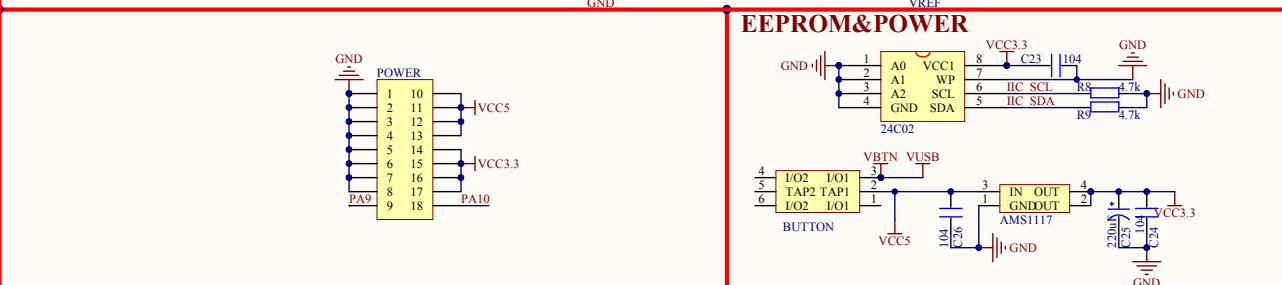
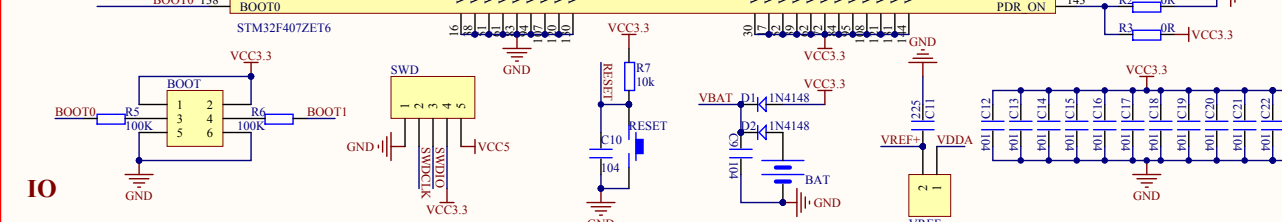
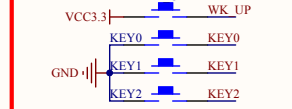


# MCU

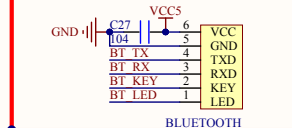
WK UP	PA0	34	PA0/TIM4_ETR_FSMC_NBL0/DCMI_D3	141	PE0	FSMC_NBL0		
PA1	35	PA1/U2_RTS/U4_RX/ETH_RMII_REF_CLK/ETH_MII_RX_CLK/TIM2_CH2/TIM5_CH2/ADC123_IN1	PE1	FSMC_NBL1	DCMI_D3	142	PE1	FSMC_NBL1
PA2	36	PA2/U2_TX/TIM2_CH3/TIM5_CH3/TIM9_CH1/ETH_MDIO/ADC123_IN2	PE2	TRACECLK_FSMC_A23/ETH_MII_TXD3	1	PE2	KEY2	
PA3	37	PA3/U2_RX/TIM2_CH4/TIM5_CH4/TIM9_CH2/OTG_HS_ULPI_D0/ETH_MII_COL/ADC123_IN3	PE3	TRACED0_FSMC_A19	2	PE3	KEY1	
PA4	40	PA4/SP11_NSS/U2_CK/DCMI_HSYNC/OTG_HS_SOF/I2S3_WS/DAC1_OUT/ADC12_IN4	PE4	TRACED1_FSMC_A20/DCMI_D4	3	PE4	KEY0	
PA6	42	PA6/SP11_SCK/OTG_HS_ULPI_CK/TIM2_CH1_ETR/TIM8_CH1N/DAC2_OUT/ADC12_IN5	PE5	TRACED2_FSMC_A21/TIM9_CH1/DCMI_D6	5	PE6		
PA7	43	PA7/SP11_MISO/TIM1_BKIN/TIM3_CH1/TIM8_BKIN/TIM13_CH1/DCMI_PIXCLK/ADC12_IN7	PE6	TRACED3_FSMC_A22/TIM9_CH2/DCMI_D7	58	PE7	FSMC_D4	
PA8	100	PA8/TIM3_MOSI/TIM1_CH1N/TIM3_CH2/TIM8_CH1N/TIM14_CH1/ETH_MII_RX_DV/ETH_RMII_CRS_DV/ADC12_IN8	PE7	FSMC_D4/TIM1_ETR	59	PE8	FSMC_D5	
PA9	101	PA9/TIM1_CH2/U1_CK/I2C3_SCL/MCO1/OTG_HS_SOF	PE8	SCL/MCO1/OTG_HS_SOF	60	PE9	FSMC_D6	
PA10	102	PA10/TIM1_CH3/U1_RX/OTG_HS_ID/DCMI_D0	PE9	FSMC_D6/TIM1_CH2	63	PE10	FSMC_D7	
PA11	103	PA11/TIM1_CH4/U1_CTS/CAN1_RX/OTG_FS_DM	PE10	FSMC_D7/TIM1_CH1N	64	PE11	FSMC_D8	
PA12	104	PA12/TIM1_ETR/U1_RTS/CAN1_TX/OTG_FS_DP	PE11	FSMC_D8/TIM1_CH2	65	PE12	FSMC_D9	
SWDIO	PA13	105	PE12	FSMC_D9/TIM1_CH3N	66	PE13	FSMC_D10	
SWDCLK	PA14	109	PE13	FSMC_D10/TIM1_CH3	67	PE14	FSMC_D11	
	PA15	110	PE14	FSMC_D11/TIM1_CH4	68	PE15	FSMC_D12	
			PE15	FSMC_D12/TIM1_BKIN				
T_SCK	PB0	46	PF0	FSMC_A0/I2C2_SDA	10	PF0	FSMC_A0	
T_PEN	PB1	47	PF1	FSMC_A1/I2C2_SCL	11	PF1	FSMC_A1	
BOOT1	T_MISO	48	PB1	TIM3_CH3/TIM4_CH3N/OTG_HS_INTN/ETH_MII_RXD3/ADC12_IN9	12	PF2	FSMC_A2	
			PB2	BOOT1	13	PF3	FSMC_A3	
			PB3	JTDO/TRACESWO/TIM2_CH2/SP11_SCK/SP13_SCK/I2S3_CK	14	PF4	FSMC_A4	
			PB4	NTRST/TIM3_CH1/SP11_MISO/SP13_MISO/I2S3ext_SD	15	PF5	FSMC_A5	
			PB5	TIM3_CH2/SP11_MOSI/SP13_MOSI/CAN2_RX/I2C1_SMBA/OTG_HS_ULPI_D7/ETH_PPS_OUT/DCMI_D10/I2S3_SDPFS/FSMC_A5/ADC3_IN5	18	PF6	BT_KEY	
			PB6	TIM4_CH1/U1_CK/I2C2_SCL/I2C1_SCL/DCMI_D5	19	PF7		
			PB7	TIM4_CH2/U1_RX/FSMC_NL/I2C1_SDA/DCMI_VSYNCP	20	PF8	BEEP	
HC_SCL	PB8	139	PB8	TIM4_CH3/TIM10_CH1/CAN1_RX/SDIO_D4/ETH_MII_TXD3/I2C1_SCL/DCMI_D6	21	PF9		
HC_SDA	PB9	140	PB9	TIM4_CH4/TIM11_CH1/CAN1_TX/SDIO_D5/SP12_NSS/I2C1_SDA/DCMI_D7/I2S2_WS	22	PF10		
BT_TX	PB10	69	PB10	SP12_SCK/TIM2_CH3/U3_TX/I2C2_SCL/OTG_HS_ULPI_D3/I2S2_CK	49	PF11	T_MOSI	
BT_RX	PB11	70	PB11	TIM2_CH4/U3_RX/I2C2_SDA/HS_ULPI_D4/ETH_MII_TX_EN/ETH_RMII_TX_EN	50	PF12	FSMC_A6	
	PB12	73	PB12	SP12_NSS/TIM1_BKIN/U3_CK/CAN2_RX/I2C2_SMBA/OTG_HS_ULPI_D5/OTG_HS_ID/ETH_MII_TXD0/ETH_RMII_TXD0/I2S2ext_SD	53	PF13	FSMC_A7	
	PB13	74	PB13	SP12_SCK/TIM1_CH1N/U3_CTS/CAN2_TX/OTG_HS_ULPI_D6/OTG_HS_VBUS/ETH_MII_TXD1/ETH_RMII_TXD1/I2S2_CK	54	PF14	FSMC_A8	
	PB14	75	PB14	SP12_MISO/TIM1_CH2N/TIM2_CH2/TIM12_CH1/U3_RTS/OTG_HS_DM/I2S2ext_SD	55	PF15	FSMC_A9	
LCD_BL	PB15	76	PB15	SP12_MOSI/TIM1_CH3N/TIM8_CH3N/TIM12_CH2/OTG_HS_DP/I2S2_SD				
			PC0	OTG_HS_ULPI_STP/ADC123_IN10	56	PG0	FSMC_A10	
			PC1	ETH_MDC/ADC123_IN11	57	PG1	FSMC_A11	
			PC2	SP12_MISO/OTG_HS_ULPI_DIR/ETH_MII_TXD2/I2S2ext_SD/ADC123_IN12	87	PG2	FSMC_A12	
			PC3	SP12_MOSI/OTG_HS_ULPI_NXT/ETH_MII_TX_CLK/I2S2_SD/ADC123_IN13	88	PG3	FSMC_A13	
			PC4	ETH_MII_RXD0/ETH_MII_RXD0/ADC12_IN14	89	PG4	FSMC_A14	
			PC5	ETH_MII_RXD1/ETH_RMII_RXD1/ADC12_IN15	90	PG5	FSMC_A15	
			PC6	TIM3_CH1/TIM8_CH1/U6_TX/SDIO_D6/DCMI_D10/I2S2_MCK	91	PG6		
			PC7	TIM3_CH2/TIM8_CH2/U6_RX/SDIO_D7/DCMI_D11/I2S3_MCK	92	PG7		
			PC8	TIM3_CH3/TIM8_CH3/U6_CK/SDIO_D0/DCMI_D2	93	PG8		
			PC9	TIM3_CH4/TIM8_CH4/I2C3_SDA/SDIO_D1/DCMI_D3/MCO2/I2S2_CKIN	124	PG9	1WIRE_DQ	
			PC10	111	125	PG10	FSMC_NE3	
			PC11	112	126	PG11		
			PC12	113	127	PG12	FSMC_NE4	
			PC13	117	128	PG13		
			PC14	8	129	PG14		
			PC15	9	132	PG15		
			PC15	OSC32_OUT				
			PD0	FSMC_D2/CAN1_RX	23	PH0	PHO-OSC_IN	
			PD1	FSMC_D3/CAN1_TX	24	PH1	PHI-OSC_OUT	
			PD2	TIM3_ETR/U5_RX/SDIO_CMD/DCMI_D11	25	RESET		
			PD3	FSMC_CLK/U2_CTS		VBAT		
			PD4	FSMC_NOE/U2_RTS		Vref+		
			PD5	FSMC_NWE/U2_TX		Vref+		
			PD6	FSMC_NWAIT/U2_RX		Vcap_1		
			PD7	FSMC_NE1/FSMC_NCE2/U2_CK		Vcap_2		
			PD8	FSMC_D13/U3_TX		VDDA		
			PD9	FSMC_D14/U3_RX		VSSA		
			PD10	FSMC_D15/U3_CK		PDR_ON		
			PD11	FSMC_A16/FSMC_CLE/U3_CTS				
			PD12	FSMC_A17/FSMC_ALE/TIM4_CH1/U3_RTS				
			PD13	FSMC_A18/TIM4_CH2				
			PD14	FSMC_D0/TIM4_CH3				
			PD15	FSMC_D1/TIM4_CH4				



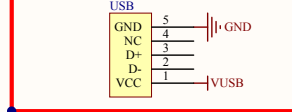
# KEY



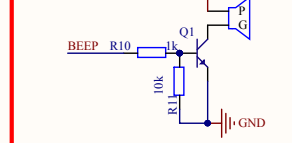
# BLUETOOTH



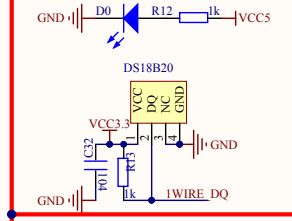
# POWER



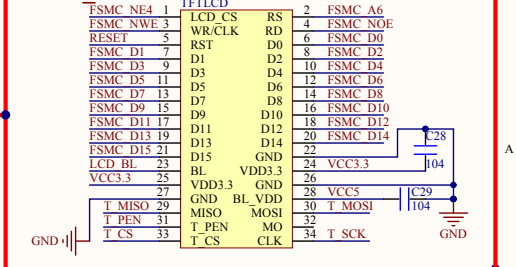
# BEEP



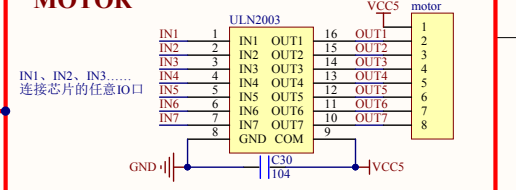
# DS18B20



# TFT\_LCD



# MOTOR



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