

Designator	Comment	Footprint	Quantity
C1	100uF	RVT	1
C2	100uF	RVT	1
C3	0.1uF	C0603	1
C4	0.1uF	C0603	1
C5	220uF/16V	RVT	1
C6	0.1uF	C0603	1
C7	150pF	C0603	1
C8	不焊	C0603	1
C9	1uF	C0603	1
C10	1uF	C0603	1
C11	1uF	C0603	1
C12	10uF	RVT4X6	1
C13	2.2uF	C0603	1
C14	0.1uF/NL	C0603	1
C15	0.1uF	C0603	1
C16	0.1uF	C0603	1
C17	0.1uF	C0603	1
C18	10pF	C0603	1
C19	10pF	C0603	1
C20	22pF	C0603	1
C21	22pF	C0603	1
C22	0.1uF	C0603	1
C23	1uF	C0603	1
C24	0.1uF	C0603	1
C25	0.1uF	C0603	1
C26	0.1uF	C0603	1
C27	0.1uF	C0603	1
C28	0.1uF	C0603	1
C29	0.1uF	C0603	1
C30	0.1uF	C0603	1
C31	1uF	C0603	1
C32	1uF	C0603	1
C37	0.1uF	C0603	1
C38	0.1uF	C0603	1
C39	0.1uF	C0603	1
C40	0.1uF	C0603	1
C42	22pF	C0603	1
C43	0.1uF	C0603	1
C44	1uF	C0603	1
C45	0.1uF	C0603	1
C46	0.1uF	C0603	1
C49	0.1uF	C0603	1
C50	0.1uF	C0603	1
C51	0.1uF	C0603	1
C52	10uF	RVT4X6	1
C53	10uF	RVT4X6	1

C55	22pF	C0603	1
Cm1_M1	100uF	RVT	1
Cm1_M2	100uF	RVT	1
Cm1_M3	100uF	RVT	1
Cm1_M4	100uF	RVT	1
Cm2_M1	0.1uF	R0603	1
Cm2_M2	0.1uF	R0603	1
Cm2_M3	0.1uF	R0603	1
Cm2_M4	0.1uF	R0603	1
Cm4_M1	0.1uF	R0603	1
Cm4_M2	0.1uF	R0603	1
Cm4_M3	0.1uF	R0603	1
Cm4_M4	0.1uF	R0603	1
Cm5_M1	0.1uF	R0603	1
Cm5_M2	0.1uF	R0603	1
Cm5_M3	0.1uF	R0603	1
Cm5_M4	0.1uF	R0603	1
Cm6_M1	0.1uF	R0603	1
Cm6_M2	0.1uF	R0603	1
Cm6_M3	0.1uF	R0603	1
Cm6_M4	0.1uF	R0603	1
Cm7_M1	0.22uF	R0603	1
Cm7_M2	0.22uF	R0603	1
Cm7_M3	0.22uF	R0603	1
Cm7_M4	0.22uF	R0603	1
D1	SMA-S1G-1A	D-SMA	1
D2	S1A-13-F	D-SMA	1
D3	LED	LED0603	1
D4	B340A-13-F	D-SMA	1
D5	SS12	D-SMA	1
D6	LED	LED0603	1
D7	LED	LED0603	1
D8	ZMM6V2	D-SMA	1
D13	LED	LED0603	1
D14	LED	LED0603	1
D16	LED	LED0603	1
F1	25A	F1206	1
F2	12A	F1206	1
F3	RCL-1.5A	MF-MSMF050	1
F4	500mA	MF-MSMF050	1
J1	Header 2	XH-2A	1
J2	Header 3X2	HDR2X3	1
J3	USB	USBB	1
J4	Header 2	XH-2A	1
J5	Header 2	DG302-5.0	1
J6	Header 2	129-5.08	1
J7	XH-9A	XH-9A	1

J8	X	XH-3A	1
J9	Header 2	XH-2A	1
J10	Y	XH-3A	1
J11	Header 2	XH-3A	1
J12	Z-	XH-3A	1
J13	Header 2	XH-2A	1
J14	Header 3	HDR1X3	1
J15	Z+	XH-3A	1
Jm1_M1	XH-4A	XH-4A	1
Jm1_M2	XH-4A	XH-4A	1
Jm1_M3	XH-4A	XH-4A	1
Jm1_M4	XH-4A	XH-4A	1
JP7	FPC32	FPC32	1
L1	DO3316P 15uH-3A	DO3316P	1
LG1	BLM21	R0805	1
M1	ESP-12F	ESP-12S-A	1
mark1	fiducial	fiducial	1
mark2	fiducial	fiducial	1
mark3	fiducial	fiducial	1
MT_DET	Header 3	XH-3A	1
POWER	DG302-5.0	129-5.08	1
POWER0	PWR_DC-21MM	PWR_DC-21MM	1
PW_DET	Header 3	XH-3A	1
Q1	BCW66HTA	SOT-23B	1
Q2	STD52P3LLH6	TO-252AA	1
Q3	BCW66HTA	SOT-23B	1
Q4	HY3403	TO-252AA	1
Q5	BCW66HTA	SOT-23B	1
Q7	HY1403	TO-252AA	1
Q13	HY1403	TO-252AA	1
R1	1.8K	R0603	1
R2	100K	R0603	1
R3	210k	R0603	1
R4	40.2k	R0603	1
R5	24.9k	R0603	1
R6	10K	R0603	1
R7	10K	R0603	1
R8	10K	R0603	1
R9	10K	R0603	1
R10	10K	R0603	1
R11	10K	R0603	1
R12	10K	R0603	1
R13	4.7K	R0603	1
R14	100K	R0603	1
R15	4.7K	R0603	1
R16	4.7K	R0603	1
R17	4.7K	R0603	1

R18	100K	R0603	1
R19	4.7K	R0603	1
R20	4.7K	R0603	1
R21	10K	R0603	1
R22	100	R0603	1
R23	1K	R0603	1
R24	10K	R0603	1
R25	10K	R0603	1
R26	4.7K	R0603	1
R27	4.7K	R0603	1
R28	1K	R0603	1
R29	1K	R0603	1
R30	100K	R0603	1
R31	1.8K	R0603	1
R32	1.8K	R0603	1
R33	22	R0603	1
R34	22	R0603	1
R35	1K	R0603	1
R36	1K	R0603	1
R37	10K	R0603	1
R38	10K	R0603	1
R39	10K	R0603	1
R40	10K	R0603	1
R41	1K	R0603	1
R42	1K	R0603	1
R43	10	R0603	1
R45	1.8K	R0603	1
R46	10K	R0603	1
R47	100K	R0603	1
R48	10	R0603	1
R49	10K	R0603	1
R50	1K	R0603	1
R51	1.8K	R0603	1
R52	10K	R0603	1
R53	100K	R0603	1
R54	10K	R0603	1
R55	10K	R0603	1
R56	1k	R0603	1
R57	100K	R0603	1
R58	20k	R0603	1
R59	5.1k	R0603	1
R60	10k	R0603	1
R61	5.1k	R0603	1
R62	10	R0603	1
R63	1.8K	R0603	1
R64	100K	R0603	1
R67	1k	R0603	1

R68	10	R0603	1
R75	10K	R0603	1
R76	10K	R0603	1
R77	10K	R0603	1
R78	10K	R0603	1
R79	10K	R0603	1
R80	10K	R0603	1
R82	1K	R0603	1
R84	10K	R0603	1
R85	4.7K	R0603	1
R86	4.7K	R0603	1
R87	10K	R0603	1
R88	100	R0603	1
R89	100	R0603	1
Rm1_M1	0.2	R0805	1
Rm1_M2	0.2	R0805	1
Rm1_M3	0.2	R0805	1
Rm1_M4	0.2	R0805	1
Rm2_M1	0.2	R0805	1
Rm2_M2	0.2	R0805	1
Rm2_M3	0.2	R0805	1
Rm2_M4	0.2	R0805	1
Rm3_M1	10K	R0603	1
Rm3_M2	10K	R0603	1
Rm3_M3	10K	R0603	1
Rm3_M4	10K	R0603	1
Rm6_M1	10K	R0603	1
Rm6_M2	10K	R0603	1
Rm6_M3	10K	R0603	1
Rm6_M4	10K	R0603	1
RPK1	100	RPACK4	1
RPK2	100	RPACK4	1
RPK3	100	RPACK4	1
RPK4	100	RPACK4	1
Ry1	1M	R0603	1
Ry2	1M	R0603	1
SD1	microSD	microSD-2	1
TB1	Header 2	XH-2A	1
TC1	Header 6	HDR1X6	1
TH1	Header 2	XH-2A	1
U1	MP1584EN	SOIC8E	1
U2	LM1117-3.3V	SOT223-4N	1
U3	W25Q64BVSSI	W25Q64BVSSI	1
U4	STM32F103VET6	LQFP100	1
U5	AT24C16N-10SI-2.7	SO8	1
U7	CH340G	SO16	1
Um_M1	A4988	QFN28	1

Um_M2	A4988	QFN28	1
Um_M3	A4988	QFN28	1
Um_M4	A4988	QFN28	1
Y1	32.768K	FC-135	1
Y2	8M	Y	1
Y3	12M	Y	1
Z1	CG0603MLC-05E	R0603	1
Z2	CG0603MLC-05E	R0603	1
Z3	CG0603MLC-05E	R0603	1