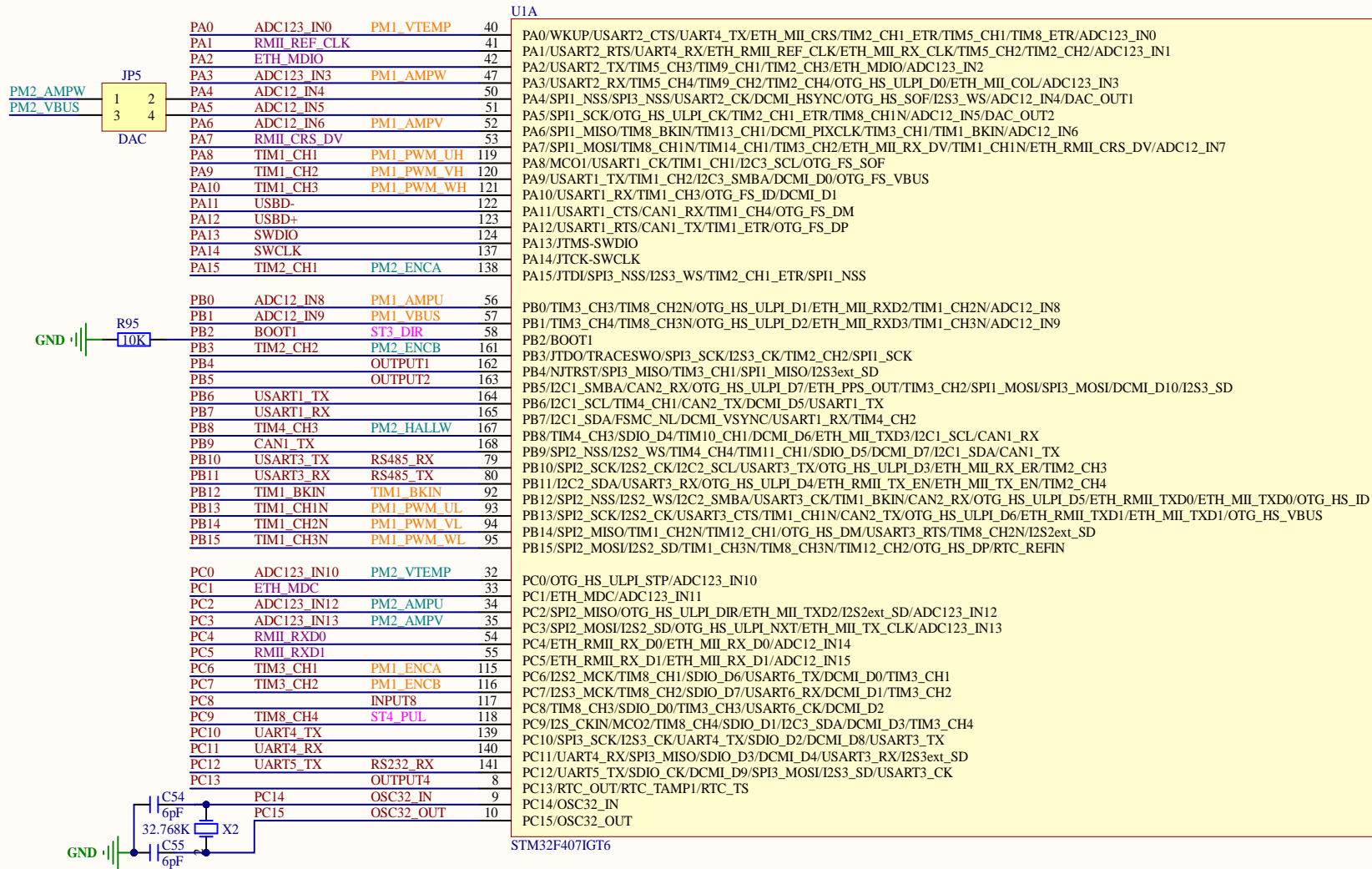


MCU_PORT_ABC



Title: MCU_Port_ABC.SchDoc		
Project: ATK-DMF407.PrjPcb		
Size: A4	Author: lycreturn@ALIENTEK	
Date: 2023/6/15	Version: V1.2	Sheet: 1 of 8



MCU_PORT_DEF

U1B			
PD0	FSMC_D2		142
PD1	FSMC_D3		143
PD2	UART5_RX	RS232_TX	144
PD3		INPUT9	145
PD4	FSMC_NOE		146
PD5	FSMC_NWE	HMI_TX	147
PD6		HMI_RX	150
PD7		INPUT10	151
PD8	FSMC_D13		96
PD9	FSMC_D14		97
PD10	FSMC_D15		98
PD11		T_MISO	99
PD12	TIM4_CH1	PM2_HALLU	100
PD13	TIM4_CH2	PM2_HALLV	101
PD14	FSMC_D0		104
PD15	FSMC_D1		105
PE0		LED0	169
PE1		LED1	170
PE2		KEY0	1
PE3		KEY1	2
PE4		KEY2	3
PE5	TIM9_CH1	PM2_ENCZ	4
PE6	TIM9_CH2	PM1_ENCZ	5
PE7	FSMC_D4		68
PE8	FSMC_D5		69
PE9	FSMC_D6		70
PE10	FSMC_D7		73
PE11	FSMC_D8		74
PE12	FSMC_D9		75
PE13	FSMC_D10		76
PE14	FSMC_D11		77
PE15	FSMC_D12		78
PF0		BEEP	16
PF1		OUTPUT3	17
PF2		PM2_CTRL_SD	18
PF3	ADC3_IN9	EX_NTC	19
PF4	ADC3_IN14	PM2_BEMFW	20
PF5	ADC3_IN15	PM2_BEMFV	21
PF6	ADC3_IN4	PM2_BEMFU	24
PF7	ADC3_IN5	PM1_BEMFW	25
PF8	ADC3_IN6	PM1_BEMFV	26
PF9	ADC3_IN7	PM1_BEMFU	27
PF10	ADC3_IN8	PM1_CTRL_SD	28
PF11		ST3_EN	59
PF12		ST2_DIR	60
PF13		ST2_EN	63
PF14		ST1_DIR	64
PF15		ST1_EN	65

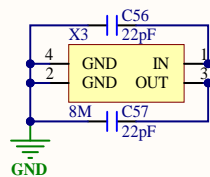
STM32F407IGT6

PD0/FSMC_D2/CAN1_RX
PD1/FSMC_D3/CAN1_TX
PD2/TIM3_ETR/UART5_RX/SDIO_CMD/DCMI_D11
PD3/FSMC_CLK/USART2_CTS
PD4/FSMC_NOE/USART2_RTS
PD5/FSMC_NWE/USART2_TX
PD6/FSMC_NWAIT/USART2_RX
PD7/USART2_CK/FSMC_NE1/FSMC_NCE2
PD8/FSMC_D13/USART3_TX
PD9/FSMC_D14/USART3_RX
PD10/FSMC_D15/USART3_CK
PD11/FSMC_CLE/FSMC_A16/USART3_CTS
PD12/FSMC_ALE/FSMC_A17/TIM4_CH1/USART3_RTS
PD13/FSMC_A18/TIM4_CH2
PD14/FSMC_D0/TIM4_CH3
PD15/FSMC_D1/TIM4_CH4
PE0/TIM4_ETR/FSMC_NBL0/DCMI_D2
PE1/FSMC_NBL1/DCMI_D3
PE2/TRACECLK/FSMC_A23/ETH_MII_TXD3
PE3/TRACED0/FSMC_A19
PE4/TRACED1/FSMC_A20/DCMI_D4
PE5/TRACED2/FSMC_A21/TIM9_CH1/DCMI_D6
PE6/TRACED3/FSMC_A22/TIM9_CH2/DCMI_D7
PE7/FSMC_D4/TIM1_ETR
PE8/FSMC_D5/TIM1_CH1N
PE9/FSMC_D6/TIM1_CH1
PE10/FSMC_D7/TIM1_CH2N
PE11/FSMC_D8/TIM1_CH2
PE12/FSMC_D9/TIM1_CH3N
PE13/FSMC_D10/TIM1_CH3
PE14/FSMC_D11/TIM1_CH4
PE15/FSMC_D12/TIM1_BKIN
PF0/FSMC_A0/I2C2_SDA
PF1/FSMC_A1/I2C2_SCL
PF2/FSMC_A2/I2C2_SMBA
PF3/FSMC_A3/ADC3_IN9
PF4/FSMC_A4/ADC3_IN14
PF5/FSMC_A5/ADC3_IN15
PF6/TIM10_CH1/FSMC_NIORD/ADC3_IN4
PF7/TIM11_CH1/FSMC_NREG/ADC3_IN5
PF8/TIM13_CH1/FSMC_NIOWR/ADC3_IN6
PF9/TIM14_CH1/FSMC_CD/ADC3_IN7
PF10/FSMC_INTR/ADC3_IN8
PF11/DCMI_D12
PF12/FSMC_A6
PF13/FSMC_A7
PF14/FSMC_A8
PF15/FSMC_A9

Title: MCU_Port_DEF.SchDoc		
Project: ATK-DMF407.PrjPcb		
Size: A4	Author: lycreturn@ALIENTEK	
Date: 2023/6/15	Version: V1.2	Sheet: 2 of 8



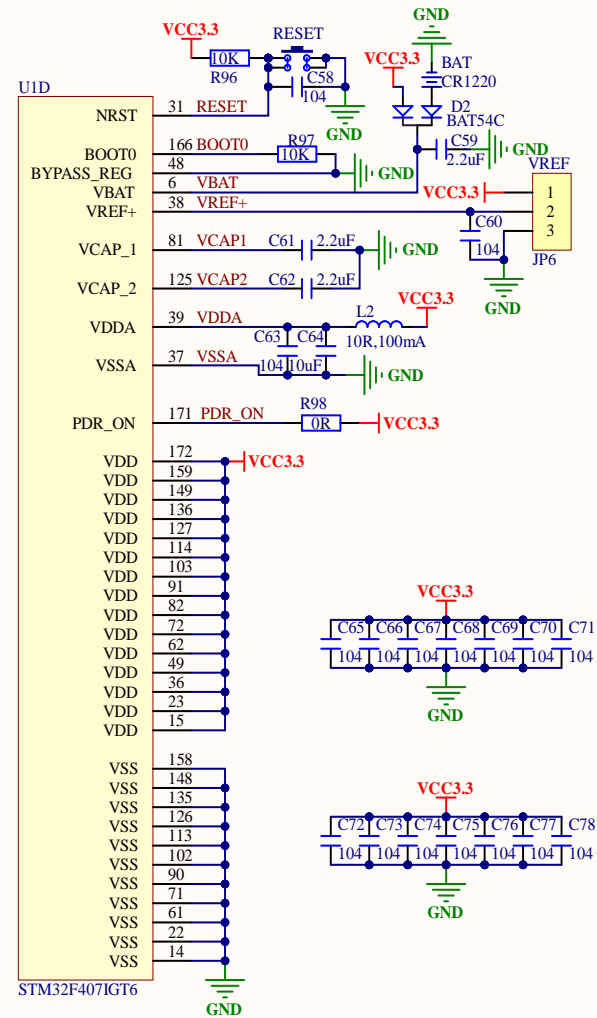
MCU_PORT_GHI



PG0	FSMC_A10	66	PG0/FSMC_A10
PG1	T_CS	67	PG1/FSMC_A11
PG2	INPUT1	106	PG2/FSMC_A12
PG3	INPUT2	107	PG3/FSMC_A13
PG4	INPUT3	108	PG4/FSMC_A14
PG5	INPUT4	109	PG5/FSMC_A15
PG6	INPUT5	110	PG6/FSMC_INT2
PG7	INPUT6	111	PG7/FSMC_INT3/USART6_CK
PG8	INPUT7	112	PG8/USART6_RTS/ETH_PPS_OUT
PG9	INPUT11	152	PG9/USART6_RX/FSMC_NE2/FSMC_NCE3
PG10	INPUT12	153	PG10/FSMC_NCE4_1/FSMC_NE3
PG11	RMII_TX_EN	154	PG11/FSMC_NCE4_2/ETH_MII_TX_EN/ETH_RMII_TX_EN
PG12	FSMC_NE4	155	PG12/FSMC_NE4/USART6_RTS
PG13	RMII_TXD0	156	PG13/FSMC_A24/USART6_CTS/ETH_MII_TXD0/ETH_RMII_TXD0
PG14	RMII_TXD1	157	PG14/FSMC_A25/USART6_TX/ETH_MII_TXD1/ETH_RMII_TXD1
PG15	1WIRE_DQ	160	PG15/USART6_CTS/DCML_D13
PH0	OSC_IN	29	PH0/OSC_IN
PH1	OSC_OUT	30	PH1/OSC_OUT
PH2		43	PH2/ETH_MII_CRS
PH3	ST4_DIR	44	PH3/ETH_MII_COL
PH4	I2C2_SCL	45	PH4/I2C2_SCL/OTG_HS_ULPI_NXT
PH5	I2C2_SDA	46	PH5/I2C2_SDA
PH6	TIM12_CH1	83	PH6/I2C2_SMBA/TIM12_CH1/ETH_MII_RXD2
PH7	T_PEN	84	PH7/I2C3_SCL/ETH_MII_RXD3
PH8	T_MOSI	85	PH8/I2C3_SDA/DCML_HSYNC
PH9	TIM12_CH2	86	PH9/I2C3_SMBA/TIM12_CH2/DCML_D0
PH10	TIM5_CH1	87	PH10/TIM5_CH1/DCML_D1
PH11	TIM5_CH2	88	PH11/TIM5_CH2/DCML_D2
PH12	TIM5_CH3	89	PH12/TIM5_CH3/DCML_D3
PH13	TIM8_CH1N	128	PH13/TIM8_CH1N/CAN1_TX
PH14	TIM8_CH2N	129	PH14/TIM8_CH2N/DCML_D4
PH15	TIM8_CH3N	130	PH15/TIM8_CH3N/DCML_D11
PI0	SPI2_CS	131	PI0/TIM5_CH4/SPI2_NSS/I2S2_WS/DCML_D13
PI1	SPI2_SCK	132	PI1/SPI2_SCK/I2S2_CK/DCML_D8
PI2	SPI2_MISO	133	PI2/TIM8_CH4/SPI2_MISO/DCML_D9/I2S2ext_SD
PI3	SPI2_MOSI	134	PI3/TIM8_ETR/SPI2_MOSI/I2S2_SD/DCML_D10
PI4	TIM8_BKIN	173	PI4/TIM8_BKIN/DCML_D5
PI5	TIM8_CH1	174	PI5/TIM8_CH1/DCML_VSYNC
PI6	TIM8_CH2	175	PI6/TIM8_CH2/DCML_D6
PI7	TIM8_CH3	176	PI7/TIM8_CH3/DCML_D7
PI8	ETH_RESET	7	PI8/RTC_TAMP1/RTC_TAMP2/RTC_TS
PI9	CAN1_RX	11	PI9/CAN1_RX
PI10	GBC_KEY	12	PI10/ETH_MII_RX_ER
PI11	GBC_LED	13	PI11/OTG_HS_ULPI_DIR

STM32F407IGT6

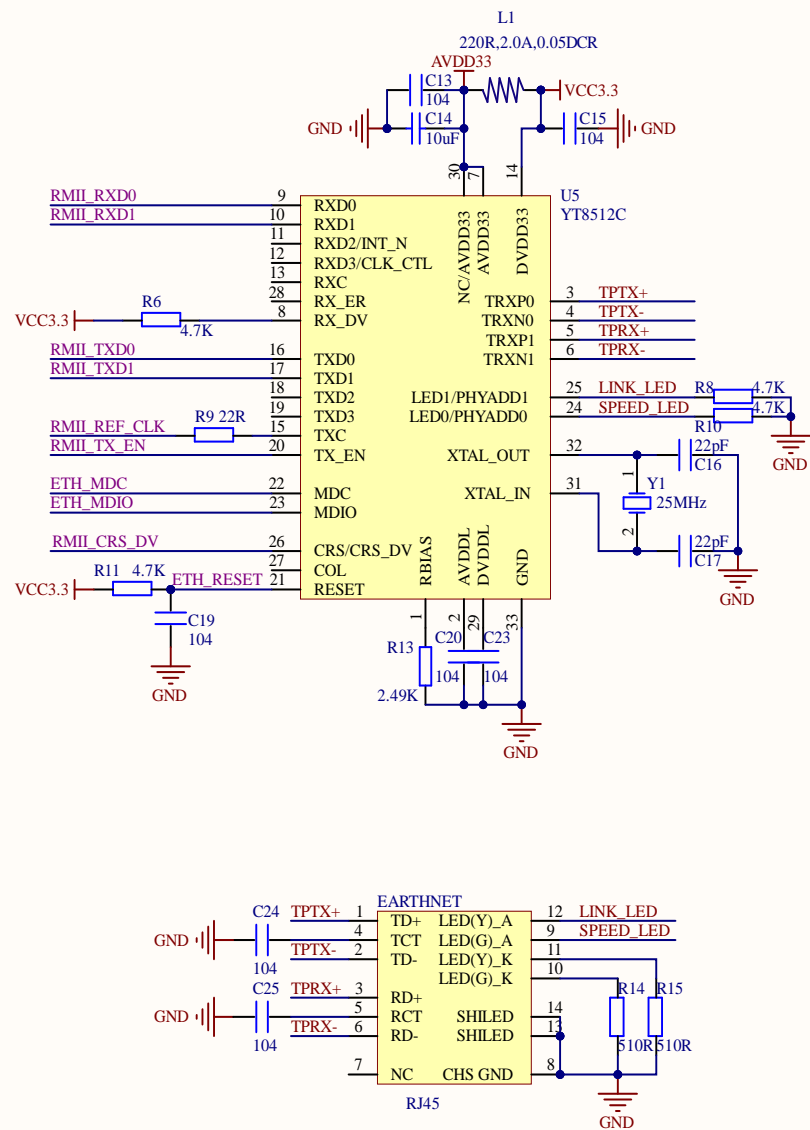
MCU_POWER



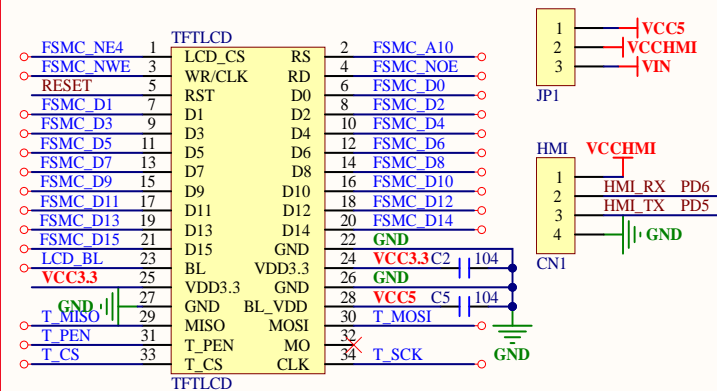
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Project: ATK-DMF407.PrjPcb		
Size: A4	Author: lycreturn@ALIENTEK	
Date: 2023/6/15	Version: V1.2	Sheet: 4 of 8



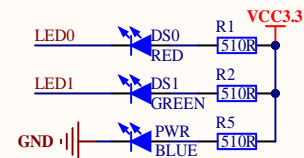
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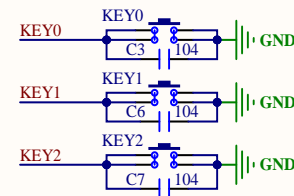
LCD&HMI



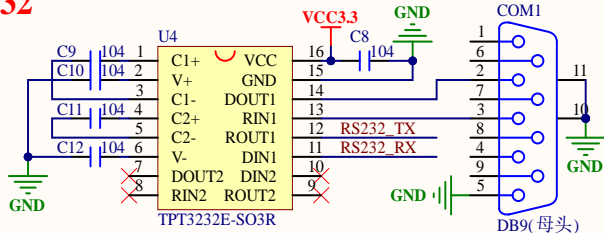
LED



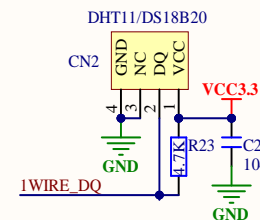
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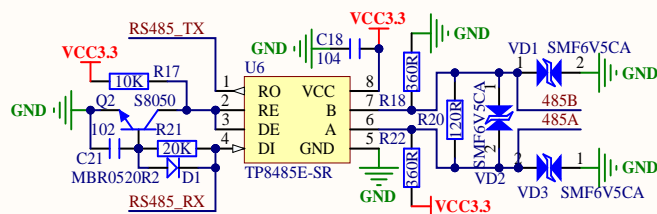
RS232



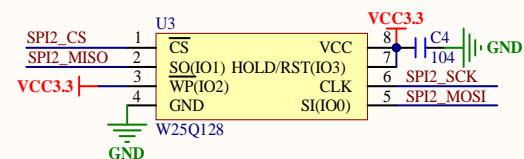
DHT11/DS18B20



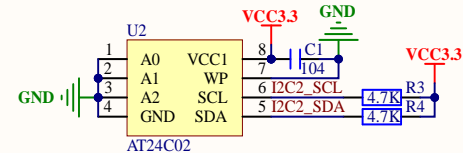
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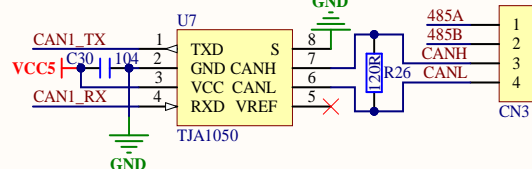
FLASH



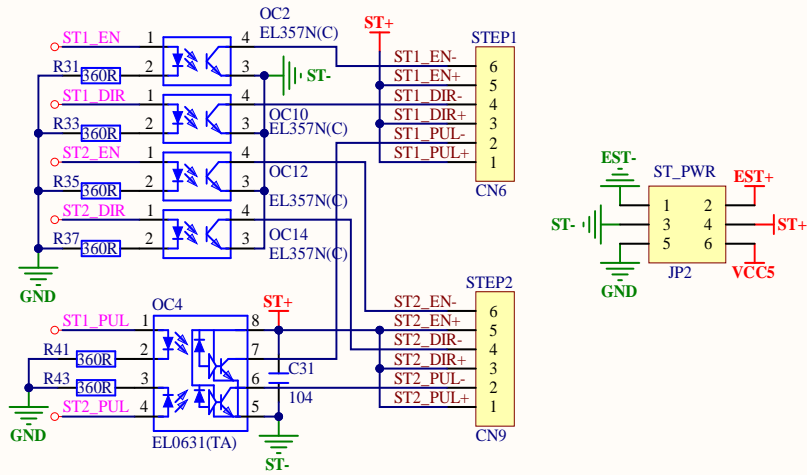
EEPROM



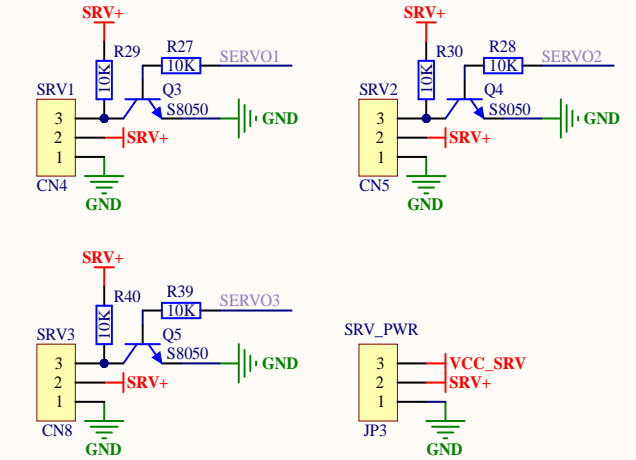
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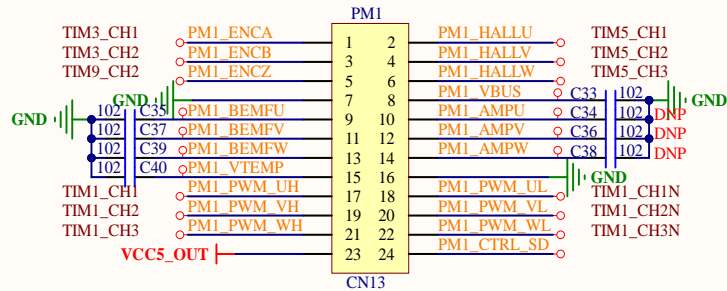
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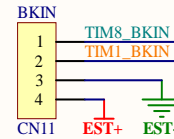
SERVO



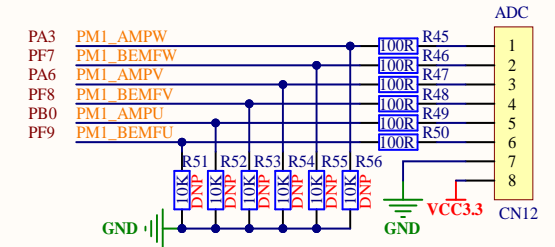
BLDC&PMSM



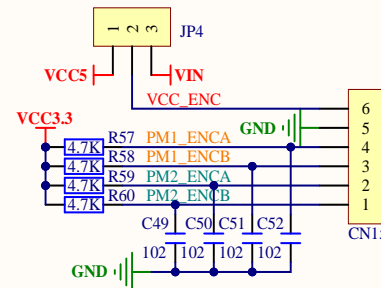
TIM_BKIN



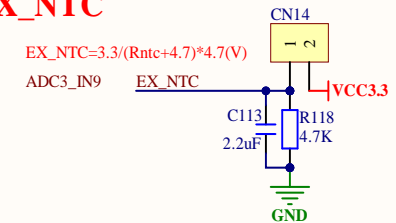
ADC



ENCODE



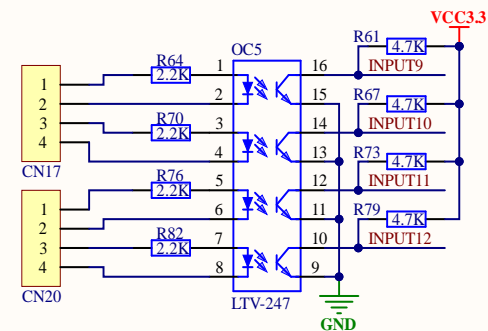
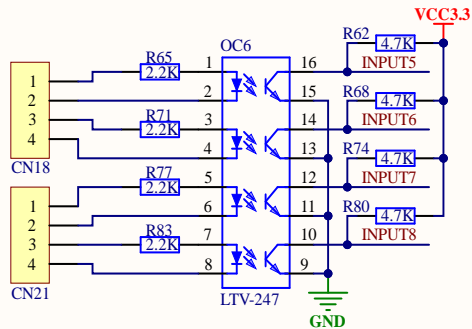
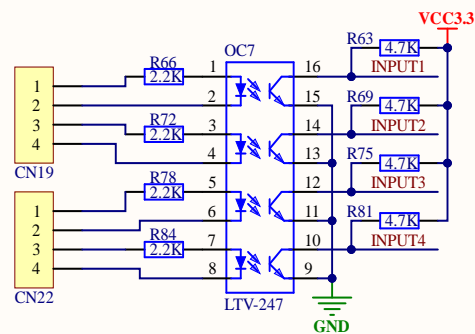
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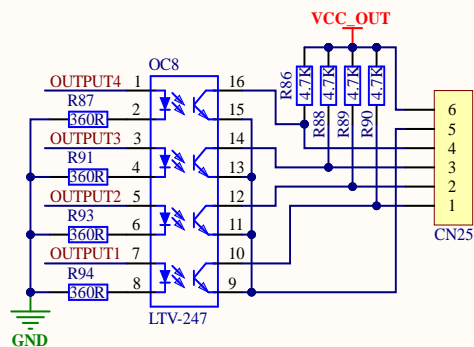
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Project: ATK-DMF407.PrjPcb	
Size: A4	Author: lycreturn@ALIENTEK
Date: 2023/6/15	Version: V1.2
Sheet: 6 of 8	



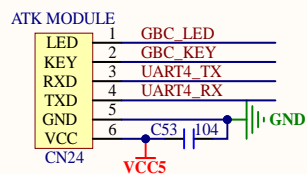
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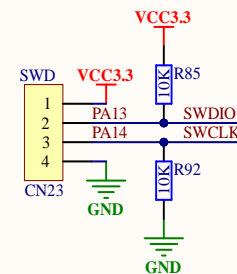
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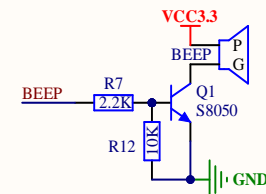
ATK MODULE



SWD



BEEP



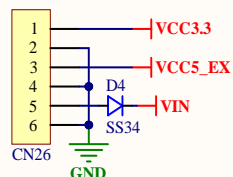
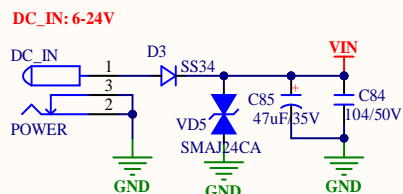
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ESD

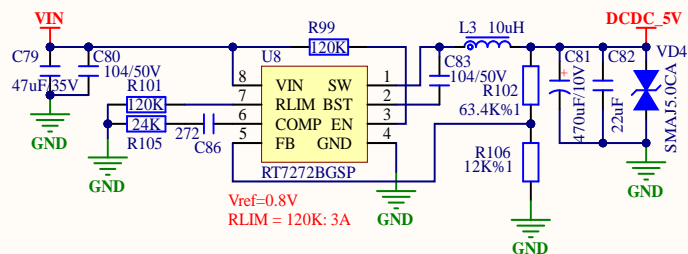
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Project: ATK-DMF407.PrjPcb	
Size: A4	Author: lycreturn@ALIENTEK
Date: 2023/6/15	Version: V1.2
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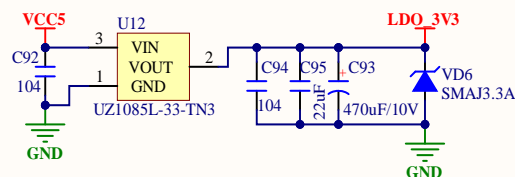
POWER PORT



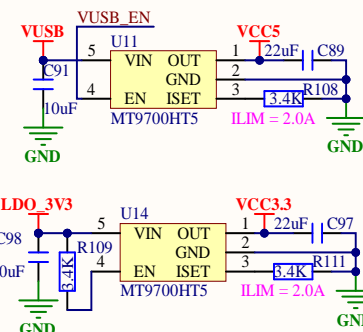
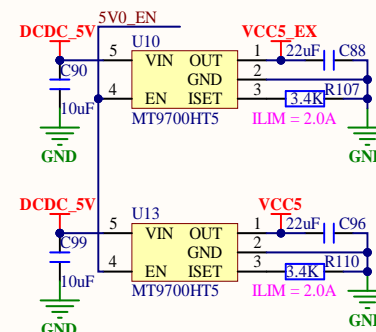
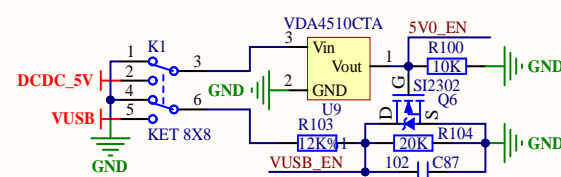
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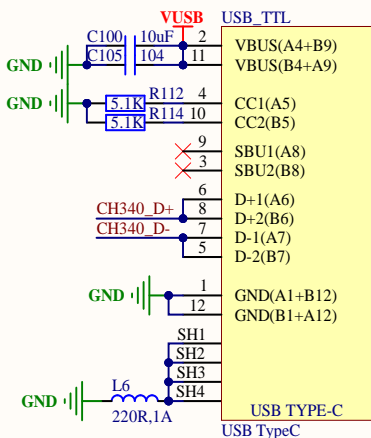
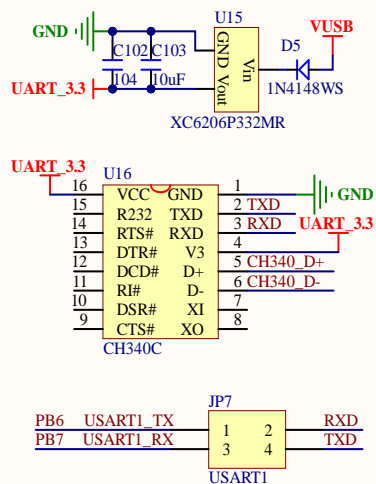
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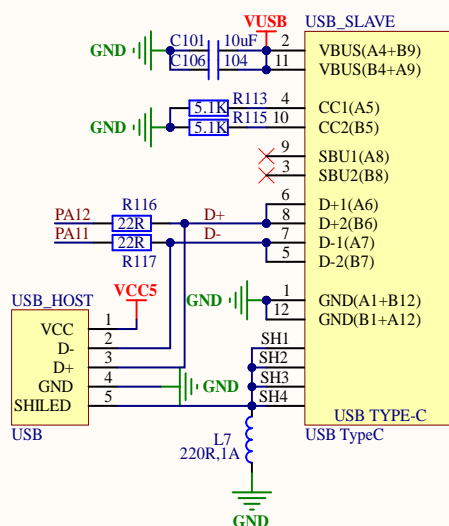
POWER POTECTION



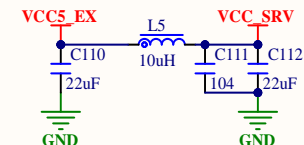
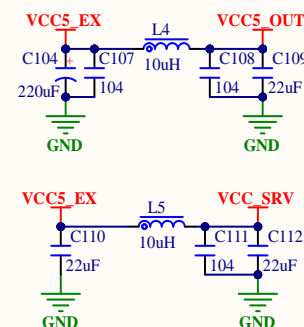
USART



USB_HOST/SLAVE



5V_EX



Title: POWER&USB.SchDoc

Project: ATK-DMF407.PrjPcb

Size: A4

Author: lycreturn@ALIENTEK

Date: 2023/6/15

Version: V1.2

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