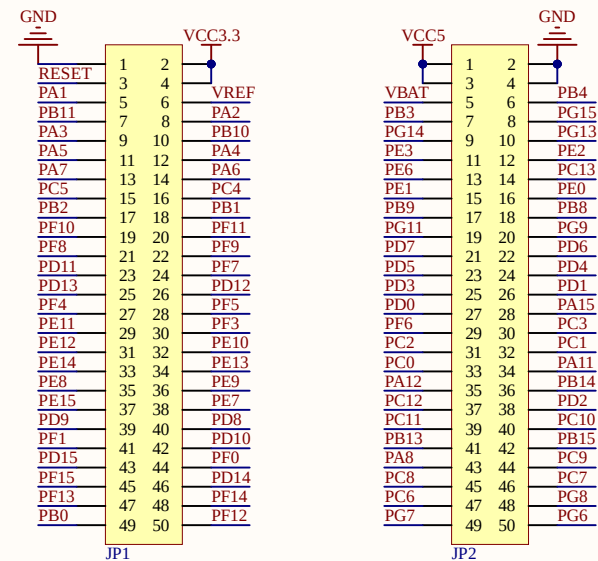


MCU_ABCD

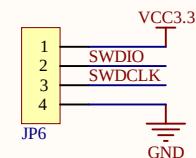
U1A		
WK_UP	PA0	34
	PA1	35
	PA2	36
	PA3	37
	PA4	40
	PA5	41
	PA6	42
	PA7	43
	PA8	100
USART1_TX	PA9	101
USART1_RX	PA10	102
USB_D-	PA11	103
USB_D+	PA12	104
SWDIO	PA13	105
SWDCLK	PA14	109
	PA15	110
LCD_BL	PB0	46
T_SCK	PB1	47
T_MISO	PB2	48
	PB3	133
	PB4	134
LED0	PB5	135
IIC_SCL	PB6	136
IIC_SDA	PB7	137
	PB8	139
	PB9	140
	PB10	69
	PB11	70
F_CS	PB12	73
SPI2_SCK	PB13	74
SPI2_MISO	PB14	75
SPI2_MOSI	PB15	76
	PC0	26
	PC1	27
	PC2	28
	PC3	29
	PC4	44
	PC5	45
	PC6	96
	PC7	97
SDIO_D0	PC8	98
SDIO_D1	PC9	99
SDIO_D2	PC10	111
SDIO_D3	PC11	112
SDIO_SCK	PC12	113
	PC13	7
		8
		9
FSMC_D2	PD0	114
FSMC_D3	PD1	115
SDIO_CMD	PD2	116
	PD3	117
FSMC_NOE	PD4	118
FSMC_NWE	PD5	119
	PD6	122
	PD7	123
FSMC_D13	PD8	77
FSMC_D14	PD9	78
FSMC_D15	PD10	79
FSMC_A16	PD11	80
FSMC_A17	PD12	81
FSMC_A18	PD13	82
FSMC_D0	PD14	85
FSMC_D1	PD15	86

STM32F103ZET6

IO



SWD



Title:
M144Z-M3.PrjPCB

Author:
ALIENTEK

Date:
2023/6/26

Revision:
V1.0

Size:
A4

File:
CORE_ABCD.SchDoc

Version:



MCU_EFG

FSMC_NBL0	PE0	141
FSMC_NBL1	PE1	142
	PE2	1
	PE3	2
KEY0	PE4	3
LED1	PE5	4
	PE6	5
FSMC_D4	PE7	58
FSMC_D5	PE8	59
FSMC_D6	PE9	60
FSMC_D7	PE10	63
FSMC_D8	PE11	64
FSMC_D9	PE12	65
FSMC_D10	PE13	66
FSMC_D11	PE14	67
FSMC_D12	PE15	68

FSMC_A0	PF0	10
FSMC_A1	PF1	11
FSMC_A2	PF2	12
FSMC_A3	PF3	13
FSMC_A4	PF4	14
FSMC_A5	PF5	15
	PF6	18
	PF7	19
	PF8	20
T_MOSI	PF9	21
T_PEN	PF10	22
T_CS	PF11	49
FSMC_A6	PF12	50
FSMC_A7	PF13	53
FSMC_A8	PF14	54
FSMC_A9	PF15	55

FSMC_A10	PG0	56
FSMC_A11	PG1	57
FSMC_A12	PG2	87
FSMC_A13	PG3	88
FSMC_A14	PG4	89
FSMC_A15	PG5	90
	PG6	91
	PG7	92
	PG8	93
	PG9	124
FSMC_NE3	PG10	125
	PG11	126
FSMC_NE4	PG12	127
	PG13	128
	PG14	129
	PG15	132

U1B

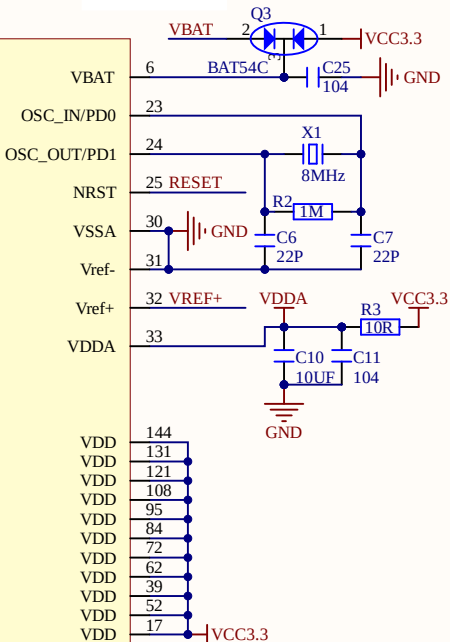
PE0/TMR4_ETR/SMC_NBL0
PE1/SMC_NBL1
PE2/TRACED0/SMC_A23
PE3/TRACED0/SMC_A19/DMC_DQ4
PE4/TRACED1/SMC_A20
PE5/TRACED2/SMC_A21/DMC_DQ5
PE6/TRACED3/SMC_A22/DMC_DQ6
PE7/SMC_D4/TMR1_ETR
PE8/SMC_D5/DMC_A4/TMR1_CH1N
PE9/SMC_D6/DMC_A5/TMR1_CH1
PE10/SMC_D7/DMC_A6/TMR1_CH2N
PE11/SMC_D8/DMC_A7/TMR1_CH2
PE12/SMC_D9/DMC_A8/TMR1_CH3N
PE13/SMC_D10/DMC_A9/TMR1_CH3
PE14/SMC_D11/TMR1_CH4
PE15/SMC_D12/DMC_CK/TMR1_BKIN

PF0/SMC_A0/DMC_DQ7
PF1/SMC_A1
PF2/SMC_A2/DMC_CS
PF3/SMC_A3
PF4/SMC_A4/DMC_RAS
PF5/SMC_A5/DMC_CAS
PF6/ADC3_IN4/SMC_NIORD/DMC_WE
PF7/ADC3_IN5/SMC_NREG
PF8/ADC3_IN6/SMC_NIOWR
PF9/ADC3_IN7/SMC_CD
PF10/ADC3_IN8/SMC_INTR/DMC_LDQM
PF11/SMC_NIOS16/DMC_BA
PF12/SMC_A6/DMC_A10
PF13/SMC_A7/DMC_A0
PF14/SMC_A8/DMC_A1
PF15/SMC_A9/DMC_A2

PG0/SMC_A10/DMC_A3
PG1/SMC_A11
PG2/SMC_A12
PG3/SMC_A13
PG4/SMC_A14
PG5/SMC_A15
PG6/SMC_INT2
PG7/SMC_INT3
PG8/DMC_CLK
PG9/SMC_NE2/SMC_NCE3/DMC_DQ15
PG10/SMC_NCE4_1/SMC_NE3
PG11/SMC_NCE4_2
PG12/SMC_NE4/DMC_DQ0
PG13/SMC_A24/DMC_DQ1
PG14/SMC_A25/DMC_DQ2
PG15

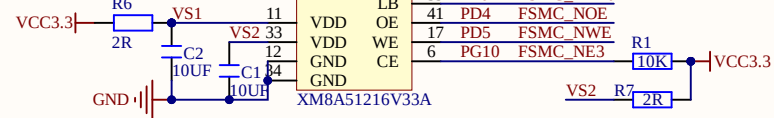
STM32F103ZET6

VBAT接JP2的PIN5



SRAM

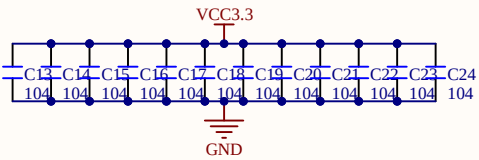
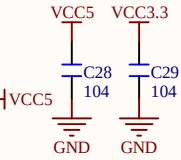
FSMC_A6	PF12	1	A0	I/O15	38	PD10	FSMC_D15
FSMC_A7	PF13	2	A1	I/O14	37	PD9	FSMC_D14
FSMC_A8	PF14	3	A2	I/O13	36	PD8	FSMC_D13
FSMC_A9	PF15	4	A3	I/O12	35	PE15	FSMC_D12
FSMC_A10	PG0	5	A4	I/O11	32	PE14	FSMC_D11
FSMC_A2	PF2	18	A5	I/O10	31	PE13	FSMC_D10
FSMC_A12	PG2	19	A6	I/O9	30	PE12	FSMC_D9
FSMC_A13	PG3	20	A7	I/O8	29	PE11	FSMC_D8
FSMC_A14	PG4	21	A8	I/O7	16	PE10	FSMC_D7
FSMC_A15	PG5	22	A9	I/O6	15	PE9	FSMC_D6
FSMC_A16	PD11	23	A10	I/O5	14	PE8	FSMC_D5
FSMC_A17	PD12	24	A11	I/O4	13	PE7	FSMC_D4
FSMC_A18	PD13	25	A12	I/O3	10	PD1	FSMC_D3
FSMC_A5	PF5	26	A13	I/O2	9	PD0	FSMC_D2
FSMC_A4	PF4	27	A14	I/O1	8	PD15	FSMC_D1
FSMC_A1	PF1	42	A15	I/O0	7	PD14	FSMC_D0
FSMC_A0	PF0	43	A16				
FSMC_A11	PG1	44	A17				
FSMC_A3	PF3	28	A18/NC	UB	40	PE1	FSMC_NBL1
			LB		39	PE0	FSMC_NBL0
			OE		41	PD4	FSMC_NOE
			WE		17	PD5	FSMC_NWE
			CE		6	PG10	FSMC_NE3



LCD

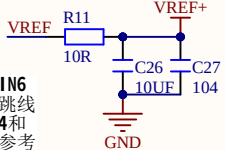
JP5

PG12	FSMC_NE4
PG0	FSMC_A10
PD5	FSMC_NWE
PD4	FSMC_NOE
	RESET
PD14	FSMC_D0
PD15	FSMC_D1
PD0	FSMC_D2
PD1	FSMC_D3
PD7	FSMC_D4
PD8	FSMC_D5
PD9	FSMC_D6
PD10	FSMC_D7
PD11	FSMC_D8
PD12	FSMC_D9
PD13	FSMC_D10
PD14	FSMC_D11
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PD8	FSMC_D13
PD9	FSMC_D14
PD10	FSMC_D15
PB0	LCD_BL

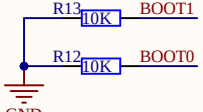


VREF

VREF通过JP1的PING引出，默认使用跳线帽短接JP1的PIN4和PING，用3.3V作参考



BOOT

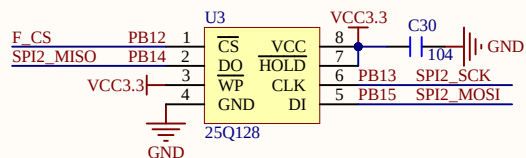


BOOT0和BOOT1默认都用电阻连接到GND，从用户代码启动
BOOT0同时和KEY0连接，按下KEY0，可以把BOOT0拉高！！方便进入BootLoader模式！

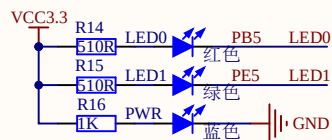
Title:	M144Z-M3.PrjPCB
Author:	ALIENTEK
Date:	2023/6/26
Revision:	V1.0
Size:	A4
File:	CORE_EFG.SchDoc
Version:	



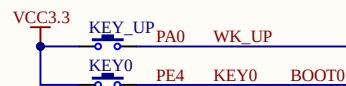
FLASH



LED



KEY

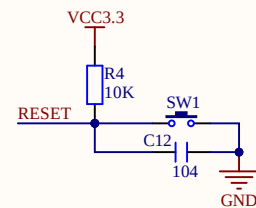


BOOT0和KEY0(PE4)共用KEY0按键

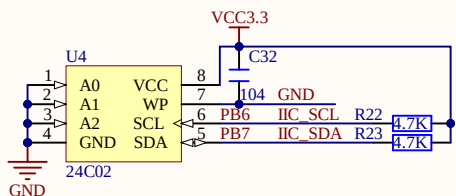
按下KEY0, 可以把BOOT0拉高!!
方便进入BootLoader模式!

BOOT0仅在上电阶段起作用!
不影响上电后, PE4的正常使用

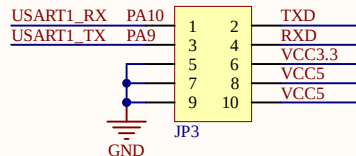
RESET



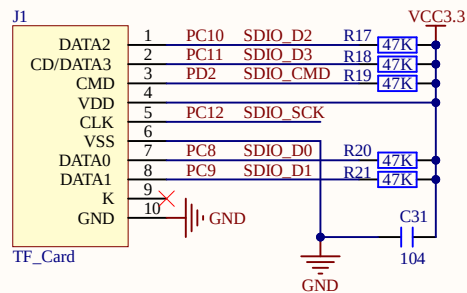
EEPROM



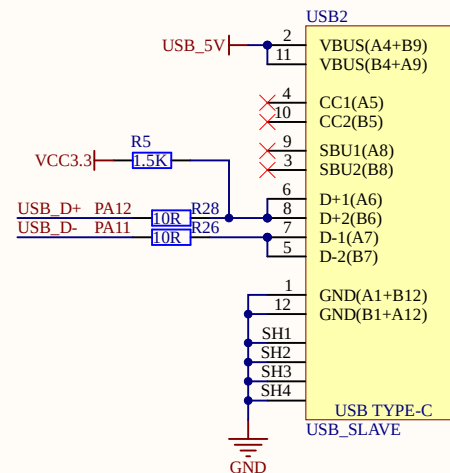
USB_UART & VOUT



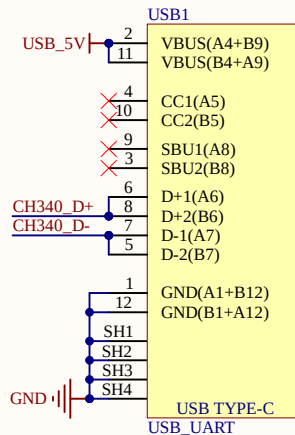
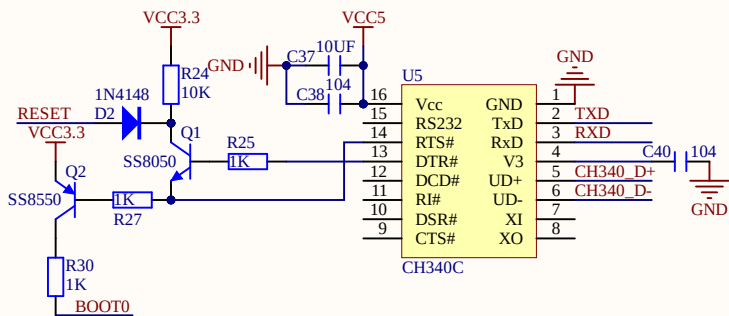
TF CARD



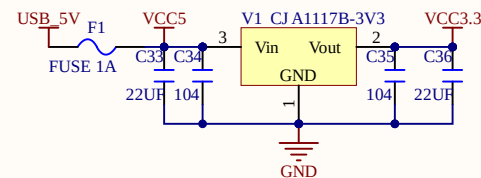
USB SLAVE



USB UART & USB POWER



LDO



Title:
M144Z-M3.PrjPCB
Author:
ALIENTEK
Date:
2023/6/26
Revision:
V1.0

Size:
A4
File:
DEVICE.SchDoc
Version:



