

# MCU\_A

U1A

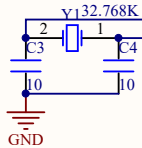
	WK UP	PA0	34	PA0-WKUP/USART2_CTS/ADC123_IN0/TIM5_CH1/TIM2_CH1_ETR/TIM8_ETR
	STM ADC	PA1	35	PA1/USART2_RTS/ADC123_IN1/TIM5_CH2/TIM2_CH2
	USART2_TX	PA2	36	PA2/USART2_TX/ADC123_IN2/TIM5_CH3/TIM2_CH3
	USART2_RX	PA3	37	PA3/USART2_RX/ADC123_IN3/TIM5_CH4/TIM2_CH4
GBC KEY	STM DAC	PA4	40	PA4/SPI1_NSS/DAC_OUT1/USART2_CK/ADC12_IN4
		PA5	41	PA5/SPI1_SCK/DAC_OUT2/ADC12_IN5
		PA6	42	PA6/SPI1_MISO/TIM8_BKIN/ADC12_IN6/TIM3_CH1
		PA7	43	PA7/SPI1_MOSI/TIM8_CH1N/ADC12_IN7/TIM3_CH2
	OV_VSYN	PA8	100	PA8/USART1_CK/TIM1_CH1/MCO
	USART1_TX	PA9	101	PA9/USART1_TX/TIM1_CH2
	USART1_RX	PA10	102	PA10/USART1_RX/TIM1_CH3
	USB_D-	PA11	103	PA11/USART1_CTS/CAN_RX/TIM1_CH4/USBDM
	USB_D+	PA12	104	PA12/USART1_RTS/CAN_TX/TIM1_ETR/USBDP
	JTMS	PA13	105	PA13/JTMS_SWIDIO
	JTCK	PA14	109	PA14/JTCK_SWCLK
GBC_LED	JTDI	PA15	110	PA15/JTDI/SPI3_NSS/I2S3_WS

	LCD_BL	PB0	46	PB0/ADC12_IN8/TIM3_CH3/TIM8_CH2N
	T_SCK	PB1	47	PB1/ADC12_IN9/TIM3_CH4/TIM8_CH3N
T_MISO	BOOT1	PB2	48	PB2/BOOT1
OV_WEN	JTDO	PB3	133	PB3/JTDO/TRACESWO/SPI3_SCK/I2S3_CK
OV_RCLK	JTRST	PB4	134	PB4/JNTRST/SPI3_MISO
	LED0	PB5	135	PB5/I2C1_SMBAL/SPI3_MOSI/I2S3_SD
	IIC_SCL	PB6	136	PB6/I2C1_SCL/TIM4_CH1
	IIC_SDA	PB7	137	PB7/I2C1_SDA/FSMC_NADV/TIM4_CH2
	BEEP	PB8	139	PB8/TIM4_CH3/SDIO_D4
	REMOTE_IN	PB9	140	PB9/TIM4_CH4/SDIO_D5
	GBC_RX	PB10	69	PB10/I2C2_SCL/USART3_TX
	GBC_TX	PB11	70	PB11/I2C2_SDA/USART3_RX
	F_CS	PB12	73	PB12/SPI2_NSS/I2S2_WS/I2C2_SMBAL/USART3_CK/TIM1BKIN
	SPI2_SCK	PB13	74	PB13/SPI2_SCK/I2S2_CK/USART3_CTS/TIM1_CH1N
	SPI2_MISO	PB14	75	PB14/SPI2_MISO/USART3_RTS/TIM1_CH2N
	SPI2_MOSI	PB15	76	PB15/SPI2_MOSI/I2S2_SD/TIM1_CH3N

	OV_D0	PC0	26	PC0/ADC123_IN10
	OV_D1	PC1	27	PC1/ADC123_IN11
	OV_D2	PC2	28	PC2/ADC123_IN12
	OV_D3	PC3	29	PC3/ADC123_IN13
	OV_D4	PC4	44	PC4/ADC12_IN14
	OV_D5	PC5	45	PC5/ADC12_IN15
	OV_D6	PC6	96	PC6/I2S2_MCK/TIM8_CH1/SDIO_D6
	OV_D7	PC7	97	PC7/I2S3_MCK/TIM8_CH2/SDIO_D7
	SDIO_D0	PC8	98	PC8/TIM8_CH3/SDIO_D0
	SDIO_D1	PC9	99	PC9/TIM8_CH4/SDIO_D1
	SDIO_D2	PC10	111	PC10/UART4_TX/SDIO_D2
	SDIO_D3	PC11	112	PC11/UART4_RX/SDIO_D3
	SDIO_SCK	PC12	113	PC12/UART5_TX/SDIO_CK
		PC13	7	PC13-TAMPER-RTC
			8	PC14-OSC32_IN
			9	PC15-OSC32_OUT

	FSMC_D2	PD0	114	PD0/FSMC_D2
	FSMC_D3	PD1	115	PD1/FSMC_D3
	SDIO_CMD	PD2	116	PD2/TIM3_ETR/UART5_RX/SDIO_CMD
	OV_SCL	PD3	117	PD3/FSMC_CLK
	FSMC_NOE	PD4	118	PD4/FSMC_NOE
	FSMC_NWE	PD5	119	PD5/FSMC_NWE
	OV_WRST	PD6	122	PD6/FSMC_NWAIT
	RS485_RE	PD7	123	PD7/FSMC_NE1/FSMC_NCE2
	FSMC_D13	PD8	77	PD8/FSMC_D13
	FSMC_D14	PD9	78	PD9/FSMC_D14
	FSMC_D15	PD10	79	PD10/FSMC_D15
		PD11	80	PD11/FSMC_A16
		PD12	81	PD12/FSMC_A17
		PD13	82	PD13/FSMC_A18
	FSMC_D0	PD14	85	PD14/FSMC_D0
	FSMC_D1	PD15	86	PD15/FSMC_D1

STM32F103ZET6\_AB

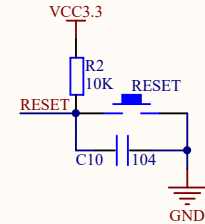


# LCD

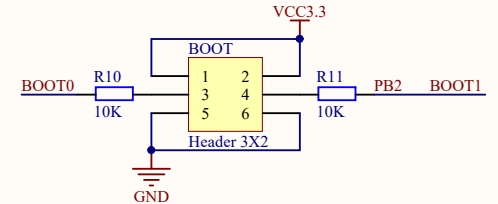
FSMC_NE4	1	TFT_LCD	CS	RS	2	FSMC_A10
FSMC_NWE	3		WR	RD	4	FSMC_NOE
RESET	5		RST	DB0	6	PD14
FSMC_D1	PD15	7	DB1	DB2	8	PD0
FSMC_D3	PD1	9	DB3	DB4	10	PE7
FSMC_D5	PE8	11	DB5	DB6	12	PE9
FSMC_D7	PE10	13	DB7	DB8	14	PE11
FSMC_D9	PE12	15	DB9	DB10	16	PE13
FSMC_D11	PE14	17	DB11	DB12	18	PE15
FSMC_D13	PD8	19	DB13	DB14	20	PD9
FSMC_D15	PD10	21	DB15	GND	22	
LCD_BL	23		BL	VDD3.3	24	VCC3.3
VCC3.3	25		VDD3.3	GND	26	
	27		GND	BL_VDD	28	VCC5
PB2	GND		MISO	MOSI	30	
PF10	T_PEN	31	T_PEN	MO	32	PF9
PF11	T_CS	33	T_CS	CLK	34	PB1


TFTLCD

# RESET



# BOOT

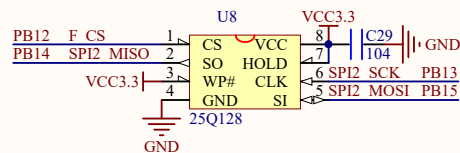


Title:		 正点原子
ALIENTEK Elite STM32F103 Board		
Author:	Size:	
ATOM	A4	
Date:	File:	
2022/5/20	CORE ABCD.SchDoc	
Revision:	Version:	
*	V2.5	

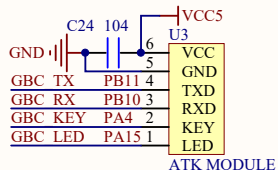
正点原子



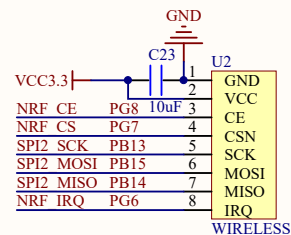
## SPI FLASH



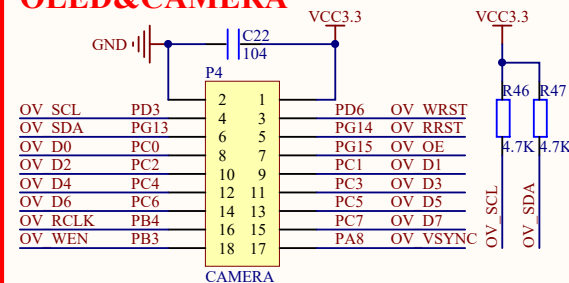
## ATK MODULE



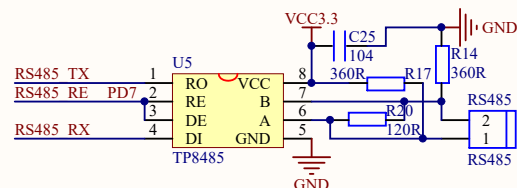
## WIRELESS



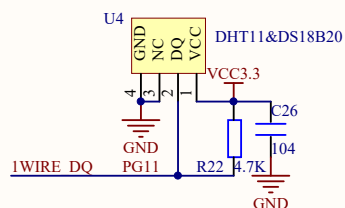
## OLED&CAMERA



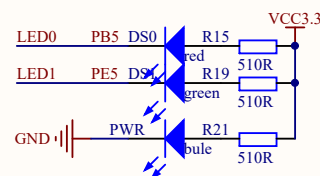
## RS485



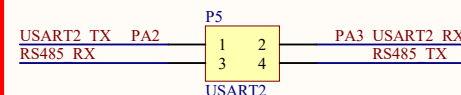
## TEMP&HUMI SENSOR



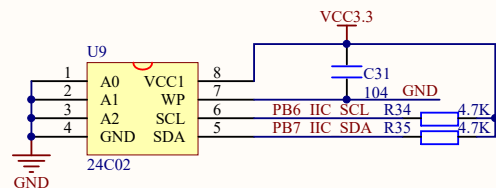
## LED



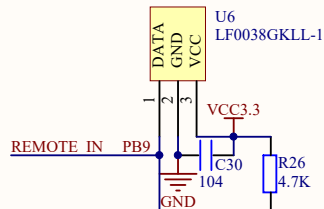
## RS485 SELECT



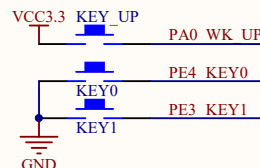
## EEPROM



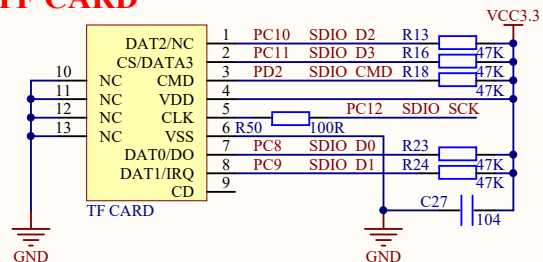
## REMOTE



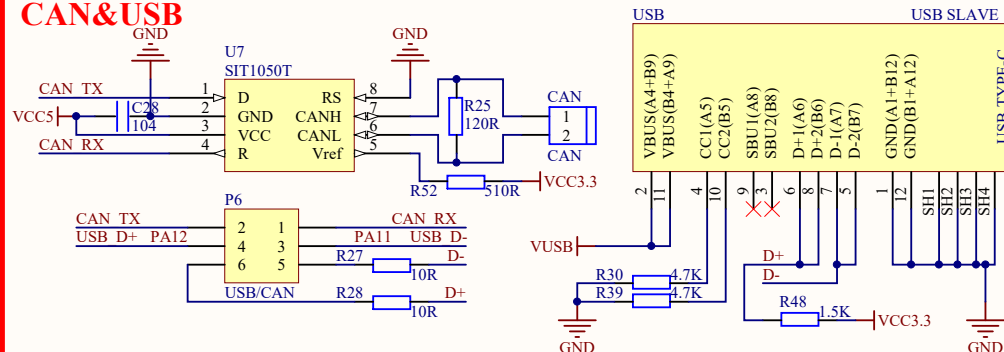
## KEY



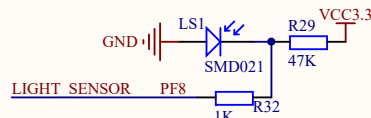
## TF CARD



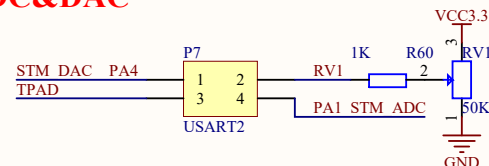
## CAN&USB



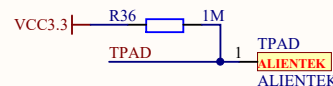
## LIGHT\_SENSOR



## ADC&DAC



## TOUCH\_KEY

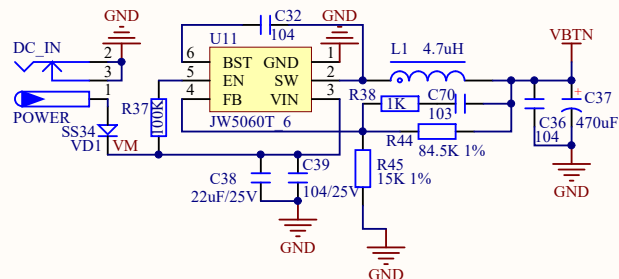


File:  
ALIENTEK Elite STM32F103 Board  
Author:  
ATOM  
Date:  
2022/5/20  
Revision:  
V2.5

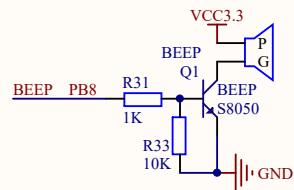


正点原子

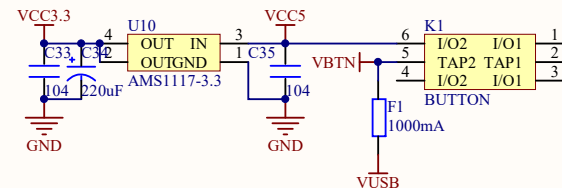
## DC POWER IN



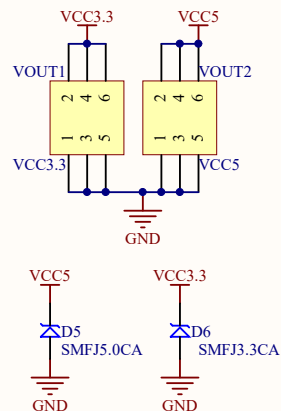
## BEEP



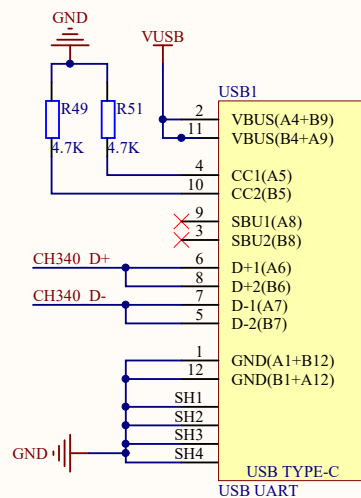
## 3.3V & POWER SWITCH



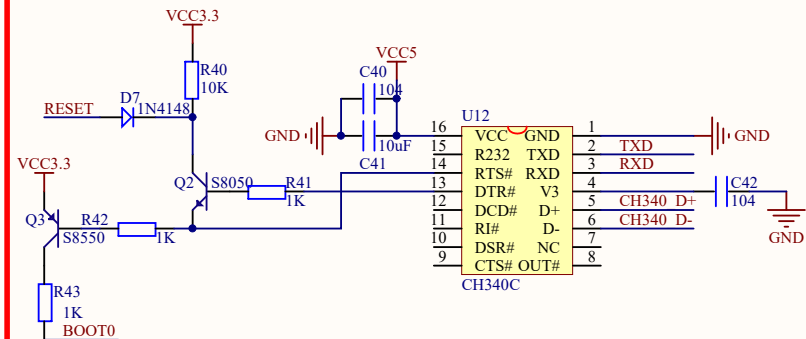
## ON BOARD POWER SOURCE




## USB USART



## USB POWER



Title: ALIENTEK Elite STM32F103 Board		 正点原子
Author: ATOM	Size: A4	
Date: 2022/5/20	File: POWER&USB USART.SchDoc	
Revision: 1	Version: V2.5	

