/TIM2_CH3	PE0/TIM4_ETR/FSMC_NBL0	142
	USART2_RX	PA3	37	PA3/USART2_RX/ADC123_IN3/TIM5_CH4/TIM2_CH4	PE1/FSMC_NBL1	143
	STM DAC	PA4	40	PA4/SP1_NSS/DAC_OUT2/USART2_CK/ADC12_IN4	PE2/TRACED3/FSMC_A2	2
VS_SCK	SP1_SCK	PA5	41	PA5/SP1_SCK/DAC_OUT2/ADC12_IN5	PE3/TRACED0/FSMC_A1	1
VS_MISO	SP1_MISO	PA6	42	PA6/SP1_MISO/TIM8_BKIN/ADC12_IN6/TIM3_CH1	PE4/TRACED1/FSMC_A20	3
VS_MISO	SP1_MOSI	PA7	43	PA7/SP1_MOSI/TIM3_CH1/ADC12_IN7/TIM3_CH2	PE5/TRACED2/FSMC_A21	4
	OV_VSSNC	PA8	100	PA8/USART1_CK/TIM1_CH1/MCO	PE6/TRACED3/FSMC_A22	58
	USART1_TX	PA9	101	PA9/USART1_TX/TIM1_CH2	PE7/FSMC_A4	39
	USART1_RX	PA10	102	PA10/USART1_RX/TIM1_CH3	PE8/FSMC_D5	38
	USB_D+	PA11	103	PA11/USART1_CTS/CAN_RX/TIM1_CH4/USBDM	P9/FSMC_D6	63
	USB_D-	PA12	104	PA12/USART1_RTS/CAN_TX/TIM1_ETR/USBDM	P10/FSMC_D7	64
	JTMS	PA13	105	PA13/JTMS_SWID0	PE11/FSMC_D8	65
	JTCK	PA14	109	PA14/JTCK_SWCLK	PE12/FSMC_D9	66
	JTDI	PA15	110	PA15/JTDI/SP13_NSS/12S3_WS	PE13/FSMC_D10	67
					PE14/FSMC_D11	68
					PE15/FSMC_D12	69
	LCD BL	PB0	46	PB0/ADC12_IN8/TIM5_CH3/TIM8_CH2N		107
	T_SCK	PB1	47	PB1/ADC12_IN9/TIM5_CH4/TIM8_CH3N		108
T_CS	BOOT1	PB2	48	PB2/BOOT1	PF0/FSMC_A10	11
FIFO_WEN	JTDO	PB3	133	PB3/JTDO/TRACESWO/SP13_SCK/12S3_CK	PF1/FSMC_A11	12
FIFO_RCLK	JTRST	PB4	134	PB4/INTST/SP13_MISO	PF2/FSMC_A2	13
	LEDP	PB5	135	PB5/12C1_SMBAL/SP13_MOSI/12S3_SD	PF3/FSMC_A3	14
	PWM DAC	PB6	136	PB6/12C1_SCL/TIM4_CH1	PF4/FSMC_A4	15
	ASEL_B	PB7	137	PB7/12C1_SDA/FSMC_NADV/TIM4_CH2	PF5/FSMC_A5	16
	BEEP	PB8	139	PB8/TIM4_CH3/SDIO_D4	PF6/TIM4_IN4/FSMC_NIRD	18
	REMOTE IN	PB9	140	PB9/TIM4_CH4/SDIO_D5	PF7/ADC3_IN5/FSMC_NREG	20
	IIC_SCL	PB10	69	PB10/12C2_SCL/USART3_TX	PF8/ADC3_IN6/FSMC_NIOWR	21
	IIC_SDA	PB11	70	PB11/12C2_SDA/USART3_RX	PF9/ADC3_IN7/FSMC_CD	22
	F_CS	PB12	73	PB12/SP12_NSS/12S2_WS/12C2_SMBAL/USART3_CK/TIM1/BKIN/PE10/ADC3_IN8/FSMC_INT2	PF11/FSMC_NIO16	49
	SP12_SCK	PB13	74	PB13/SP12_SCK/12S2_CK/ADC3_CTS/TIM1_CHIN	PF12/FSMC_A6	53
	SP12_MISO	PB14	75	PB14/SP12_MISO/USART3_RTS/TIM1_CH2N	PF13/FSMC_A7	54
	SP12_MOSI	PB15	76	PB15/SP12_MOSI/12S2_SD/TIM1_CH3N	PF14/FSMC_A8	55
					PF15/FSMC_A9	56
	OV_D0	PC0	26	PC0/ADC123_IN10		109
	OV_D1	PC1	27	PC1/ADC123_IN11		110
	OV_D2	PC2	28	PC2/ADC123_IN12		111
	OV_D3	PC3	29	PC3/ADC123_IN13	PG0/FSMC_A10	57
	OV_D4	PC4	44	PC4/ADC12_IN14	PG2/FSMC_A12	88
	OV_D5	PC5	45	PC5/ADC12_IN15	PG3/FSMC_A13	89
	OV_D6	PC6	96	PC6/12S2_MCK/TIM8_CH1/SDIO_D6	PG4/FSMC_A14	90
	OV_D7	PC7	97	PC7/12S3_MCK/TIM8_CH2/SDIO_D7	PG5/FSMC_A15	91
JOY_LAT	SDIO_D0	PC8	98	PC8/TIM3_CH3/SDIO_D0	PG6/FSMC_INT2	92
JOY_DAT	SDIO_D1	PC9	99	PC9/TIM3_CH4/SDIO_D1	PG7/FSMC_INT3	93
PS_DAT	SDIO_D2	PC10	111	PC10/UART4_TX/SDIO_D2	PG8	126
PS_CLK	SDIO_D3	PC11	112	PC11/UART4_RX/SDIO_D3	PG9/FSMC_NE2/FSMC_NCE13	127
JOY_CLK	SDIO_SCK	PC12	113	PC12/UART5_TX/SDIO_CK	PG10/FSMC_NCE4_1/FSMC_NCE1	128
	VS_DREQ	PC13	7	PC13-TAMPER-RTC	PG11/FSMC_NCE4_2	129
			8	PC14-OSC32_IN	PG12/FSMC_A24	130
			9	PC15-OSC32_OUT	PG13/FSMC_NCE4	131
					PG14/FSMC_A25	132
					PG15	133
	FSMC D2	PD0	114	PD0/FSMC_D2		134
	FSMC D3	PD1	115	PD1/FSMC_D3		135
	SDIO CMD	PD2	116	PD2/TIM3_ETR/UART5_RX/SDIO_CMD	VBAT	6
	OV_SCL	PD3	117	PD3/FSMC_CLK		136
	FSMC_NOE	PD4	118	PD4/FSMC_NOE		137
	FSMC_NWE	PD5	119	PD5/FSMC_NWE	OSC_IN	23
	FIFO_WRST	PD6	122	PD6/FSMC_NWAIT	OSC_OUT	24
	ASEL_A	PD7	123	PD7/FSMC_NE1/FSMC_NCE2		25
	FSMC D13	PD8	77	PD8/FSMC_D13	NRST	24
	FSMC D14	PD9	78	PD9/FSMC_D14		32
	FSMC D15	PD10	79	PD10/FSMC_D15	Vref1	32
	FSMC A16	PD11	80	PD11/FSMC_A16		31
	FSMC A17	PD12	81	PD12/FSMC_A17	Vref0	31
	FSMC A18	PD13	82	PD13/FSMC_A18		33
	FSMC D0	PD14	85	PD14/FSMC_D0	VDDA	33
	FSMC D1	PD15	86	PD15/FSMC_D1	VSSA	30
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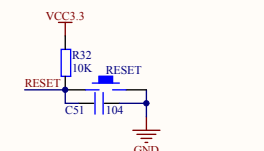
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FSMC_A3	4		A3	I0I12	35	FSMC_D12
FSMC_A4	5		A4	I0I11	34	FSMC_D11
FSMC_A5	6	18	A5	I0I10	31	FSMC_D10
FSMC_A6	19		A6	I0I09	30	FSMC_D9
FSMC_A7	20		A7	I0I08	29	FSMC_D8
FSMC_A8	21		A8	I0I07	16	FSMC_D7
FSMC_A9	22		A9	I0I06	15	FSMC_D6
FSMC_A10	23		A10	I0I05	14	FSMC_D5
FSMC_A11	24		A10	I0I05	13	FSMC_D4
FSMC_A12	25		A11	I0I04	10	FSMC_D3
FSMC_A13	26		A12	I0I03	9	FSMC_D2
FSMC_A14	27		A13	I0I02	8	FSMC_D1
FSMC_A15	28		A14	I0I01	7	FSMC_D0
FSMC_A16	43		A15	I0I00		
FSMC_A17	44		A17			
FSMC_A18	28		A18/NC	UB	40	FSMC_NB1L
FSMC_A19	29			LB	39	FSMC_NB0L
FSMC_A20	30		VDD	OE	38	FSMC_NC1E
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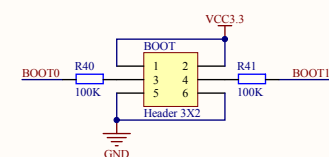
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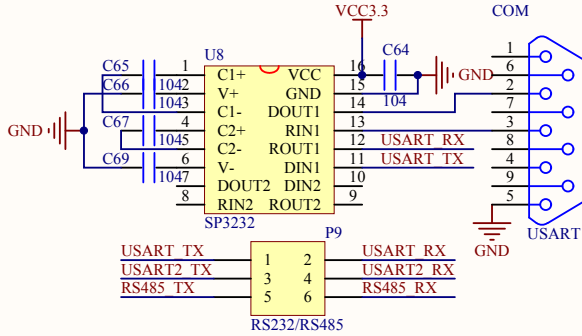
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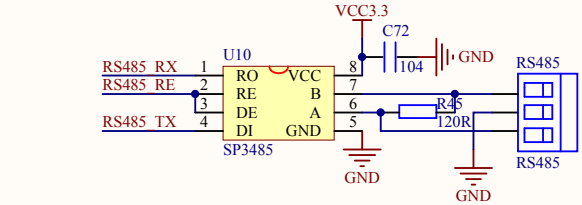
## BOOT



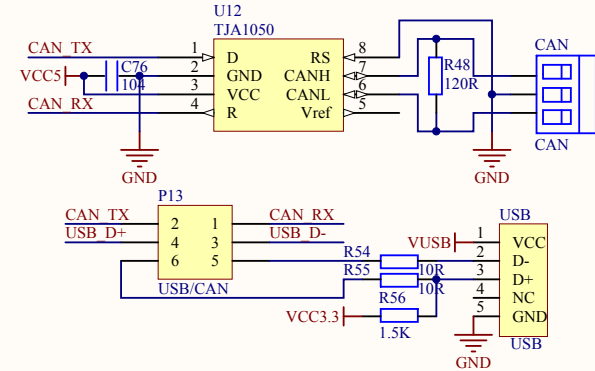
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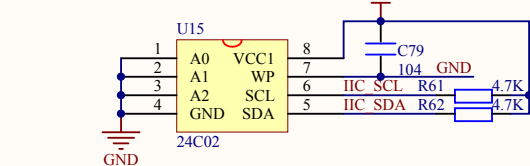
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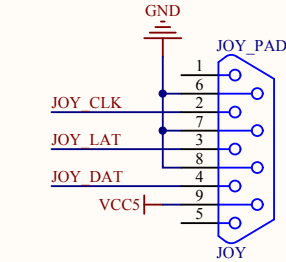
## CAN&USB



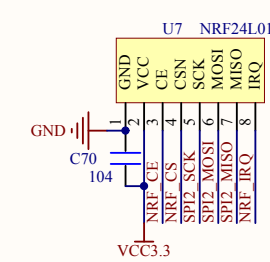
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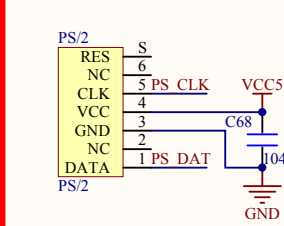
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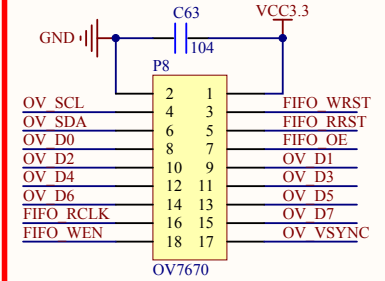
## WIRELESS



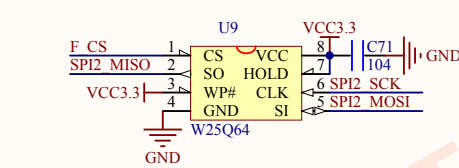
## PS/2



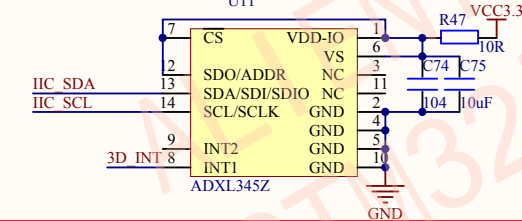
## OLED&CAMERA



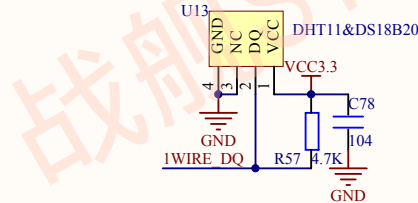
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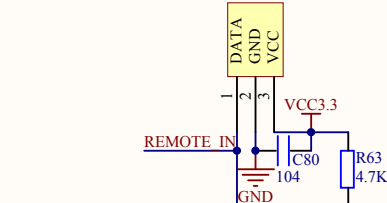
## 3D SENSOR



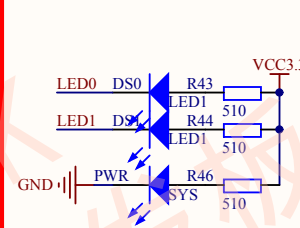
## TEMP&HUMI SENSOR



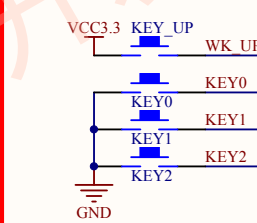
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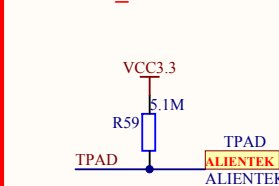
## LED



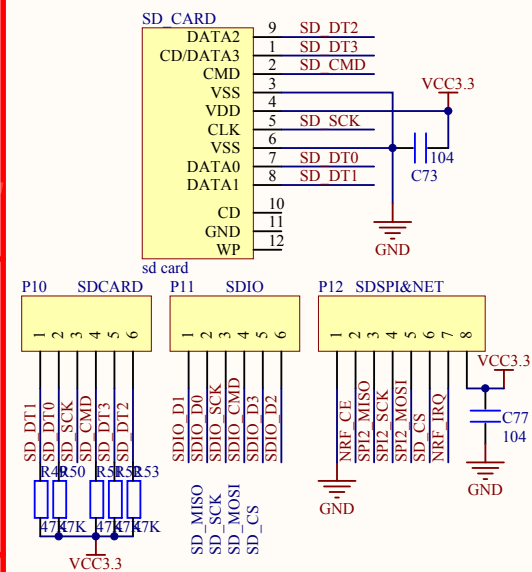
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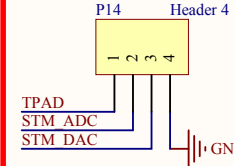
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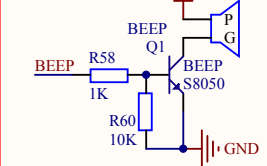
## SD CARD&INTERNET



## ADC&DAC

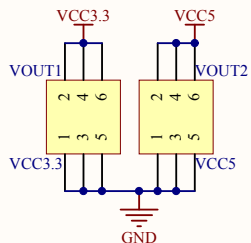


## BEEP



Title:	WARSHIP STM32 Board
Author:	ATOM
Date:	2012-10-9
Revision:	1
Size:	A4
File:	DEVICES.SchDoc
Version:	V1.8





When use VS1053B,CVDD must be 1.8V.and IIS is available.

[illegible]

Title: WARSHIP STM32 Board	
Author: ATOM	Size: A4
Date: 2012-10-9	File: POWER&USB USART.SchDoc
Revision: 0	Version: V1.8



ALIENTEK

