













Comment	Description	Designator	Footprint	LibRef	Quantity
	Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor,				
3.1uf/50V	Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor,	C1, C2, C4, C6, C7, C8, C9, C16, C17, C19, C20, C21, C22, C23, C24, C25, C28, C29, C34,	0603_C	CAP	26
	Capacitor, Capacitor, Capacitor, Capacitor, 0.1uf/50V, Capacitor, Capacitor, Capacitor,	C35, C48, C49, C51, C52, C56, C57			
	Capacitor, Capacitor, Capacitor, 0.1uf/50V				
220uf/35V/8*12 4.3PF	直插电解电容 Capacitor	C3 C10, C11	CAP8*12 0603_C	C-CAP CAP	2
10PF	Capacitor	C12, C13	0603_C	CAP	2
2.2uf/10V 10UF/16V	Capacitor	C14, C15 C18, C50	0603_C 0603_C	CAP	2
103/35V	Capacitor	C26	0603_C	CAP	1
10uF/35V 22uf/16V	10uf/35V Capacitor	C30	0805_C 0805_C	CAP	1
1.5nf/50V	Capacitor	C32	0603_C	CAP	1
10uf/50V 22UF/10v	Capacitor 22UF/50v	C33 C36	1206_C 0805_C	CAP	1
104 50V	贴片电容	C37, C38, C39, C40,	0603_C	0603 100nF (104) 10%	6
22pF (220) 5% 50V	贴片电容	C41, C44 C42, C43	0603_C	0603 22pF (220) 5% 50V	2
10uF (106) 10% 25V	贴片电容	C45	0805_C	0805 10uF (106) 10% 25V	1
3.1uf(104)/50V	Capacitor	C46, C47	0603_C	CAP	2
10uf/25V 1nf/50V	Capacitor Capacitor	C53 C54	0603_C 0603_C	CAP	1
100PF/50V	Capacitor	C55	0603_C	CAP	1
22pf	22pf	C58 CARD1	0603_C TF-SMD_THD2528-	CAP	1
THD2528-11SD-GF BAT		CN1	11SD-GF BATS	THD2528-11SD-GF BAT	1
SMAJ24A	Schottky Diode	D1, D4, D7	SMA(DO-214AC)_S1	D Schottky	3
SMBJ6.5CA	TVS	D2, D3, D5, D6, D8, D9	SMB(DO-214AA)_S1	SMB/DO-214AA P6SMB6.8CA	6
1N4148 5S34	肖特基二极管 二极管	D10, D11 D12	SOD-123 SMA(DO-214AC) S1	SOD-123 B5819W SL SMA(DO-214AC) SS54	2
5S14	二极管	D13	SMA(DO-214AC)_S1	SMA(DO-214AC) SS54	1
M7	Zener Diode	D20 D21. D22. D23. D24.	SO-0.4	ZENER3	1
PGB1010603NR		D25, D26, D27	D0603-BI	PGB1010603NR	7
3.75A/30V 30R/2.0A/0.05DCR	Fuse 贴片电感	F1 FB1, FB2, FB3, FB5	1206_R 0603_L	Fuse 1 0603 3.9nH 0.3nH	1 4
Ferrite Bead		FB4	0603_L	IND1009	1
RJ12 Header 4	Header, 4-Pin	J1, J2, J3 J4	RJ12 CON4-2.0	RJ12 Header 4	3
KH-F G0.5-H2.0-20PIN		J5	FPC-SMD_KH-FG0.5-	KH-FG0.5-H2.0-20PIN	1
CON3	Connector	J7	H2.0-20PIN POWER	CON3	1
HY911102A HFD4/5		J8 K5	RJ45-TH_HR911105A RELAY-TH_HFDXXX	HY911102A HFD4/5	1
22UH/3A		L1	IND-SMD_L10.5-	HFD4/5	1
5.8uH		L2	W10.3_SLD10D50 L-SPD	L	1
30Ω		L3	0603_L	30Ω	1
500R/100M 黄绿	10. dr — 207 MA	L4 LED1, LED2, LED3,	0603_L LED-3F	SCBM160808U600T 0805 準線	5
東塚	发光二极管 发光二极管	.ED4, LED5 LED6	LED-3F	0805 単級	1
Header 3	Header, 3-Pin	P1	CON-KF-22R-3P	Header 3	1
SS8050 Y1 S2305_C402251	三极管	Q1, Q2, Q3, Q4, Q6 Q5	SOT-23(SOT-23-3) SOT-23-3L	SOT-23 SS8050 Y1 G2305_C402251	5
2k/1%		R1, R9, R17	0603_R	电阻	3
580R/5%		R2, R6, R10, R14, R18, R22	0603_R	电阻	6
1R-1/4W/5%		R3, R5, R11, R13, R19, R21	1206_R	电阻	6
4.7k/1%		R4, R12, R20	0603_R	电阻	3
33R/1%		R7, R8, R15, R16, R23, R24	0603_R	电阻	6
33R/5%		R25, R26, R29, R33, R34, R36, R38, R40, R41, R72, R113	0603_R	电阻	11
100K/5%		R27 R28, R32, R35, R37,	0603_R	电阻	1
		R42, R43, R44, R47, R52, R53, R54, R55.			
10R/5%		R56, R58, R59, R60, R61, R62, R64, R65,	0603_R	电阻	25
		R79, R80, R110, R111, R114 R30, R31, R39, R45,			
JR/5%		R50, R51, R59, R45, R51, R51, R51, R50, R78	0603_R 0603_R	电阻	9
10K/5%		R57, R63, R66, R69, R70, R74, R75, R76, R81, R82, R84, R112,	0603_R	电阻	13
104/10		R67, R102, R104, R107,	0603 R	du PRI	
10K/1% 3.24k/1%		R68		电阻	5
3.24k/1% 100R/5%		R68 R71	0603_R 0603_R	电阻	1
100K/1%		R73, R106	0603_R	电阻	2
22k/1% 220R/5%		R77 R83	0603_R 0603_R	电阻	1
510Ω (5100) ±1%	贴片电阻	R85, R87, R94, R95	0603_R	0603 510Ω (5100) 1%	4
49.9Ω (49R9) ±1% 10Ω (10R0) ±1%	贴片电阻 贴片电阻	R86, R88, R90, R92 R89, R91, R93, R96, R97	0603_R 0603_R	0603 49.9Ω (49R9) 1% 0603 10Ω (10R0) 1%	4 5
33Ω (33R0) ±1%	贴片电阻	R98	0603_R	0603 33Ω (33R0) 1%	1
1MΩ (1004) ±1% 12KΩ (1202) ±1%	贴片电阻 贴片电阻	R99 R100	0603_R 0603_R	0603 1MΩ (1004) 1% 0603 12KΩ (1202) 1%	1
10KΩ (1002) ±1%	贴片电阻 贴片电阻	R101	0603_R	0603 12KΩ (1202) 1% 0603 10KΩ (1002) 1%	1
270R/1%		R103, R105	0603_R	电阻	2
22R/1% PTC/0.2A/30V	Fuse	R108 RV1, RV2, RV3	0603_R 1206_R	电阻 Fuse 1	3
MAX485		U1, U2, U3	SOIC-8_150mil	MAX485	3
STM32F407VET6		U4	LQFP-100_L14.0-W14.0- P0.50-LS16.0-BL	STM32F407VET6	1
WH-BLE102	带OVP 的白光LED 驱动	U5	WH-BLE102-V1.1	WH-BLE102	1
SY8291	用升压DC/DC 转换器	U6	SOT-23-6	PT4101	1
LAN8720AI-CP-TR FPS5430DDA		U7 U8	QFN-24_4x4x05P SOIC-8_L5.0-W4.0-	LAN8720AI-CP-TR TPS5430DDA	1
W25Q16JVSNIQ		U9	P1.27-LS6.0-BL-EP2.0 SOIC-8_208mil	W25Q16JVSNIQ	1
32.768KHz		X1	MC-146_4P OSC-SMD_4P-L3.2-	32.768KHz	1
25MHz	81-14-11-16C	X2	W2.5-BL	25MHz	1
3MHz ±10ppm 12pF	贴片晶振	Y1	HC-49SMD	SMD-5032_2P 8MHz 20p	1