

Designator	Comment	Footprint	Quantity
C1	100uF	RVT	1
C2	0.1uF	C0603	1
C3	0.1uF	C0603	1
C4	22uF	RVT4X5.5	1
C5	100uF	RVT	1
C6	0.1uF	C0603	1
C7	10uF	RVT4X6	1
C8	2.2uF	C0603	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	22pF	C0603	1
C15	0.1uF	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	22pF	C0603	1
C23	22pF	C0603	1
C24	0.1uF	C0603	1
C25	1uF	C0603	1
C27	0.1uF	C0603	1
C28	0.1uF	C0603	1
C29	0.1uF	C0603	1
C30	0.1uF	C0603	1
C31	10uF	RVT4X6	1
C32	10uF	RVT4X6	1
C33	0.1uF	C0603	1
C34	1uF	C0603	1
C35	1uF	C0603	1
C36	1uF	C0603	1
C37	1uF	C0603	1
C38	1uF	C0603	1
C39	1uF	C0603	1
C40	0.1uF	C0603	1
C41	0.1uF	C0603	1
C42	0.1uF	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
D8	LED	LED0603	1
D9	LED	LED0603	1
D10	LED	LED0603	1
EXP1	Header 5X2	DC14P	1
F1	30A	F1206	1
F2	15A	F1206	1
F3	RCL-1.5A	MF-MSMF050	1
F4	500mA	MF-MSMF050	1
FAN2	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	USB	USBB	1
J3	Header 9	XH-9A	1
J4	Header 2	129-5.08	1
J5	DG302-2P	DG302-5.0-2P	1
J6	Header 2	XH-2A	1
J7	X	XH-3A	1
J8	Y	XH-3A	1
J9	Z-	XH-3A	1
J10	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
Jm2_M4	XH-4A	XH-4A	1
L1	DO3316P 15uH-3A	DO3316	1
M1	ESP-12S	ESP-12S-A	1
MT_DET	Header 3	XH-3A	1
POWER	DG302-5.0	129-5.08	1
POWER0	DC-005	DC-005	1
Q1	HY3403	TO-252AA	1
Q2	HY1403	TO-252AA	1
Q3	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	100K	R0603	1
R7	100K	R0603	1
R8	10K	R0603	1
R9	10K	R0603	1
R10	100K	R0603	1
R11	4.7K	R0603	1
R12	4.7K	R0603	1
R13	10K	R0603	1
R16	1K	R0603	1
R17	1K	R0603	1
R18	22	R0603	1
R19	22	R0603	1
R20	10K	R0603	1
R21	10K	R0603	1
R22	10K	R0603	1
R23	10K	R0603	1
R25	10K	R0603	1
R26	1K	R0603	1
R27	10K	R0603	1
R28	10K	R0603	1
R29	10K	R0603	1
R33	10K	R0603	1
R34	10K	R0603	1
R35	10K	R0603	1
R36	10K	R0603	1
R37	10K	R0603	1
R38	10K	R0603	1
R39	10K	R0603	1
R40	10K	R0603	1
R41	4.7K	R0603	1

R42	4.7K	R0603	1
R43	1K	R0603	1
R44	1K	R0603	1
R45	1K	R0603	1
R46	1K	R0603	1
R47	1K	R0603	1
R48	1K	R0603	1
R49	10K	R0603	1
R50	10K	R0603	1
R51	1.8K	R0603	1
R52	1.8K	R0603	1
R53	1.8K	R0603	1
R54	100	R0603	1
R55	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	0	R0603	1
Rm6_M2	0	R0603	1
Rm6_M3	0	R0603	1
Rm6_M4	0	R0603	1
RPK1	100	RPACK4	1
RPK2	100	RPACK4	1
RPK3	100	RPACK4	1
RPK4	100	RPACK4	1
RPK5	10	RPACK4	1
RPK6	100K	RPACK4	1
Ry1	1M	R0603	1
Ry2	1M	R0603	1
SD1	microSD	microSD-2	1
TB	Header 2	XH-2A	1
TH	Header 2	XH-2A	1
U1	MP1584EN	SOIC8E	1
U2	LM1117-3.3V	SOT223-4N	1
U3	STM32F103RCT6	LQFP64	1
U4	AT24C16N-10SI-2.7	SO8	1
U5	CH340G	SO16	1
Um_M1	HR4988	QFN28	1

Um_M2	HR4988	QFN28	1
Um_M3	HR4988	QFN28	1
Um_M4	HR4988	QFN28	1
Y1	8M	Y	1
Y2	32.768K	FC-135	1
Y3	12M	Y	1
Z1	CG0603MLC-05E	R0603	1
Z2	CG0603MLC-05E	R0603	1
Z3	CG0603MLC-05E	R0603	1