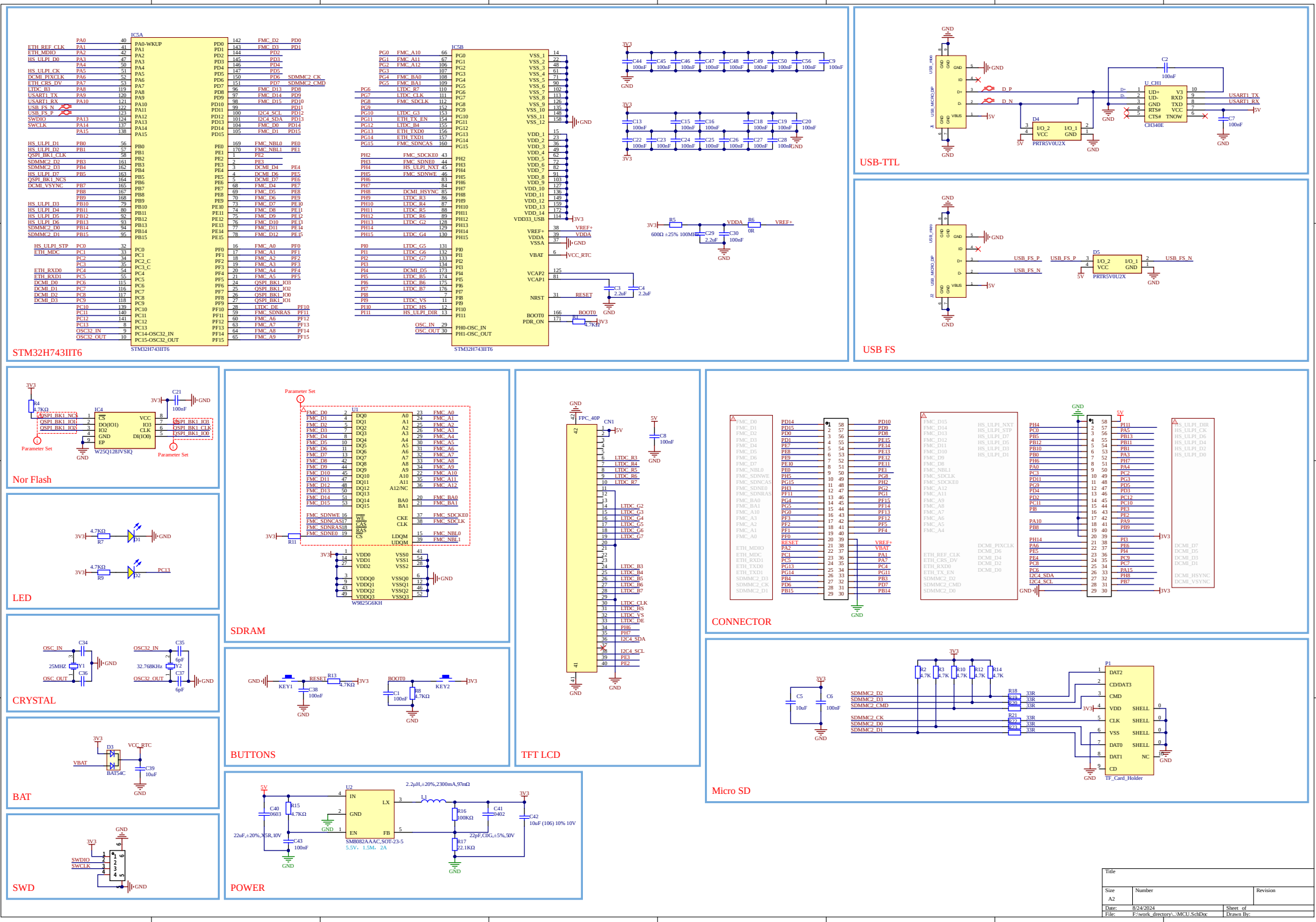
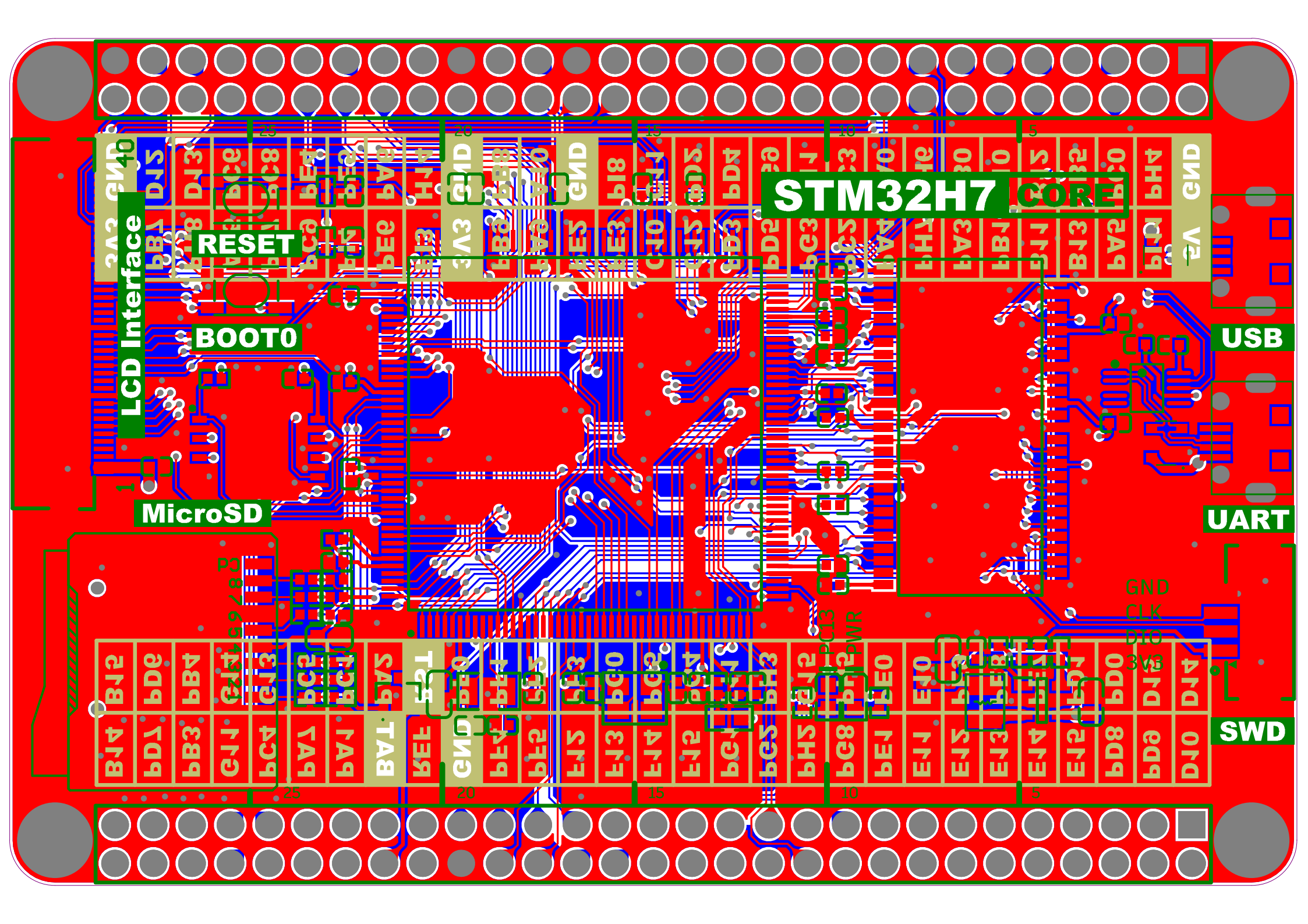

STM32H743IIT6
USB-TTL
USB FS
Nor Flash
LED
CRYSTAL
BAT
SWD
SDRAM
BUTTONS
POWER
TFT LCD
CONNECTOR
Micro SD
Title
Size
A2
Number
Revision
Date:
8/24/2024
Sheet of
File:
F:\work_directory\...\MCU.SchDoc
Drawn By:


STM32H7 CORE
LCD Interface
RESET
BOOT0
MicroSD
USB
UART
SWD
GND
CLK
DIO
3V3

Comment	Description	Designator	Footprint	LibRef	Quantity
100nF	贴片电容, 25v	C1, C2, C6, C7, C8, C9, C13, C15, C16, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C30, C38, C43, C44, C45, C46, C47, C48, C49, C50, C56	0402_C	0402 100nF (104) 10% 16V, Cap	31
2.2uF	贴片电容	C3, C4, C29	0402_C	0402 100nF (104) 10% 16V	3
10uF	25v, 贴片电容	C5, C39	0603_C	Cap, 0603 4.7uF (475) 10% 16V	2
12pF	贴片电容	C34, C36	0402_C	0402 20pF (200) 5% 50V	2
6pF	贴片电容	C35, C37	0402_C	0402 10pF (100) 5% 50V	2
±20%,murata,10V	GRM158R61A226ME15D,10V,22uF,±20%,X5R,0402,murata	C40	0603_C	02.01.00530	1
22pF,50V,0402	GRM1555C1H220JA01D,0402,MURATA,22pF,C0G,±5%,50V,	C41	0402_C	02.01.00290	1
10uF (106) 10% 10V	贴片电容	C42	0603_C	0603 10uF (106) 10% 10V	1
FPC_40P		CN1	FPC-SMD_P0.50-40P_FGS-XJ-H2.0	FPC_40P	1
HC-1.25-4PWT		CN5	SMD_4P-1.25	4P-1.25	1
黄灯 0603	发光二极管	D1, D2	0603_LED_S1	0603 黄灯	2
BAT54C	双肖特基二极管	D3	BAT54C215	BAT54C	1
PRTR5V0U2X	Diode	D4, D5	PRTR5V0U2X	PRTR5V0U2X	2
2.54-2x29P		H1, H2	2.54-2X29P	2.54-2x29P	2
W25Q128JVSIQ	Integrated Circuit	IC4	WSON-8-EP	W25Q256JVEIQ_TR	1
STM32H743IIT6	Integrated Circuit	IC5	QFP50P2600X2600X160-176N	STM32H743IIT6	1
USB_MICRO_DIP		J1, J2	MICRO_USB_5S	USB_MICRO_DIP	2
KEY-SMD-324225	KEY,SMD,324225	KEY1, KEY2	KEY-SOP324225	KEY-SMD-324225	2
DFE252010F-2R2M=P2,1008	DFE252010F-2R2M=P2,1008,MURATA,2.2μH,±20%,2300mA,97mΩ,	L1	INDC2520X10N	INDUCTOR1	1
TF_Card_Holder		P1	SD-MICRO-TF	TF_Card	1
4.7KΩ	贴片电阻	R1, R4, R7, R8, R9, R13, R15	0402_R	0603 4.7KΩ (4701) 1%, 0402 4.7KΩ (4701) 1%, 0402 10KΩ (1002) 1%	7
4.7K	贴片电阻	R2, R3, R10, R11, R12, R14	0402_R	Res, 0402 10KΩ (1002) 1%	6
600Ω ±25% 100MHz	贴片电阻	R5	0603_R	0603 100Ω (1000) 1%	1
0R	贴片电阻	R6	0402_R	Res	1
100KΩ	贴片电阻	R16	0402_R	0402 4.7KΩ (4701) 1%	1
22.1KΩ	贴片电阻	R17	0402_R	0402 4.7KΩ (4701) 1%	1
33R	贴片电阻	R18, R19, R20, R21, R22, R23	0402_R	Res	6
W9825G6KH	WINBOND SDRAM	U1	TSOPII-54	W9825G6KH	1
SM8082AAAC	SM8082AAAC,SOT-23-5,Silergy	U2	SOT-23-5	SM8082AAAC	1
CH340E		U_CH1	MSOP-10	CH340E	1
25MHZ	贴片晶振	Y1	SMD-3225_4P	SMD-3225_4P 16MHZ 9PF 10PPM	1
32.768KHz	贴片晶振	Y2	SMD-3215_2P FC-135	SMD-3215_2P 32.768KHz 20ppm 12.5pF	1