

Bill of Materials

Source Data From: **F103Balance.PrjPCB**
 Project: **F103Balance.PrjPCB**
 Variant: **None**

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Footprint	Comment	LibRef	Designator	Description	Quantity
XT30-PW-M	Header 2	Header 2	BAT	Header, 2-Pin	1
0603_C_f	104	0603 100nF (104	C1, C2, C4, C5, C7, C10, C11, C12, C14, C17, C18, C19, C21, C22, C25, C27	贴片电容	16
CD A(3216)	T22uF	Cap Pol1	C3, C6	Polarized Capacitor (Radial)	2
0603_C_f	22pF	0603 22pF (220	C8, C9	贴片电容	2
0603_C_f	2.2nF	0603 2.2nF (222	C13	贴片电容	1
0603_C_f	10uF	0603 10uF (106	C15	贴片电容	1
CM D(6.3*7.7)	47uF	Cap Pol1	C16	Polarized Capacitor (Radial)	1
0603_C_f	334	0603 100nF (104	C20	贴片电容	1
0603_C_f	22uF	0805 10uF (106	C23, C26	贴片电容	2
CM E(8*10.2)	220uF 35V	Cap Pol1	C24	Polarized Capacitor (Radial)	1
SOD-323	1N4148WS T4	SOD-323 1N4148	D3	二极管	1
LED-0603_GR	LED	LED	D5, LED, PWR		3
SOD-123	XBS104S14	Diode	D6	XBS104S14	1
SMB	KE	Diode	D7	Default Diode	1
SMB	KC	Diode	D8	Default Diode	1
XH2.54-LI-5P	Header 5	Header 5	ELE/CCD	Header, 5-Pin	1
0805_R	F1	Fuse 2	F1	Fuse	1
XH2.54-WI-6P	Header 6	Header 6	M1, M2	Header, 6-Pin	2
HDR1X4 无丝印		Header 4	OLED, SR04, SWD	Header, 4-Pin	3
XH2.54-LI-6P	Header 6	Header 6	PS2	Header, 6-Pin	1
SOT23-3N	SS8050	SOT-23 SS8050	Q1	三极管	1
SOT23-3N	SS8550	SOT-23 SS8550	Q2	三极管	1
0603_R_F	10K	0603 10KΩ (1002	R1, R2, R5, R7, R8, R10, R11, R12, R16, R18, R24	贴片电阻	11
0603_R_F	1K	0603 1KΩ (1001)	R3, R4, R9, R13, R14, R15, R21	贴片电阻	7
0603_R_F	1M	0603 1MΩ (1004	R6	贴片电阻	1
0603_R_F	6.8K	0603 6.8KΩ (680	R23	贴片电阻	1
KEY	SW-PB	SW-PB	RST, USR	Switch	2
SW	SW-SPDT	SW-SPDT	S1	SPDT Subminiature Toggle Switch, Right An	1
LQFP48 7X7	STM32F103C8T6	STM32F103C8T6	U1	ARM	1
SOP16_N	CH340G	CH340G	U2		1
QFN24 4x4_N	MPU-6050	MPU-6050	U3	传感器	1
SSOP-24_208	TB6612FNG	TB6612FNG	U4		1
TO252	78L05	78L05	U5	3-Terminal Positive Voltage Regulator	1
BlueTooth 2	SPP-C	SPP-C	U6		1
HDR2X4	Header 4X2	Header 4X2	UART2	Header, 4-Pin, Dual row	1
HDR1X4 无丝印	Header 4	Header 4	UART3	Header, 4-Pin	1
USB-micro_A	USB_5	USB_5	USB1		1
SOT223_N	AMS1117-3.3	SOT-223 AMS11	VR1	低压差线性稳压(LDO)	1
OSC 3225-4P	XTAL-4P	XTAL-4P	XTAL		1
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Approved	Notes