

Designator	Comment	Footprint	Quantity
J23	Header 2	HDR1X2	1
J22	Header 2	HDR1X2	1
J21	Header 2	HDR1X2	1
J20	Header 2	HDR1X2	1
J19	Header 2	HDR1X2	1
J13	Header 5X2	HDR2X5	1
R35	100	R0603	1
R34	100	R0603	1
R33	100	R0603	1
C10	0.1uF	C0603	1
J16	USB	USB	1
Rx	100	R0603	1
Rt	100	R0603	1
J14	Header 2H	XH-2A	1
R28	1.8K	R0603	1
R23	100K	R0603	1
R22	100K	R0603	1
R21	24.9k	R0603	1
C11	220uF/16V	RVT	1
Y2	12M	Y	1
C31	0.1uF	C0603	1
C30	22pF	C0603	1
C20	0.1uF	C0603	1
C19	0.1uF	C0603	1
TH2	Header 2	XH-2A	1
TB	Header 2	XH-2A	1
Ry2	1M	R0603	1
Rx1	1K	R0603	1
Rt1	1K	R0603	1
RPK4	100K	RPACK4	1
RPK2	10	RPACK4	1
R29	1.8K	R0603	1
R27	4.7K	R0603	1
R26	4.7K	R0603	1
R25	4.7K	R0603	1
R20	40.2k	R0603	1
R19	210k	R0603	1
R18	100K	R0603	1
R2 M5	10K	R0603	1
R2 M4	10K	R0603	1
R2 M3	10K	R0603	1
R2 M2	10K	R0603	1
R2 M1	10K	R0603	1
L1	15uH/3A	L7*7*4	1
Jc1 M5	Header 4	HDR1X4	1
Jc1 M4	Header 4	HDR1X4	1
Jc1 M3	Header 4	HDR1X4	1
Jc1 M2	Header 4	HDR1X4	1
Jc1 M1	Header 4	HDR1X4	1
J12	Header 2	129-5.08	1

J11	Header 2H	129-5.08	1
J10	Header 4H	DG301-5.0	1
J1_M5	Header 4X2	HDR2X4	1
J1_M4	Header 4X2	HDR2X4	1
J1_M3	Header 4X2	HDR2X4	1
J1_M2	Header 4X2	HDR2X4	1
J1_M1	Header 4X2	HDR2X4	1
D11	LED	LED0603	1
D10	SS12	D-SMA	1
D9	B340A-13-F	D-SMA	1
C28	22pF	C0603	1
C27	0.1uF	C0603	1
C26	0.1uF	C0603	1
C22	0.1uF	C0603	1
C21	0.1uF	C0603	1
C18	22pF	C0603	1
C16	22pF	C0603	1
C1_M5	100uF	RVT	1
C1_M4	100uF	RVT	1
C1_M3	100uF	RVT	1
C1_M2	100uF	RVT	1
C1_M1	100uF	RVT	1
U1	MP1584	SOIC8E	1
RPK1_M5	100	RPACK4	1
RPK1_M4	100	RPACK4	1
RPK1_M3	100	RPACK4	1
RPK1_M2	100	RPACK4	1
RPK1_M1	100	RPACK4	1
R31	22	R0603	1
R30	22	R0603	1
R14	1K	R0603	1
R13	1K	R0603	1
R12	1K	R0603	1
R11	1K	R0603	1
R6	1K	R0603	1
R4	1K	R0603	1
LG1	BLM21	R0805	1
C7	0.1uF不焊	C0603	1
R5	4.7K	R0603	1
R3	4.7K	R0603	1
R10	4.7K	R0603	1
R9	4.7K	R0603	1
R8	4.7K	R0603	1
R7	4.7K	R0603	1
S1	TS42	TS42	1
Ry1	1M	R0603	1
TH1	Header 2	XH-2A	1
AUX-1	Header 4X2	DC8P	1
J25	Header 7X2	HDR2X7	1
J24	Header 3X2	HDR2X3	1
EXP2	Header 5X2	DC10P	1

EXP1	Header 5X2	DC10P	1
RPK3	1.8K	RPACK4	1
C2	0.1uF不焊	C0603	1
C5	0.1uF不焊	C0603	1
C6	0.1uF不焊	C0603	1
C17	22pF	C0603	1
C12	100uF	RVT	1
C13	0.1uF	C0603	1
C14	150pF	C0603	1
C15	不焊	C0603	1
C23	10uF	C0805	1
C24	10uF	C0805	1
C25	10uF	C0805	1
D5	S1G-13-F	D-SMA	1
D6	S1A-13-F	D-SMA	1
D7	LED	LED0603	1
D8	LED	LED0603	1
D1	LED	LED0603	1
D2	LED	LED0603	1
D3	LED	LED0603	1
D4	LED	LED0603	1
F1	30A	F1206	1
F2	15A	F1206	1
F3	1A	MF-MSMF050	1
J15	ICSP	HDR2X3	1
J8	Z+	XH-3A	1
J7	Z-	XH-3A	1
J6	Y+	XH-3A	1
J5	Y-	XH-3A	1
J4	X+	XH-3A	1
J3	X-	XH-3A	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
Q1	MOS管 VS3060AD	TO-252A	1
Q2	MOS管 VS3060AD	TO-252A	1
Q3	MOS管 VS3060AD	TO-252A	1
Q4	MOS管 RU30120L	TO-252A	1
R16	1.8K	R0603	1
R17	1.8K	R0603	1
R24	10K	R0603	1
U2	Atmel2560	TQFP100A	1
U3	CH340G	SOP-16	1
Y1	16M	Y	1
C3	0.1uF不焊	C0603	1
C4	0.1uF不焊	C0603	1
F4	500mA	MF-MSMF050	1
D12	LED	LED0603	1
C8	100uF	RVT	1

C9	0.1uF	C0603	1
C29	0.1uF	C0603	1
Z1	CG0603MLC-05E	R0603	1
Z2	CG0603MLC-05E	R0603	1
Z3	CG0603MLC-05E	R0603	1
R15	10K	R0603	1
J9	Header 2H	XH-2A	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
R32	10 Ω	R0603	1
Fid1	Fiducial	Fiducial-A	1
Fid2	Fiducial	Fiducial-A	1
Fid3	Fiducial	Fiducial-A	1
J17 M1	Header 2	HDR1X2	1
J17 M2	Header 2	HDR1X2	1
J17 M3	Header 2	HDR1X2	1
J17 M4	Header 2	HDR1X2	1
J17 M5	Header 2	HDR1X2	1
J18 M1	Header 4	HDR1X4	1
J18 M2	Header 4	HDR1X4	1
J18 M3	Header 4	HDR1X4	1
J18 M4	Header 4	HDR1X4	1
J18 M5	Header 4	HDR1X4	1
R36	1K	R0603	1
R37	1K	R0603	1
R38	1K	R0603	1
R39	1K	R0603	1
R40	1K	R0603	1
RPK5	100	RPACK4	1
C32	100nF	C0603	1
C33	100nF	C0603	1
U4	1117	SOT-223	1
U5	1117-3.3	SOT89	1
J26	Header 3	HDR1X3	1