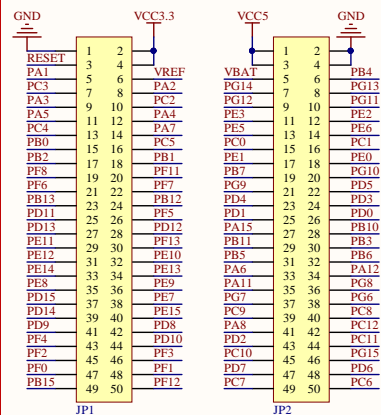
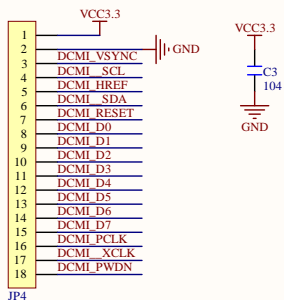


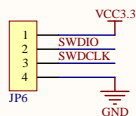
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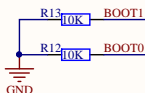
OLED&CAMERA



SWD



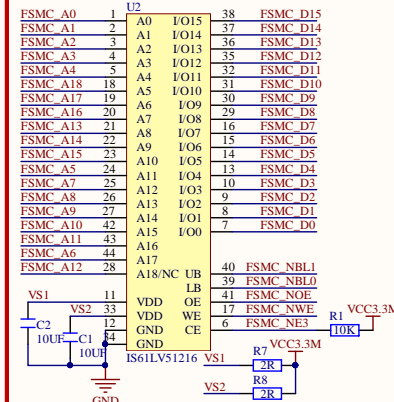
BOOT



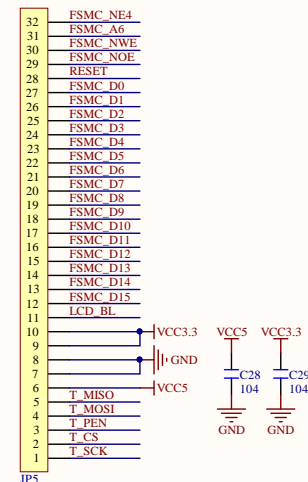
MCU

STM DAC	WK_UP	PA0	34	U1	PA0-WKUP/U2_CTS/U4_TX/ETH_MII CRS/TIM2_CH1_ETR/TIM5_CH1/TIM8_ETR/ADC123_IN0	PE0/TIM4_ETR/FSMC_NBL0/DCMI_D2	141	PE0	FSMC_NBL0
		PA1	35		PA1/U2_RTS/U4_RX/ETH_RMII_REF_CLK/ETH_MII_RX_CLK/TIM5_CH2/TIM5_CH2/ADC123_IN1	PE1/FSMC_NBL1/DCMI_D3	142	PE1	FSMC_NBL1
		PA2	36		PA2/U2_TX/TIM2_CH3/TIM5_CH3/TIM9_CH1/ETH_MDIO/ADC123_IN2	PE2/TRACECLK/FSMC_A23/ETH_MII_TXD3	2	PE2	
		PA3	37		PA3/U2_RX/TIM2_CH4/TIM5_CH4/TIM9_CH2/OTG_HS_ULPI/D0/ETH_MII_COL/ADC123_IN3	PE3/TRACED0/FSMC_A19	3	PE4	KEY0
	DCMI_HREF	PA4	40		PA4/SP1_NSS/U2_CK/DCMI_HS/NOCTG_HS_SOF/I2S3_W5/DACL_OUT/ADC12_IN4	PE4/TRACED1/FSMC_A20/DCMI_D4	4	PE5	DCMI_D6
	STM_DAC	PA5	41		PA5/SP1_SCK/OTG_HS_ULPI_CLK/TIM2_CH1_ETR/TIM8_CH1N/DAC2_OUT/ADC12_IN5	PE5/TRACED2/FSMC_A21/TIM9_CH1/DCMI_D6	5	PE6	DCMI_D7
	DCMI_PCLK	PA6	42		PA6/SP1_MISO/TIM1_BKIN/TIM5_CH1/TIM8_BKIN/TIM5_CH1/DCMI_PCLK/ADC12_IN6	PE6/TRACED3/FSMC_A22/TIM9_CH2/DCMI_D7	6	PE7	FSMC_D8
		PA7	43		PA7/SP1_MOSI/TIM1_CH1N/TIM5_CH2/TIM8_CH1N/TIM14_CH1/ETH_MII_RX_DV/ETH_RMII CRS_DV/ADC12_IN7	PE7/FSMC_D4/TIM1_ETR	58	PE7	FSMC_D4
	DCMI_XCLK	PA8	100		PA8/TIM1_CH1/U1_CK/I2C3_SCL/MCO1/ETH_SOF	PE8/FSMC_D5/TIM1_CH1N	59	PE8	FSMC_D5
	USART1_TX	PA9	101		PA9/TIM1_CH2/U1_CK/I2C3_SMB/A0/OTG_HS_VBUS/DCMI_D0	PE9/FSMC_D6/TIM1_CH1	60	PE9	FSMC_D6
T_MISO	USART1_RX	PA10	102		PA10/TIM1_CH3/U1_RX/OTG_HS_ID/DCMI_D1	PE10/FSMC_D7/TIM1_CH2N	63	PE10	FSMC_D7
	USB_D+	PA11	103		PA11/TIM1_CH4/U1_CTS/CAN1_RX/OTG_HS_FS_DM	PE11/FSMC_D8/TIM1_CH2	64	PE11	FSMC_D8
	USB_D-	PA12	104		PA12/TIM1_ETR/U1_RTS/CAN1_TX/OTG_HS_DP	PE12/FSMC_D9/TIM1_CH3N	65	PE12	FSMC_D9
	SWDIO	PA13	105		PA13/JTMS_SWDIO	PE12/FSMC_D9/TIM1_CH3N	66	PE13	FSMC_D10
	SWDCLK	PA14	109		PA14/JTCK_SWCLK	PE13/FSMC_D10/TIM1_CH3	67	PE14	FSMC_D11
		PA15	110		PA15/JTD0/SP1_NSS/SP3_NSS/TIM2_CH1_ETR/I2S3_W5	PE14/FSMC_D11/TIM1_CH4	68	PE15	FSMC_D12
						PE15/FSMC_D12/TIM1_BKIN			
SPI_SCK	T_SCK	PB0	46		PB0/TIM1_CH2N/TIM3_CH3/TIM8_CH2N/OTG_HS_ULPI_D1/ETH_MII_RXD2/ADC12_IN8	PF0/FSMC_A0/I2C2_SDA	10	PF0	FSMC_A0
	T_PEN	PB1	47		PB1/TIM1_CH3N/TIM3_CH4/TIM8_CH3N/OTG_HS_INTN/ETH_MII_RXD3/ADC12_IN9	PF1/FSMC_A1/I2C2_SCL	11	PF1	FSMC_A1
	BOOT1	PB2	48		PB2/BOOT1	PF2/FSMC_A2/I2C2_SMB	12	PF2	FSMC_A2
		PB3	133		PB3/JTDO/TRACESWO/TIM2_CH2/SPI_SCK/SP3_SCK/I2S3_CK	PF3/FSMC_A3/ADC3_IN9	13	PF3	FSMC_A3
		PB4	134		PB4/JTNRST/TIM3_CH1/SP1_MISO/SP3_MISO/I2S3ext_SD	PF4/FSMC_A4/ADC3_IN15	14	PF4	FSMC_A4
		PB5	135		PB5/TIM3_CH2/SP1_MOSI/SP3_MOSI/CAN2_RX/I2C1_SMB/A0/OTG_HS_ULPI_D7/ETH_PPS_OUT/DCMI_D10/I2S3_SD	PF5/FSMC_A5/ADC3_IN14	15	PF5	FSMC_A5
	DCMI_D5	PB6	136		PB6/TIM4_CH1/U1_TX/CAN2_SCL/OTG_HS_ULPI_D3/I2S2_CK	PF6/TIM10_CH1/ETH_MII_TXD0	18	PF6	
	DCMI_VSYNC	PB7	137		PB7/TIM4_CH2/U1_RX/FSMC_NL/I2C1_SDA/DCMI_VSYNC	PF7/TIM11_CH1/FSMC_NIOR/ADC3_IN5	19	PF7	
	IC_SCL	PB8	139		PB8/TIM4_CH3/TIM10_CH1/CAN1_RX/Sdio_D04/ETH_MII_TXD3/I2C1_SCL/DCMI_D6	PF8/TIM11_CH1/FSMC_NIWR/ADC3_IN6	20	PF8	
	IC_SDA	PB9	140		PB9/TIM4_CH4/TIM11_CH1/CAN1_TX/Sdio_D05/SP2_NSS/I2C1_SDA/DCMI_D7/I2S2_WS	PF9/TIM11_CH1/FSMC_CD/ADC3_IN7	21	PF9	LED0
F_CS		PB10	69		PB10/SP12_SCK/TIM2_CH3/U3_TX/I2C2_SCL/OTG_HS_ULPI_D3/I2S2_CK	PF10/FSMC_INTR/ADC3_IN8	22	PF10	LED0
		PB11	70		PB11/TIM2_CH4/U3_RX/I2C2_SDA/ETH_MII_ULPI_D4/ETH_MII_TX_EN	PF11/DCMI_D12	49	PF11	T_MOSI
		PB12	73		PB12/SP2_NSS/TIM1_BKIN/U3_CK/CAN2_RX/I2C2_SMB/A0/OTG_HS_ULPI_D5/OTG_HS_ID/ETH_MII_TXD0/ETH_RMII_TXD0/I2S2_PWS/DCMI_A6	PF12/FSMC_A6	50	PF12	FSMC_A6
		PB13	74		PB13/SP2_SCK/TIM1_CH1N/U3_CTS/CAN2_TX/OTG_HS_ULPI_D6/OTG_HS_VBUS/ETH_MII_TXD1/ETH_RMII_TXD1/I2S2_CK	PF13/FSMC_A7	53	PF13	FSMC_A7
		PB14	75		PB14/SP2_MISO/TIM1_CH2N/TIM8_CH2N/TIM12_CH1/U3_RTS/OTG_HS_DM/I2S2ext_SD	PF14/FSMC_A8	54	PF14	FSMC_A8
		PB15	76		PB15/SP2_MOSI/TIM1_CH3N/TIM8_CH3N/TIM12_CH2/OTG_HS_DP/I2S2_SD	PF15/FSMC_A9	55	PF15	FSMC_A

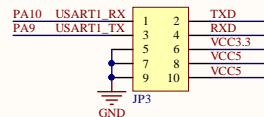
SRAM




LCD

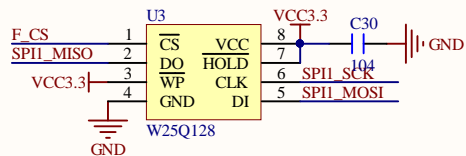


USB_TTL/USART1

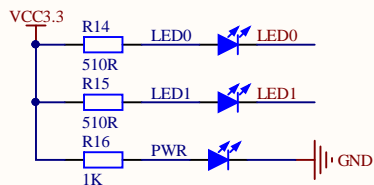


Title:	STM32F407 EXPLORER_CORE		
ProjectName:	STM32F407_CORE_BOARD.PrjPCB		
Author:	ALIENTEK@LZY		
Date: 2019/10/18	Version:	V1.0	

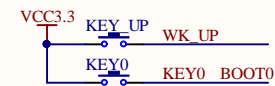
FLASH



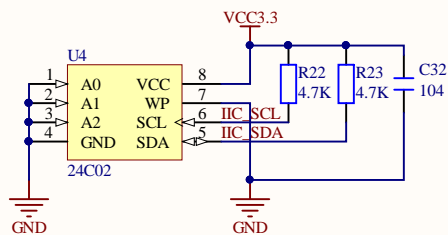
LED



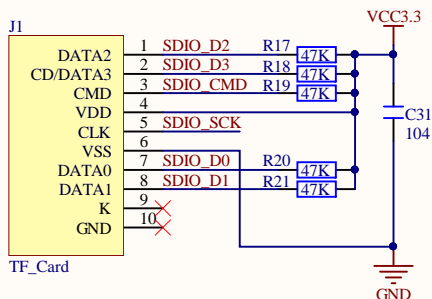
KEY



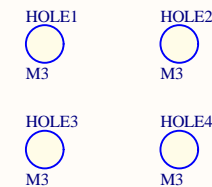
EEPROM



TF CARD



M3过孔



Title:	STM32F407 EXPLORER_DEVICES	ALIENTEK
ProjectName:	STM32F407_CORE_BOARD.PrjPCB	
Author:	ALIENTEK@LZY	
Date: 2019/10/18	Version: V1.0	

A



A



C

D

ALIENTEK

80.00mm

STM32F407
Core Board

正点原子

74.40mm

50.00mm

44.40mm

