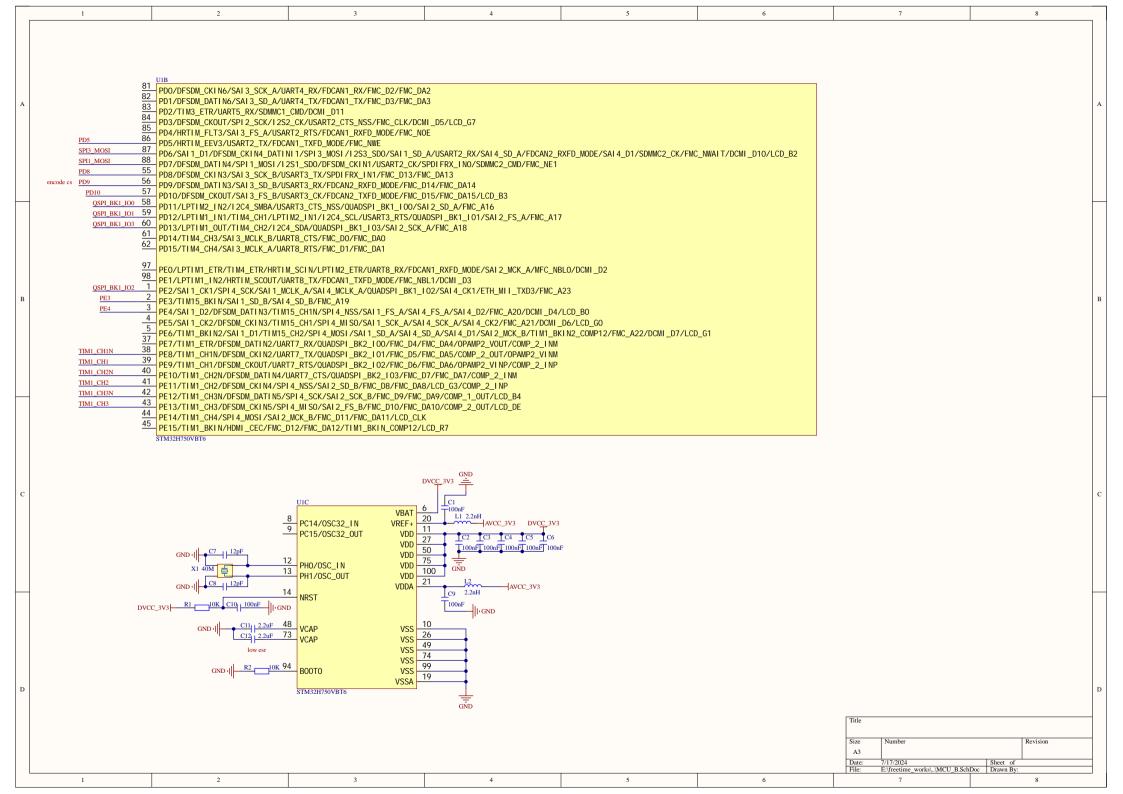
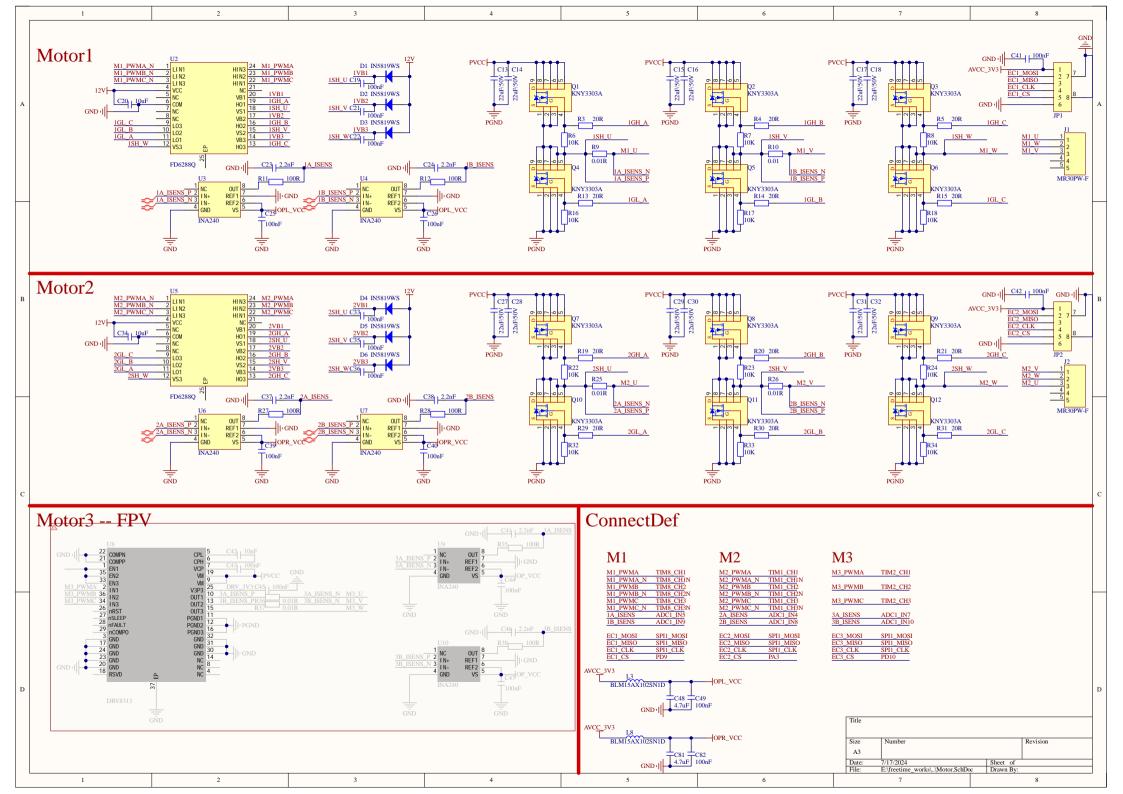
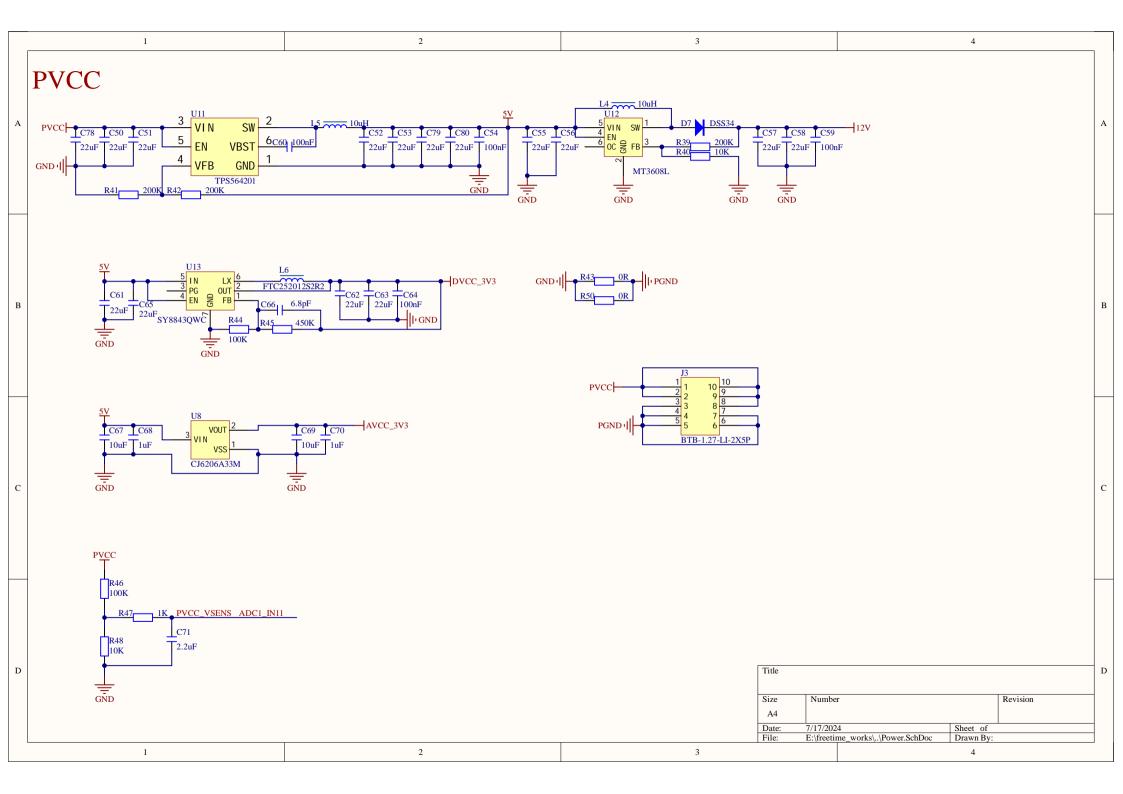
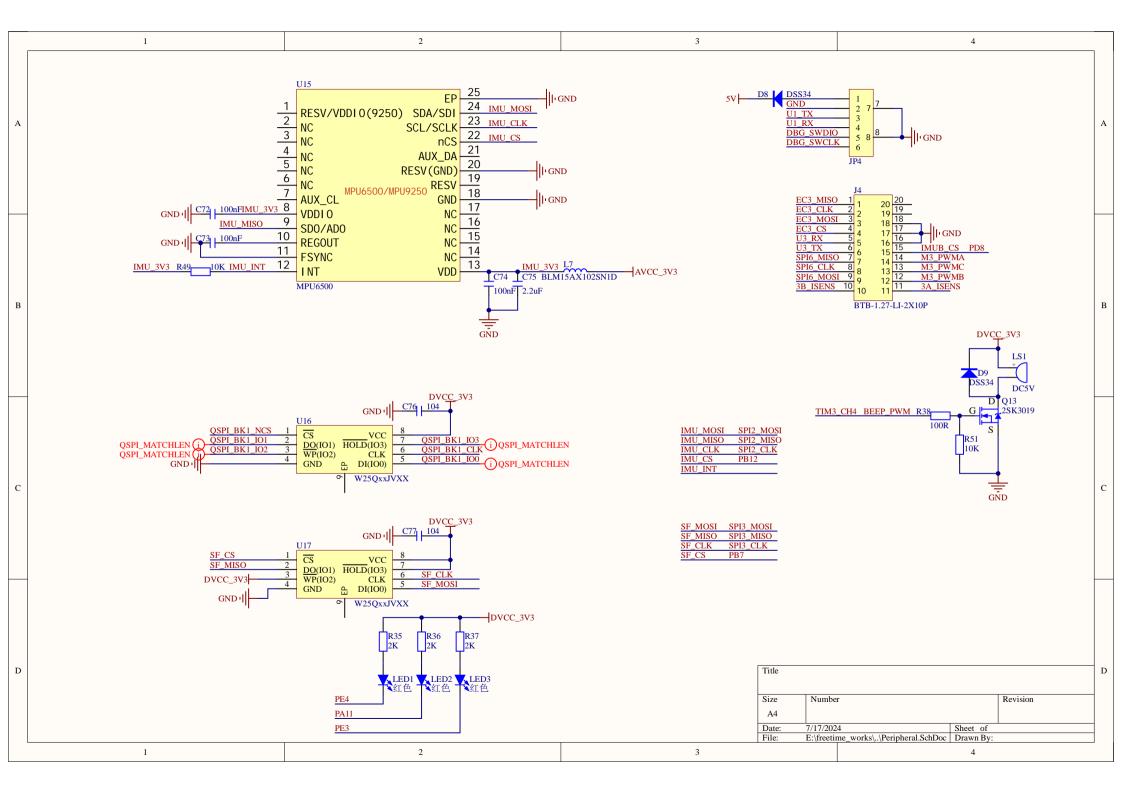
PAO/TIM2_CH1/TIM2_ETR/TIM5_CH1/TIM8_ETR/TIM15_BKIN/USART2_CTS_NSS/UART4_TX/SDMMC2_CMD/SAI2_SD_B/ETH_MII_CRS/ADC_INP16/WKUPO PA1/TIM2_CH2/TIM5_CH2/LPTIM3_OUT/TIM15_CH1N/USART2_RTS/UART4_RX/QUADSPI_BK1_I 03/SAI 2_MCK_B/ETH_MI I_RX_CLK/ETH_RMI I _REF_CLK/LCD_R2/ADC1_I NN16_I NP17 TIM2 CH3 PA2/TIM2_CH3/TIM5_CH3/LPTIM4_OUT/TIM15_CH1/USART2_TX/SAI2_SCK_B/ETH_MDIO/MDIOS_MDIO/LCD_R1/ADC12_INP14/WKUP1 PA3/TIM2_CH4/TIM5_CH4/LPTIM5_OUT/TIM15_CH2/USART2_RX/LCD_B2/OTG_HS_ULPI_DO/ETH_MII_COL/LCD_B5/ADC12_INP15 PA4/TIM5_ETR/SPI1_NSS/I2S1_WS/SPI3_NSS/I2S3_WS/USART2_CK/SPI6_NSS/OTG_HS_SOF/DCMI_HSYNC/LCD_VSYNC/ADC12_INP18/DAC1_OUT1 PA5/TI M2_CH1/TI M2_ETR/TI M8_CH1N/SPI 1_SCK/I 2S1_CK/SPI 6_SCK/OTG_HS_ULPI _CK/LCD_R4/ADC12_I NN18_I NP19/DAC1_OUT2 PA6/TIM1_BKIN/TIM3_CH1/TIM8_BKIN/SPI1_MISO/I2S1_SDI/SPI6_MISO/TIM13_CH1/TIM8_BKIN_COMP12/MDIOS_MDC/TIM1_BKIN_COMP12/DCMI_PIXCLK/LCD_G2/ADC12_INP3 31 PA7/TIM1 CH1N/TIM3_CH2/TIM8_CH1N/SPI1_MOSI/I2S1_SD0/SPI6_MOSI/TIM14_CH1/ETH_MII_RX_DV/ETH_RMII_CRS_DV/FMC_SDNEW/ADC12_INN3_INP7/OPAMP1_VINM PA8/MC01/TIM1_CH1/HRTIM_CHB2/TIM8_BKIN2/I2C3_SCL/USART1_CK/OTG_FS_S0F/UART7_RX/TIM8_BKIN2_COMP12/LCD_B3/LCD_R6 PA9/TIM1 CH2/HRTIM_CHC1/LPUART1_TX/I2C3_SMBA/SPI2_SCK/I2C2_CK/USART1_TX/FDCAN1_RXFD_MODE/ETH_TX_ER/DCMI_D0/LCD_R5/OTG_FS_VBUS PA10/TIM1_CH3/HRTIM_CHC2/LPUART1_RX/USART1_RX/FDCAN1_TXFD_MODE/OTG_FS_ID/MDIOS_MDIO/LCD_B4/DCMI_D1/LCD_B1 70 PA11/TIM1_CH4/HRTIM_CHD1/LPUART1_CTS/SPI2_NSS/I2S2_WS/UART4_RX/USART1_CTS_NSS/FDCAN1_RX/OTG_FS_DM/LCD_R4 PA12/TIM1_ETR/HRTIM_CHD2/LPUART1_RTS/SPI2_SCK/I2S2_CK/UART4_TX/USART1_RTS/SAI2_FS_B/FDCAN1_TX/OTG_FS_DP/LCD_R5 72 DBG_SWDIO PA13/JTMS_SWDIO 76 PA14/JTCK-SWCLK PA15/JTDI/TIM2_CH1/TIM2_ETR/HRTIM_FLT1/HDMI_CEC/SPI1_NSS/I2S1_WS/SPI3_NSS/I2S3_WS/SPI6_NSS/UART4_RTS/UART7_TX ADC1_IN9 PBO/TIM1_CH2N/TIM3_CH3/TIM8_CH2N/DFSDM_CKOUT/UART4_CTS/LCD_R3/OTG_HS_ULPI_D1/ETH_MII_RXD2/LCD_G1/ADC12_INN5_INP9/OPAMP1_VINP/COMP_1_INP PB1/TIM1 CH3N/TIM3_CH4/TIM8_CH3N/DFSDM_DATIN1/LCD_R6/OTG_HS_ULPI_D2/ETH_MII_RXD3/LCD_G0/ADC12_INP5/COMP_1_INM ADC1_IN5 OSPLBKI_CLK_36 PB2/SAI1_D1/DFSDM_CKIN1/SAI1_SD_A/SPI3_MOSI/I2S3_SD0/SAI4_SD_A/QUADSPI_CLK/SAI4_D1/ETH_TX_ER/COMP_1_INP/RTC_OUT SPI1_CLK PB3/JTD0/TIM2_CH2/HRTIM_FLT4/SPI1_SCK/I2S1_CK/SPI3_SCK/I2S3_CK/SPI6_SCK/SDMMC2_D2/UART7_RX SPI1_MISO PB4/NJTRST/TIM16_BKIN/TIM3_CH1/HRTIM_EEV6/SPI1_MISO/I2S1_SDI/SPI3_MISO/I2S3_SDI/SPI2_NSS/I2S2_WS/SPI6_MISO/SDMMC2_D3/UART7_TX 91 SPI6_MOSI PB5/TIM17_BKIN/TIM3_CH2/HRTIM_EEV7/I2C1_SMBA/SPI1_MOSI/I2S1_SD0/I2C4_SMBA/SPI3_MOSI/I2S3_SD0/SPI6_MOSI/FDCAN2_RX/OTG_HS_ULPI_D7/ETH_PPS_OUT/FMC_SDCKE1/DCMI_D10/UART5_RX QSPLBKI_NCS 92 PB6/TIM16_CH1N/TIM4_CH1/HRTIM_EEV8/I2C1_SCL/HDMI_CEC/I2C4_SCL/USART1_TX/LPUART1_TX/FDCAN2_TX/QUADSPI_BK1_NCS/DFSDM_DATIN5/FMC_SDNE1/DCMI_D5/UART5_TX PB7/TIM17_CH1N/TIM4_CH2/HRTIM_EEV9/I2C1_SDA/I2C4_SDA/USART1_RX/LPUART1_RX/FDCAN2_TXFD_MODE/DFSDM_CKIN5/FMC_NL/DCMI_VSYNC/PVD_IN 95 PB8/TIM16_CH1/TIM4_CH3/DFSDM_CKIN7/I2C1_SCL/I2C4_SCL/SDMMC1_CKIN/UART4_RX/FDCAN1_RX/SDMMC2_D4/ETH_MII_TXD3/SDMMC1_D4/DCMI_D6/LCD_B6 96 PB9/TIM17_CH1/TIM4_CH4/DFSDM_DATIN7/12C1_SDA/SPI2_NSS/12S2_WS/12C4_SDA/SDMMC1_CDIR/UART4_TX/FDCAN1_TX/SDMMC2_D5/12C4_SMBA/SDMMC1_D5/DCMI_D7/LCD_B7 PB10/TIM2_CH3/HRTIM_SCOUT/LPTIM2_IN1/I2C2_SCL/SPI2_SCK/I2S2_CK/DFSDM_DATIN7/USART3_TX/QUADSPI_BK1_NCS/OTG_HS_ULPI_D3/ETH_MII_RX_ER/LCD_G4 U3_RX PB11/TIM2_CH4/HRTIM_SCIN/LPTIM2_ETR/I2C2_SDA/DFSDM_CKIN7/USART3_RX/OTG_HS_ULPI_D4/ETH_MII_TX_EN/ETH_RMII_TX_EN/LCD_G5 PB12/TIM1_BKIN/12C2_SMBA/SPI2_NSS/12S2_WS/DFSDM_DATIN1/USART3_CK/FDCAN2_RX/OTG_HS_ULPI_D5/ETH_MII_TXD0/ETH_RMII_TXD0/OTG_HS_ID/TIM1_BKIN_COMP12/UART5_RX IMUA_CS PB12 PB13/TIM1_CH1N/LPTIM2_OUT/SPI2_SCK/I2S2_CK/DFSDM_CKIN1/USART3_CTS_NSS/FDCAN2_TX/OTG_HS_ULPI_D6/ETH_MII_TXD1/ETH_RMII_TXD1/UART5_TX/OTG_HS_VBUS SPI2_CLK TIM8 CH2N PB14/TIM1_CH2N/TIM12_CH1/TIM8_CH2N/USART1_TX/SPI2_MISO/I2S2_SDI/DFSDM_DATIN2/USART3_RTS/UART4_RTS/SDMMC2_DO/OTRG_HS_DM PB15/RTC_REFIN/TIM1_CH3N/TIM12_CH2/TIM8_CH3N/USART1_RX/SPI2_MOSI/I2S2_SD0/DFSDM_CKIN2/UART4_CTS/SDMMC2_D1/OTG_HS_DP TIM8_CH3N PCO/DFSDM_CKI NO/DFSDM_DATI N4/SAI 2_FS_B/OTG_HS_ULPI_STP/FMC_SDNEW/LCD_R5/ADC123_I NP10 ADC1_IN10 PC1/SAI1_D1/DFSDM_DATINO/DFSDM_CKIN4/SPI2_MOSI/I2S2_SD0/SAI1_SD_A/SAI4_SD_A/SDMMC2_CK/SAI4_D1/ETH_MDC/MDIOS_MDC/ADC123_INN10_INP11/WKUP5 ADC1_IN11 SPI2 MISO PC2_C/DFSDM_CKIN1/SPI2_MIS0/I2S2_SDI/DFSDM_CKOUT/OTG_HS_ULPI_DIR/ETH_MII_TXD2/FMC_SDNE0/ADC3_INN1_INPO SPI2_MOSI PC3_C/DFSDM_DATIN1/SPI2_MOSI/I2S2_SD0/OTG_HS_ULPI_NXT/ETH_MII_TX_CLK/FMC_SDCKE0/ADC3_INP1 ADC1_IN4 PC4/DFSDM_CKIN2/I2S1_MCK/SPDIFRX_IN2/ETH_MII_RXD0/ETH_RMII_RXD0/FMC_SDNE0/ADC12_INP4/OPAMP1_VOUT/COMP_1_INM PC5/SAI1_D3/DFSDM_DATI N2/SPDI FRX_I N3/SAI 4_D3/ETH_MI I_RXD1/ETH_RMI I_RXD1/FMC_SDCKEO/COMP_1_OUT/ADC12_I NN4_I NP8/OPAMP1_VI NM ADC1_IN8 TIM8_CH1 PC6/HRTIM_CHA1/TIM3_CH1/TIM8_CH1/DFSDM_CKIN3/I2S2_MCK/USART6_TX/SDMMC1_DODIR/FMC_NWAIT/SDMMC2_D6/SDMMC1_D6/DCMI_D0/LCD_HSYNC/SWPMI_I0 64 PC7/TRGI O/HRTI M_CHA2/TI M3_CH2/TI M8_CH2/DFSDM_DATI N3/I 2S3_MCK/USART6_RX/SDMMC1_D123DI R/FMC_NE1/SDMMC2_D7/SWPMI_TX/SDMMC1_D7/DCMI_D1/LCD_G6 TIM8_CH2 65 PC8/HRTIM_CHB1/TIM3_CH3/TIM8_CH3/USART6_CK/UART5_RTS/FMC_NE2/FMC_NCE/SWPMI_RX/SDMMC1_D0/DCMI_D2 TIM8 CH3 66 PC9/MC02/TIM3_CH4/TIM8_CH4/I2C3_SDA/I2S_CKIN/UART5_CTS/QUADSPI_BK1_I00/LCD_G3/SWPMI_SUSPEND/SDMMC1_D1/DCMI_D3/LCD_B2 TIM3_CH4 SPI3 CLK PC10/HRTIM_EEV1/DFSDM_CKIN5/SPI3_SCK/I2S3_CK/USART3_TX/UART4_TX/QUADSPI_BK1_I01/SDMMC1_D2/DCMI_D8/LCD_R2 SPI3_MISO PC11/HRTIM_FLT2/DFSDM_DATIN5/SPI3_MISO/I2S3_SDI/USART3_RX/UART4_RX/QUADSPI_BK2_NCS/SDMMC1_D3/DCMI_D4 SPI6_CLK PC12/HRTIM_EEV2/SPI3_MOSI/I2S3_SD0/USART3_CK/UART5_TX/SDMMC1_CK/DCMI_D9 PC13/RTC_TAMP_1/RTC_TS/WKUP2 STM32H750VBT6

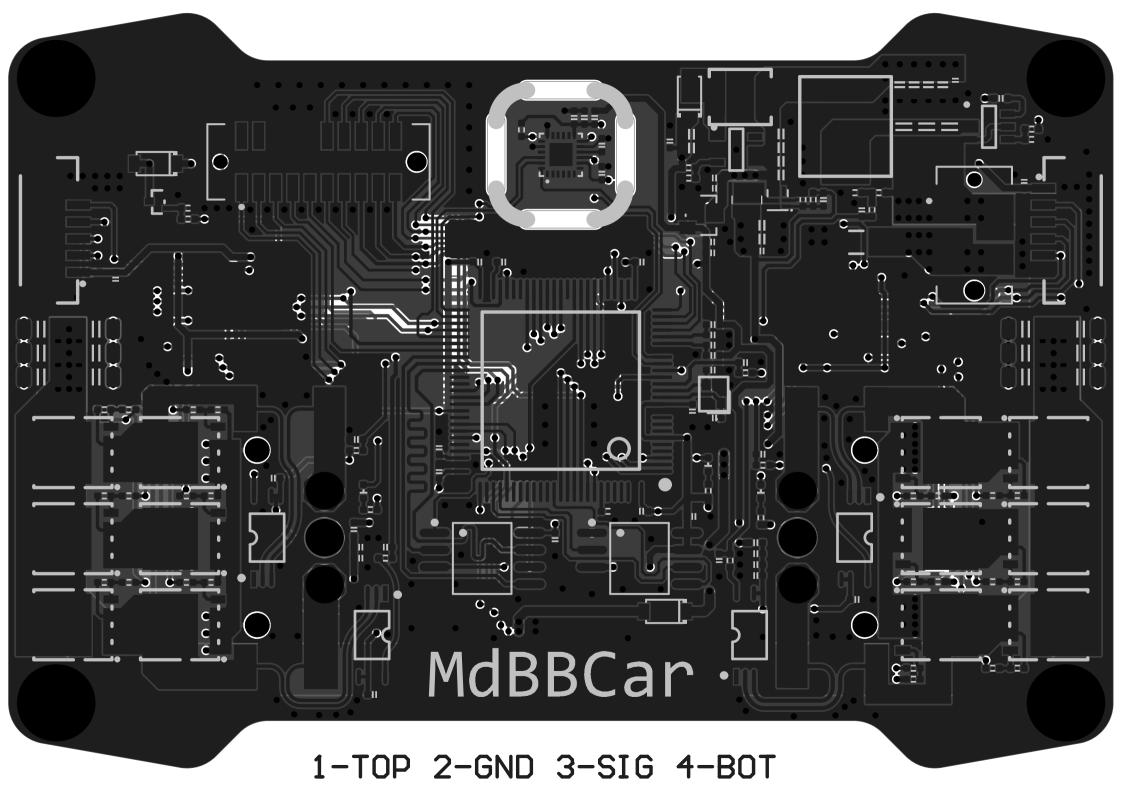
| File: E:\freetime_works\..\MCU_ASchDoc | Drawn By:
| 2 | 3 | 4 | 5 | 6 | 7 |











Comment	Description	Designator	Footprint	LibRef	Quantity
		C1, C2, C3, C4, C5,			
		C6, C9, C10, C19,			
		C21, C22, C25, C26,			
100nF	无极性贴片电容	C33, C35, C36, C39,	C 0402_L	С	
		C40, C41, C42, C49,			
		C54, C59, C60, C64,			
		C72, C73, C74, C82			
12nF	工打MH RF H 市 ☆		C 0402 I	c	
12pF	无极性贴片电容	C7, C8	C 0402_L	C	
2.2uF	无极性贴片电容	C11, C12, C71, C75	C 0402_L	С	+
22uF/50V		C13, C14, C15, C16,			
	无极性贴片电容	C17, C18, C27, C28,	C 1206_L	С	1
10uF	无极性贴片电容	C29, C30, C31, C32 C20, C34	C 0603_L	С	
				C	
2.2nF	无极性贴片电容	C23, C24, C37, C38	C 0402_L		+
4.7uF	无极性贴片电容	C48, C81	C 0402_L	<u>C</u>	+
22uF	无极性贴片电容	C50, C51, C78	C 1206_L	С	
22uF		C52, C53, C55, C56,			
	无极性贴片电容	C57, C58, C61, C62,	C 0603_L	С	·
		C63, C65, C79, C80			
6.8pF	无极性贴片电容	C66	C 0402_L	С	
10uF	无极性贴片电容	C67, C69	C 0402_L	С	
1uF	无极性贴片电容	C68, C70	C 0402 L	С	
104	无极性贴片电容	C76, C77	C 0402_L	c	İ
		D1, D2, D3, D4, D5,		_	1
IN5819WS	肖特基二极管	D1, D2, D3, D4, D5, D6	SOD-323	1N5819	
DSS34	肖特基二极管	D7, D8, D9	SOD-123FL	DSS34	1
					+
MR30PW-F	航模接口	J1, J2	MR30PW_F	MR30PW-F	+
BTB-1.27-LI-2X5P		J3	1.27-LI-2X5P	LI-2X5P	1
BTB-1.27-LI-2X10P		J4	1.27-LI-2X10P	LI-2X10P	1
HDR-1X6	6P接插件	JP1, JP2, JP4	GH1.25-WS-6P	Header 6	
2.2nH	小功率贴片电感	L1, L2	L 0402	L	
BLM15AX102SN1D	小功率贴片电感	L3, L7, L8	L 0402	L	
10uH	贴片功率电感	L4	L-4020	L-CD	
10uH	贴片功率电感	L5	L-0630	L-CD	
FTC252012S2R2	贴片功率电感	L6	252012	L-CD	
红色	贴片LED	LED1, LED2, LED3	LED 0402R	LED-SMD	
10	дл сер	LLD1, LLD2, LLD3	BEEP_SMD_SBZ9032		
DC5V	蜂鸣器	LS1	C03R16	BEEP	
		01 02 02 04 05	COSICIO		+
KNY3303A	N沟道MOS管	Q1, Q2, Q3, Q4, Q5,	DDENLO/F O. 4 O)	VA IV 0000 A	
	PDFN-8(5.8x4.9)	Q6, Q7, Q8, Q9, Q10,	PDFN-8(5.8X4.9)	KNY3303A	1
		Q11, Q12			
2SK3019	N沟道场效应管	Q13	SOT523	2SK3019	
		R1, R2, R6, R7, R8,			
10K		R16, R17, R18, R22,			
	贴片电阻	R23, R24, R32, R33,	R 0402_L	R	
		R34, R40, R48, R49,			
		R51			
		R3, R4, R5, R13, R14,			
20R	贴片电阻		R 0402_L	R	
	M/7 CM	R29, R30, R31	5402_L	ľ	Ì
0.01D	DF 比 由 70		D 2512 I	D	+
0.01R	贴片电阻	R9, R25, R26	R 2512_L	R	+
0.01	贴片电阻	R10	R 2512_L	R	+
100R	贴片电阻	R11, R12, R27, R28,	R 0402_L	R	1
		R38			1
2K	贴片电阻	R35, R36, R37	R 0402_L	R	1
200K	贴片电阻	R39, R41, R42	R 0402_L	R	
OR .	贴片电阻	R43, R50	R 1206_L	R	
100K	贴片电阻	R44, R46	R 0402_L	R	
450K	贴片电阻	R45	R 0402_L	R	
1K	贴片电阻	R47	R 0402_L	R	
STM32H750VBT6	, , , , , , , , , , , , , , , , , , ,	U1	LQFP100 14x14 L	STM32H750VBT6	İ
FD6288Q	栅极驱动IC	U2, U5	QFN24 4x4 L	FD6288Q	1
	PWM抑制电流检测				1
INA240		U3, U4, U6, U7	SSOP8_L	INA240	1
	芯片	 		1	+
CJ6206A33M	三端稳压芯片	U8	SOT23-3L	LN6206PXXX	1
	6V 250mA				1
TPS564201	3A 4.5V-17V输入	U11	SOT23-6L	TPS563200	İ
5507201	同步	J. 1	55125 GL	5505250	
MT2400I	2.5A 1.5MHZ	1112	COT22 41	MT3608L	
MT3608L	宽输入升压	U12	SOT23-6L	IVI I 30U8L	İ
	DC-DC 1.5M	1140	OFNE 4 EV4 E	CV004001110	
		U13	QFN7 1.5X1.5	SY8843QWC	İ
SY8843QWC	I\/INI·2 7~5 5\/ 2Λ				
SY8843QWC	VIN:2.7~5.5V 3A	1115	OENI34 3X3	MDUKEOO	
SY8843QWC MPU6500 W25QxxJVXX	VIN:2.7~5.5V 3A 6轴IMU 外置Flash	U15 U16, U17	QFN24 3X3 SOP8W_L	MPU6500 W25Qxx	