Designator	Comment	Footprint	Quantity
C1	100uF	RVT	1
C2	100uF	RVT	1
C3	0.1uF	C0603	1
C4	0.1uF	C0603	1
C5	100uF	RVT	1
C6	0.1uF	C0603	1
C7	0.1uF	C0603	1
C8	不焊	C0603	1
C10	150pF	C0603	1
C11	22uF	RVT4X5.5	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
C24	0.1uF	C0603	1
C25	100uF	RVT	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	0.1uF	C0603	1
C32	0.1uF	C0603	1
C33	0.1uF	C0603	1
C34	0.1uF	C0603	1
C35	0.1uF	C0603	1
C36	0.1uF	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
C47	0.1uF	C0603	1
C48	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
C54	10uF	RVT4X6		1
C55	22pF	C0603		1
C56	0.1uF	C0603		1
C57	0.1uF	C0603		1
C58	2.2uF	C0603		1
C59	2.2uF	C0603		1
C60	0.1uF	C0603		1
Cm1_M1	100uF	RVT		1
Cm1_M2	100uF	RVT		1
Cm1_M3	100uF	RVT		1
Cm1_M4	100uF	RVT		1
Cm1_M5	100uF	RVT		1
D1	S1G-13-F	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	SS12	D-SMA		1
D9	SS12	D-SMA		1
D13	LED	LED0603		1
D14	LED	LED0603		1
D15	LED	LED0603		1
D16	LED	LED0603		1
F1	30A	F1206		1
F2	15A	F1206		1
F3	RCL-1.5A	MF-MSMF050		1
F4	500mA	MF-MSMF050		1
F5	500mA	MF-MSMF050		1
Fid1	Fiducial	Fiducial-A		1
Fid2	Fiducial	Fiducial-A		1
Fid3	Fiducial	Fiducial-A		1
J1	Header 2	XH-2A		1
J2	JTAG	HDR2X3		1
J3	USB	USBB		1
J4	DG302-6P 5.0	DG302-5.0-6P		1
J6	Header 2	129-5.08		1
J7	Header 9	XH-9A		1
J8	X-	XH-3A		1
J9	X+	XH-3A		1
J10	Y-	XH-3A		1
J11	Y+	XH-3A		1

J12	Z-	XH-3A		1
J13	Z+	XH-3A		1
J15	Header 1X3	HDR1X3		1
J16	Header 2	XH-2A		1
J17	Header 2	XH-2A		1
J18	Header 2	XH-2A		1
J19	Header 2	XH-2A		1
J20	OTG	USB-A		1
J21	Header 4X2	ESP-01		1
Jm1_M1	Header 4H	XH-4A		1
Jm1_M2	Header 4H	XH-4A		1
Jm1_M3	Header 4H	XH-4A		1
Jm1_M4	Header 4H	XH-4A		1
Jm1_M5	Header 4H	XH-4A		1
Jm2_M1	DIP16	DIP8825		1
Jm2_M2	DIP16	DIP8825		1
Jm2_M3	DIP16	DIP8825		1
Jm2_M4	DIP16	DIP8825		1
Jm2_M5	DIP16	DIP8825		1
Jm3_M1	Header 4	HDR1X4		1
Jm3_M2	Header 4	HDR1X4		1
Jm3_M3	Header 4	HDR1X4		1
Jm3_M4	Header 4	HDR1X4		1
Jm3_M5	Header 4	HDR1X4		1
Jm4_M1	Header 3X2	HDR2X3		1
Jm4_M2	Header 3X2	HDR2X3		1
Jm4_M3	Header 3X2	HDR2X3		1
Jm4_M4	Header 3X2	HDR2X3		1
Jm4_M5	Header 3X2	HDR2X3		1
JP7	FPC32	FPC32		1
L1	DO3316P 15uH-3A	DO3316		1
LG1	BLM21	R0805		1
LG2	BLM21	R0805		1
M1	ESP-12S	ESP-12S-A		1
MT_DET1	Header 3	XH-3A		1
MT_DET2	Header 3	XH-3A		1
POWER	DG302-5.0	129-5.08		1
PW_DET	Header 3	XH-3A		1
PW_OFF	Header 3	XH-3A		1
Q1	FDN340P	SOT-23		1
Q4	HY3403	TO-252AA		1
Q7	HY1403	TO-252AA		1
Q10	HY1403	TO-252AA		1
Q13	HY1403	TO-252AA		1
R1	1.8K	R0603		1
R2	100K	R0603		1
R3	24.9k	R0603		1

R4	100K	R0603	1
R5	226k	R0603	1
R6	100K	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	0Ω	R0603	1
R15	4.7K	R0603	1
R16	4.7K	R0603	1
R17	4.7K	R0603	1
R18	0Ω	R0603	1
R19	4.7K	R0603	1
R20	4.7K	R0603	1
R21	10K	R0603	1
R22	40.2k	R0603	1
R23	10K	R0603	1
R24	10K	R0603	1
R25	10K	R0603	1
R26	4.7K	R0603	1
R27	4.7K	R0603	1
R28	10K	R0603	1
R29	100K	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	10K	R0603	1
R42	10K	R0603	1
R43	10	R0603	1
R44	1K	R0603	1
R45	1.8K	R0603	1
R46	10K	R0603	1
R47	100K	R0603	1
R48	10	R0603	1
R49	10K	R0603	1
R50	0Ω	R0603	1

R51	1.8K	R0603		1
R52	0Ω	R0603		1
R53	100K	R0603		1
R54	0Ω	R0603		1
R55	10	R0603		1
R56	1.8K	R0603		1
R57	100K	R0603		1
R58	100K	R0603		1
R59	10K	R0603		1
R60	100	R0603		1
R61	1K	R0603		1
R62	10	R0603		1
R63	1.8K	R0603		1
R64	100K	R0603		1
R65	100	R0603		1
R66	100	R0603		1
R67	100	R0603		1
R68	10	R0805		1
R69	10K	R0603		1
R70	10K	R0603		1
R71	10K	R0603		1
R72	10K	R0603		1
R73	10K	R0603		1
R74	10K	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
R83	22	R0603		1
R85	4.7K	R0603		1
R86	4.7K	R0603		1
R87	4.7K	R0603		1
R88	22	R0603		1
R89	10K	R0603		1
R90	10K	R0603		1
Rm1_M1	10K	R0603		1
Rm1_M2	10K	R0603		1
Rm1_M3	10K	R0603		1
Rm1_M4	10K	R0603		1
Rm1_M5	10K	R0603		1
Rm2_M1	100K	R0603		1
Rm2_M2	100K	R0603		1
Rm2_M3	100K	R0603		1
Rm2_M4	100K	R0603		1
Rm2_M5	100K	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
S1	TS42	TS42	1
SD	SD	SDC009-A0-106X	1
TB1	Header 2	XH-2A	1
TC	Header 6X2	HDR2X6	1
TH1	Header 2	XH-2A	1
TH2	Header 2	XH-2A	1
U1	MP1584EN	SOIC8E	1
U2	LM1117-3.3V	SOT223-4N	1
U3	W25Q64BVSSI	W25Q64BVSSI	1
U4	STM32F407ZET6	LQFP144	1
U5	AT24C16N-10SI-2.7	SO8	1
U7	CH340G	SO16	1
XS1	Header 3X2	HDR2X3	1
XS2	Header 3X2	HDR2X3	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
Z4	CG0603MLC-05E	R0603	1
Z5	CG0603MLC-05E	R0603	1
Z6	CG0603MLC-05E	R0603	1