Designator	Comment	Footprint	Quantity
AUX-1	Header 4X2	DC8P	1
C1	100uF	RVT	1
C2	0.1uF	C0603	1
C3	0.1uF	C0603	1
C4	220uF	RVT	1
C5	100uF	RVT	1
C6	0.1uF	C0603	1
C7	10uF/25V	C0805	1
C8	10uF/25V	C0805	1
C9	150pF	C0603	1
C10	0.1uF	C0603	1
C11	0.1uF	C0603	1
C12	0.1uF	C0603	1
C13	0.1uF	C0603	1
C14	0.1uF	C0603	1
C15	22pF	C0603	1
C16	10pF	C0603	1
C17	22pF	C0603	1
C18	10pF	C0603	1
C19	0.1uF	C0603	1
C20	0.1uF	C0603	1
C21	0.1uF/NL	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	10uF/25V	C0805	1
C30	10uF/25V	C0805	1
C32_M1	100uF	RVT	1
C32_M2	100uF	RVT	1
C32_M3	100uF	RVT	1
C32_M4	100uF	RVT	1
C33	1nF	C0603	1
C34	1nF	C0603	1
C35_M1	100nF	C0603	1
C35_M2	100nF	C0603	1
C35_M3	100nF	C0603	1
C35_M4	100nF	C0603	1
C36_M1	100nF	C0603	1
C36_M2	100nF	C0603	1
C36_M3	100nF	C0603	1
C36_M4	100nF	C0603	1
C37_M1	22nF	C0603	1
C37_M2	22nF	C0603	1
C37_M3	22nF	C0603	1
C37_M4	22nF	C0603	1
C38_M1	100nF	C0603	1

C38_M2	100nF	C0603		1
C38_M3	100nF	C0603		1
C38_M4	100nF	C0603		1
C39_M1	100nF	C0603		1
C39_M2	100nF	C0603		1
C39_M3	100nF	C0603		1
C39_M4	100nF	C0603		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	SS14	SOD-123		1
D6	LED	LED0603		1
D7	LED	LED0603		1
D8	LED	LED0603		1
D9	LED	LED0603		1
D11	LED	LED0603		1
Ender3-EXP1	Header 5X2	DC10P		1
EXP1	Header 5X2	DC10P		1
EXP2	Header 5X2	DC10P		1
F1	30A	F1206		1
F2	15A	F1206		1
F3	1.5A	L1812		1
FAN	Header 2	XH-2A		1
Fid1	Fiducial	Fiducial-A		1
Fid2	Fiducial	Fiducial-A		1
Fid3	Fiducial	Fiducial-A		1
J1	JTAG	HDR2X3		1
J2	MINI-5PIN-180	USB_MINI/SM0.8-6H5		1
J4	HG129-4P	HG129-4P		1
J5	Header 2	XH-2A		1
J6	Header 3	HDR1X3		1
J7	XH-2A	XH-2A		1
J8	XH-2A	XH-2A		1
J9	XH-2A	XH-2A		1
J10	Z+	XH-3A		1
J11_M1	Header 3	HDR1X3		1
J11_M2	Header 3	HDR1X3		1
J11_M3	Header 3	HDR1X3		1
J11_M4	Header 3	HDR1X3		1
J13	Header 3	HDR1X3		1
J18	XH-3A	XH-3A		1
J19	XH-2A	XH-2A		1
J21	XH-2A	XH-2A		1
Jc1_M1	Header 2	HDR1X2		1
Jc1_M2	Header 2	HDR1X2		1
Jc1_M3	Header 2	HDR1X2		1
Jc1_M4	Header 2	HDR1X2		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
JM2_M4	Header 4H	XH-4A	1
L1	15uH	L7*7*4	1
MT_DET	Header 3	XH-3A	1
POWER1	HG129-2P	HG129-2P	1
PWR	DC-007B电源接口 φ=2.5mm	DC-007B	1
Q1	HY3403	TO-252AA	1
Q2	HY1403	TO-252AA	1
Q3	SS8050	SOT-23	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	100K	R0603	1
R7	100K	R0603	1
R8	100K	R0603	1
R9	10K	R0603	1
R10	10K	R0603	1
R11	10K	R0603	1
R12	1.8K	R0603	1
R13	1.8K	R0603	1
R14	1K	R0603	1
R15	1K	R0603	1
R16	22	R0603	1
R17	22	R0603	1
R18_M1	20K	R0603	1
R18_M2	20K	R0603	1
R18_M3	20K	R0603	1
R18_M4	20K	R0603	1
R19_M1	20K	R0603	1
R19_M2	20K	R0603	1
R19_M3	20K	R0603	1
R19_M4	20K	R0603	1
R20_M1	0.11	R0805	1
R20_M2	0.11	R0805	1
R20_M3	0.11	R0805	1
R20_M4	0.11	R0805	1
R21_M1	0.11	R0805	1
R21_M2	0.11	R0805	1
R21_M3	0.11	R0805	1
R21_M4	0.11	R0805	1
R22_M1	20K	R0603	1
R22_M2	20K	R0603	1
R22_M3	20K	R0603	1
R22_M4	20K	R0603	1
R23	0	R0603	1
R24	100	R0603	1
R25	100	R0603	1
R26	4.7K	R0603	1
R27	1K	R0603	1

R28	100	R0603	1
R29	100	R0603	1
R30	4.7K	R0603	1
R31	4.7K	R0603	1
R32	4.7K	R0603	1
R33	4.7K	R0603	1
R34	1K	R0603	1
R35	1K	R0603	1
R36	1K	R0603	1
R37	1K	R0603	1
R38	4.7K	R0603	1
R39	4.7K	R0603	1
R40	100	R0603	1
R41	100	R0603	1
R42	100	R0603	1
R43_M1	0/NC	R0603	1
R43_M2	0/NC	R0603	1
R43_M3	0/NC	R0603	1
R43_M4	0/NC	R0603	1
R44_M1	0/NC	R0603	1
R44_M2	0/NC	R0603	1
R44_M3	0/NC	R0603	1
R44_M4	0/NC	R0603	1
R45_M1	20K	R0603	1
R45_M2	20K	R0603	1
R45_M3	20K	R0603	1
R45_M4	20K	R0603	1
R46	100K	R0603	1
R47	100K	R0603	1
R48	100K	R0603	1
R49	1.8K	R0603	1
R50	1.8K	R0603	1
R51	1.8K	R0603	1
RPK1	10K	RPACK4	1
RPK3_M1	100	RPACK4	1
RPK3_M2	100	RPACK4	1
RPK3_M3	100	RPACK4	1
RPK3_M4	100	RPACK4	1
RPm1_M1	20K	TRIM	1
RPm1_M2	20K	TRIM	1
RPm1_M3	20K	TRIM	1
RPm1_M4	20K	TRIM	1
Ry1	1M	R0603	1
S1	SWITCH_2P	SMD-260G-3*6*5	1
SD	microSD	microSD	1
TB	Header 2	XH-2A	1
TH1	Header 2	XH-2A	1
U1	MP1584EN	SOIC8E	1
U2	LM1117-3.3V	SOT223-4N	1
U3	STM32F103RCT6	LQFP64	1
U4	CH340C	SOP16	1

U5_M1	TMC2209-LA	QFN28		1
U5_M2	TMC2209-LA	QFN28		1
U5_M3	TMC2209-LA	QFN28		1
U5_M4	TMC2209-LA	QFN28		1
Y1	8M	Y		1
Y2	32.768K	FC-135		1
Z1	CG0603MLC-05E	R0603		1
Z2	CG0603MLC-05E	R0603		1
Z3	CG0603MLC-05E	R0603		1