



Comment	Description	Designator	Footprint	LibRef	Quantity
10uF (106) 10% 10V	贴片电容	C1, C3, C4	0603_C	0603 10uF (106) 10% 10V	3
10nF (103) 10% 50V	贴片电容	C2, C14, C20, C21	0603_C	0603 10nF (103) 10% 50V	4
20pF (200) 5% 50V	贴片电容	C5, C6	0603_C	0603 20pF (200) 5% 50V	2
100nF (104) 10% 50V	贴片电容	C7, C8, C10, C11, C12, C16, C17, C22	0603_C	0603 100nF (104) 10% 50V	8
4.7uF (475) 10% 16V	贴片电容	C9	0603_C	0603 4.7uF (475) 10% 16V	1
22uF (226) 20% 25V	贴片电容	C13	0805_C	0805 22uF (226) 20% 25V	1
100pF (101) 5% 50V	贴片电容	C15	0603_C	0603 100pF (101) 5% 50V	1
100uF	Capacitor	C18, C19	RB2	电解电容	2
68nF (683) 10% 50V	贴片电容	C23	0603_C	0603 68nF (683) 10% 50V	1
绿灯 0603	发光二极管	D1	0603_LED_S1	0603 绿灯	1
M7	二极管	D2, D5	SMA(DO-214AC)_S1	SMA(DO-214AC) M7	2
蓝灯 0603	发光二极管	D3	0603_LED_S1	0603 蓝灯	1
红灯 0603	发光二极管	D4	0603_LED_S1	0603 红灯	1
Power		P1	DC005	CON2	1
Input	Header, 8-Pin	P2	HDR1X8	Header 8	1
Output		P4	HDR1X4	CON4	1
Pt100		P5	HDR1X2	CON2	1
FG 12V+ V-	Header, 3-Pin	P6	HDR1X3	Header 3	1
3.3 CLK GND SWD	Header, 4-Pin	P7	HDR1X4	Header 4	1
Header 8X2	Header, 8-Pin, Dual row	P8	HDR2X8	Header 8X2	1
Heater	Header, 2-Pin	P9	RX24	Header 2	1
DE TX RX GND	Header, 4-Pin	P10	HDR1X4	Header 4	1
Header 7	Header, 7-Pin	P11	HDR1X7	Header 7	1
Header 8	Header, 8-Pin	P12	HDR1X8	Header 8	1
AO3400A N道沟 X0YV1T SOT-23	MOS(场效应管)	Q1, Q3	SOT-23-3L	AO3400A N道沟 X0YV1T SOT-23	2
100KΩ (1003) 1%	贴片电阻	R1, R23	0603_R	0603 100KΩ (1003) 1%	2
3KΩ (3001) 1%	贴片电阻	R2	0603_R	0603 3KΩ (3001) 1%	1
10KΩ (1002) 1%	贴片电阻	R3, R4, R6, R14, R15, R16, R17, R18, R20	0603_R	0603 10KΩ (1002) 1%	9
220Ω (2200) 1%	贴片电阻	R5	0603_R	0603 220Ω (2200) 1%	1
300Ω (3000) 1%	贴片电阻	R7	1206_R	1206 300Ω (3000) 1%	1
20KΩ (2002) 1%	贴片电阻	R8, R9, R10, R11, R13	0603_R	0603 20KΩ (2002) 1%	5
1KΩ (1001) 1%	贴片电阻	R12, R19, R24, R27, R29	0603_R	0603 1KΩ (1001) 1%	5
7.5KΩ (7501) 1%	贴片电阻	R21, R25	0603_R	0603 7.5KΩ (7501) 1%	2
0Ω (0R0) 1%	贴片电阻	R22	0603_R	0603 0Ω (0R0) 1%	1
STM32F030K6T6	ARM Cortex-M0 32-bit MCU, 32 KB Flash, 4 KB Internal RAM, 26 I/Os, 32-pin LQFP, -40 to 85 degC, Trav	U1	LQFP-32_7x7x08P	STM32F030K6T6	1
CJ431 0.5%431	电压基准	U2	SOT-23(SOT-23-3)	CJ431 0.5%431_[C3113]	1
AD8607ARZ		U3	SO-8	1458	1
IR_R	Typical RED GaAs LED	VD1	LED-1	LED1	1
IR_T	Typical RED GaAs LED	VD2	LED-1	LED1	1
L78M05ABDT-TR	低压差线性稳压(LDO)	VR1	TO-252-2-180	TO-252-2 L78M05ABDT-TR	1
AMS1117-3.3	低压差线性稳压(LDO)	VR2	SOT-223	SOT-223 AMS1117-3.3	1
8MHz 20ppm 20pF	贴片晶振	Y1	SMD-5032_2P	SMD-5032_2P 8MHz 20p	1