

Designator	Comment	Footprint	Quantity
AUX-1	Header 4X2	HDR2X4	1
AUX-2	Header 5X2	HDR2X5	1
AUX-3	Header 4X2	HDR2X4	1
C0	100uF	RVT	1
C1	100uF	RVT	1
C2	0.1uF	C0603	1
C3	100uF	RVT	1
C4	100uF	RVT	1
C5	0.1uF	C0603	1
C6	22pF	C0603	1
C7	0.1uF	C0603	1
C8	0.1uF	C0603	1
C9	0.1uF	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	0.1uF	C0603	1
C16_M1	100uF	RVT	1
C16_M2	100uF	RVT	1
C16_M3	100uF	RVT	1
C16_M4	100uF	RVT	1
C16_M5	100uF	RVT	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	10uF	RVT4X6	1
C24	10uF	RVT4X6	1
C25	10uF	RVT4X6	1
C26	0.1uF	C0603	1
C27	0.1uF	C0603	1
C28	0.1uF	C0603	1
C29	0.1uF	C0603	1
C31	220pF	C0603	1
C32	22nF	C0603	1
D1	S1A-13-F	D-SMA	1
D2	S1G-13-F	D-SMA	1
D3	LED	LED0603	1
D4	LED	LED0603	1
D5	LED	LED0603	1
D6	LED	LED0603	1
D8	LED	LED0603	1
D9	LED	LED0603	1
D10	LED	LED0603	1
D11	LED	LED0603	1
D12	STPS2L40U	STPS2L40U	1

EXP1	Header 5X2	DC10P	1
EXP2	Header 5X2	DC10P	1
F1	25A	F1206	1
F2	12A	F1206	1
F3	MF-MSMF110	MF-MSMF050	1
F4	500mA	MF-MSMF050	1
F5	MF-MSMF110	MF-MSMF050	1
Fid1	Fiducial	Fiducial-A	1
Fid2	Fiducial	Fiducial-A	1
Fid3	Fiducial	Fiducial-A	1
J1	Header 4	DG301-5.0	1
J2	ICSP	HDR2X3	1
J3	USB	USBB	1
J4	USB_MSD	HDR2X5	1
J5	Header 3X2	HDR2X3	1
J6	Header 4H	DG301-5.0	1
J7	Header 2H	129-5.08	1
J8	Z+	XH-3A	1
J9	Z-	XH-3A	1
J10	Y+	XH-3A	1
J11	Y-	XH-3A	1
J12	X+	XH-3A	1
J13	X-	XH-3A	1
J14	Header 2	XH-2A	1
J15	WIFI	XH-4A	1
J16	Header 2	XH-2A	1
J17	Header 3X2	HDR2X3	1
J18	Header 4	HDR1X4	1
J19	Header 2H	DG302-5.0	1
J21	Header 2	XH-2A	1
J26_M1	Header 3X2	HDR2X3	1
J26_M2	Header 3X2	HDR2X3	1
J26_M3	Header 3X2	HDR2X3	1
J26_M4	Header 3X2	HDR2X3	1
J26_M5	Header 3X2	HDR2X3	1
J27_M1	DIP16	DIP8825	1
J27_M2	DIP16	DIP8825	1
J27_M3	DIP16	DIP8825	1
J27_M4	DIP16	DIP8825	1
J27_M5	DIP16	DIP8825	1
J28	I2C	XH-4A	1
Jc_M1	Header 4	HDR1X4	1
Jc_M2	Header 4	HDR1X4	1
Jc_M3	Header 4	HDR1X4	1
Jc_M4	Header 4	HDR1X4	1
Jc_M5	Header 4	HDR1X4	1
JL1	JL	JP	1
JL2	JL	JP	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
JP1	JP	JP	1
JP2	JP	JP	1
JP3	JP	JP	1
JP4	JP	JP	1
L0	DO3316P-223_L_	DO3316P	1
L2	DO3316P-153_L_	DO3316P	1
LG1	FBMA-11-160808-601A20T	L0603	1
LG2	BLM21	R0805	1
LV1	FBMA-11-160808-601A20T	L0603	1
LV2	PDR-3015--6R8MT	PDR-3015	1
Q1	FDN340P	SOT-23	1
Q3	IRLR7843PBF	TO-252AA	1
Q4	IRLR7843PBF	TO-252AA	1
Q5	IRLR7843PBF	TO-252AA	1
Q6	IRLS3034PBF	TO-263AB	1
R1	1K	R0603	1
R2	1K	R0603	1
R3	10K	R0603	1
R4	100K	R0603	1
R5	1K	R0603	1
R6	1K	R0603	1
R7	1K	R0603	1
R8	1K	R0603	1
R9_M1	100K	R0603	1
R9_M2	100K	R0603	1
R9_M3	100K	R0603	1
R9_M4	100K	R0603	1
R9_M5	100K	R0603	1
R10_M1	10K	R0603	1
R10_M2	10K	R0603	1
R10_M3	10K	R0603	1
R10_M4	10K	R0603	1
R10_M5	10K	R0603	1
R11	100K	R0603	1
R12	4.7K	R0603	1
R13	4.7K	R0603	1
R14	100K	R0603	1
R15	100K	R0603	1
R16	4.7K	R0603	1
R17	4.7K	R0603	1
R18	4.7K	R0603	1
R19	4.7K	R0603	1
R20	4.7K	R0603	1
R21	10	R0603	1
R22	1.8K	R0603	1
R23	100K	R0603	1
R24	4.7K	R0603	1
R25	4.7K	R0603	1
R26	4.7K	R0603	1

R27	4.7K	R0603	1
R28	100	R0603	1
R29	11K	R0603	1
R30	3.6K	R0603	1
R31	4.7K	R0603	1
R32	100	R0603	1
R33	100	R0603	1
R34	100	R0603	1
R35	100	R0603	1
R36	100	R0603	1
R37	22	R0603	1
R38	22	R0603	1
R39	10K	R0603	1
R40	10Ω	R0603	1
R41	100	R0603	1
R42	100	R0603	1
R43	100	R0603	1
RPK1	10	RPACK4	1
RPK2	1.8K	RPACK4	1
RPK3	100K	RPACK4	1
RPK4_M1	100	RPACK4	1
RPK4_M2	100	RPACK4	1
RPK4_M3	100	RPACK4	1
RPK4_M4	100	RPACK4	1
RPK4_M5	100	RPACK4	1
RPK5	100	RPACK4	1
Ry	1M	R0603	1
S1	TS42	TS42	1
Servos1	Header 3X2	HDR2X3	1
Servos2	Header 3X2	HDR2X3	1
U1	L5970AD	SO8	1
U2	ATMEGA2560	TQFP100A	1
U3	FT232R	SSOP28	1
U4	LM358PSR	SO8	1
Y1	16MHz	Y1	1
Z1	CG0603MLC-05E	R0603	1
Z2	CG0603MLC-05E	R0603	1
Z3	CG0603MLC-05E	R0603	1