

Designator	Comment	Footprint	Quantity
C1_M1	100uF	RVT	1
C1_M2	100uF	RVT	1
C1_M3	100uF	RVT	1
C1_M4	100uF	RVT	1
C1_M5	100uF	RVT	1
C2	10uF	C0805	1
C3	100uF	RVT	1
C4	0.1uF	C0603	1
C5	0.1uF	C0603	1
C6	220uF	RVT	1
C7	100uF	RVT	1
C8	0.1uF	C0603	1
C9	150pF	C0603	1
C10	0.1uF	C0603	1
C11	22pF	C0603	1
C12	10pF	C0603	1
C13	22pF	C0603	1
C14	10pF	C0603	1
C15	0.1uF	C0603	1
C16	0.1uF	C0603	1
C17	0.1uF	C0603	1
C18	0.1uF	C0603	1
C19	0.1uF	C0603	1
C20	0.1uF	C0603	1
C21	0.1uF	C0603	1
C22	0.1uF	C0603	1
C23	0.1uF	C0603	1
C24	0.1uF/NL	C0603	1
C27	0.1uF	C0603	1
C28	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	10uF	RVT4X6	1
C40	10uF	RVT4X6	1
C41	10uF	RVT4X6	1
C42	10uF	C0805	1
C43	0.1uF	C0603	1
D1	LED	LED0603	1
D2	LED	LED0603	1
D3	LED	LED0603	1
D4	LED	LED0603	1
D5	B340A-13-F	D-SMA	1

D6	LED	LED0603	1
D7	LED	LED0603	1
D8	SS12	D-SMA	1
D9	SMA-S1G-1A	D-SMA	1
D10	S1A-13-F	D-SMA	1
D11	LED	LED0603	1
D12	LED	LED0603	1
EXP1	Header 5X2	DC10P	1
EXP2	Header 5X2	DC10P	1
F1	30A	F1206	1
F2	15A	F1206	1
F3	RCL-1.5A	MF-MSMF050	1
F4	500mA	MF-MSMF050	1
Fid1	Fiducial	Fiducial-A	1
Fid2	Fiducial	Fiducial-A	1
Fid3	Fiducial	Fiducial-A	1
J2_M1	DIP16	DIP8825	1
J2_M2	DIP16	DIP8825	1
J2_M3	DIP16	DIP8825	1
J2_M4	DIP16	DIP8825	1
J2_M5	DIP16	DIP8825	1
J3	USB	USB	1
J4	XH-9A	XH-9A	1
J5	Header 2	XH-3A	1
J6	X	XH-3A	1
J7	Y	XH-3A	1
J8	Z-	XH-3A	1
J9	Z+	XH-3A	1
J10	Header 2	XH-2A	1
J11	Header 3X2	HDR2X3	1
J12	Header 2H	XH-2A	1
J13	DG302-4P 5.0	DG302-5.0-4P	1
J14	Header 2H	129-5.08	1
J15	Header 2	XH-2A	1
J16	Header 3	HDR1X3	1
J17	Header 3	HDR1X3	1
J18	XH-4A	XH-4A	1
J19	Header 3	HDR1X3	1
J20	Header 5X2	HDR2X5	1
J21	Header 2	HDR1X2	1
J22	Header 2	HDR1X2	1
J23	Header 2	HDR1X2	1
J24	Header 2	HDR1X2	1
J25	Header 2	HDR1X2	1
Jc1_M1	Header 4	HDR1X4	1
Jc1_M2	Header 4	HDR1X4	1
Jc1_M3	Header 4	HDR1X4	1
Jc1_M4	Header 4	HDR1X4	1
Jc1_M5	Header 4	HDR1X4	1
Jm3_M1	Header 4X2	HDR2X4	1
Jm3_M2	Header 4X2	HDR2X4	1

Jm3_M3	Header 4X2	HDR2X4	1
Jm3_M4	Header 4X2	HDR2X4	1
Jm3_M5	Header 4X2	HDR2X4	1
Jm5_M1	Header 3	HDR1X3	1
Jm5_M2	Header 3	HDR1X3	1
Jm5_M3	Header 3	HDR1X3	1
Jm5_M4	Header 3	HDR1X3	1
Jm5_M5	Header 3	HDR1X3	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
L1	DO3316P 15uH-3A	DO3316	1
LG1	BLM21	R0805	1
M1	ESP-12F	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
Q1	MOS管 HY1403	TO-252A	1
Q2	MOS管 HY1403	TO-252A	1
Q3	MOS管 HY1403	TO-252A	1
Q4	MOS管 HY3403	TO-252A	1
R1_M1	100K	R0603	1
R1_M2	100K	R0603	1
R1_M3	100K	R0603	1
R1_M4	100K	R0603	1
R1_M5	100K	R0603	1
R2_M1	10K	R0603	1
R2_M2	10K	R0603	1
R2_M3	10K	R0603	1
R2_M4	10K	R0603	1
R2_M5	10K	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	4.7K	R0603	1
R10	4.7K	R0603	1
R11	4.7K	R0603	1
R12	4.7K	R0603	1
R13	1K	R0603	1
R14	10K	R0603	1
R15	10K	R0603	1
R16	10K	R0603	1
R17	4.7K	R0603	1
R18	4.7K	R0603	1
R19	4.7K	R0603	1

R20	1.8K	R0603	1
R21	1.8K	R0603	1
R22	1K	R0603	1
R23	1K	R0603	1
R24	22	R0603	1
R25	22	R0603	1
R26	10K	R0603	1
R27	10K	R0603	1
R28	10K	R0603	1
R29	10K	R0603	1
R30	10K	R0603	1
R31	10K	R0603	1
R32	10K	R0603	1
R33	10K	R0603	1
R34	10K	R0603	1
R35	10K	R0603	1
R36	10K	R0603	1
R37	10K	R0603	1
R38	100	R0603	1
R39	4.7K	R0603	1
R40	4.7K	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	10K	R0603	1
R48	10K	R0603	1
R49	1K	R0603	1
R50	10K	R0603	1
R51	10K	R0603	1
R52	100Ω	R0603	1
R53	100Ω	R0603	1
R54	100Ω	R0603	1
R55	4.7K	R0603	1
R56	4.7K	R0603	1
R57	4.7K	R0603	1
R58	1.8K	R0603	1
R59	100K	R0603	1
R60	10	R0805	1
R61	1K	R0603	1
RPK0	100	RPACK4	1
RPK1_M1	100	RPACK4	1
RPK1_M2	100	RPACK4	1
RPK1_M3	100	RPACK4	1
RPK1_M4	100	RPACK4	1
RPK1_M5	100	RPACK4	1
RPK2	10	RPACK4	1
RPK3	1.8K	RPACK4	1
RPK4	100K	RPACK4	1

Ry1	1M	R0603	1
S1	SWITCH_2P	SMD-260G-3*6*5	1
SD	microSD	microSD-2	1
TB	Header 2	XH-2A	1
TC	Header 6	HDR1X6	1
TH1	Header 2	XH-2A	1
TH2	Header 2	XH-2A	1
U1	MP1584EN	SOIC8E	1
U2	STM32F103VET6	LQFP100	1
U3	CH340C	SOP-16	1
U4	AT24C16N-10SI-2.7	SO8	1
U5	W25Q64BVSSI	W25Q64	1
U6	LM1117-3.3V	SOT223-4N	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