



Comment	Description	Designator	Footprint	LibRef	Quantity
100uF	Polarized Capacitor (Radial)	C1, C2, C3, C4, C5, C6, C18	SLF7045	Cap Pol1	7
104	Capacitor	C7, C8, C9, C10, C13	C0603	Cap	5
18pF	Capacitor	C11, C12, C22, C23	C0603	Cap	4
10uF	Polarized Capacitor	C14, C16	1206	Cap Pol1	2
100pF	(Radial) Capacitor	C15	C0603	Сар	1
·	Polarized Capacitor				<u> </u>
680uF	(Radial)	C19	C680uF	Cap Pol1	1
220uF	Polarized Capacitor (Radial)	C20	C220uF	Cap Pol1	1
100nF	Capacitor	C21	C0603	Cap	1
10uF	Capacitor	C24	C0603	Cap	1
LED0	Typical INFRARED GaAs LED	D2, D5	D-0805	LED0	2
Diode 1N5824	Schottky Rectifier	D3	IN5824	Diode 11DQ03	1
Diode	Default Diode	D4	D-10	Diode	1
Fuse 1	Fuse	F1	D-4148	Fuse 1	1
33uH	Inductor	L1	Inductor	Inductor	1
Header_2_3		P1, P2, P3, P4, P5, P6, P16	HDR2X3	Header_2_3	7
ICSP		P7	HDR2X3	Header_2_3	1
MHDR1X2	Header, 2-Pin	P8	12V	MHDR1X2	1
USB		P9	micro_usb_2	Header_1_5	1
PM1	Header, 4-Pin	P10	SIP4-2.0	Header 4	1
PM2	Header, 4-Pin	P11	SIP4-2.0	Header 4	1
PM3	Header, 4-Pin	P12	SIP4-2.0	Header 4	1
PM4	Header, 4-Pin	P13	SIP4-2.0	Header 4	1
PM5	Header, 4-Pin	P14	SIP4-2.0	Header 4	1
PM6	Header, 4-Pin	P15	SIP4-2.0	Header 4	1
PM7	Header, 4-Pin	P17	SIP4-2.0	Header 4	1
PS1		P18	HD-1.27-3	Header_1_3	1
PS2 PS3		P19 P20	HD-1.27-3	Header_1_3	1
PS4		P21	HD-1.27-3	Header_1_3	1
Header_2_3		P22, P26	HD-1.27-3 SIP3x2-2.0-horizontal	Header_1_3 Header_2_3	2
Header_1_3		P23	SIP3-2.0-horizontal	Header_1_3	1
PS5		P24	HD-1.27-3	Header_1_3	1
PS6		P25	HD-1.27-3	Header_1_3	1
Header_1_2		P27	HD-1.27-2	Header_1_2	1
10K	Resistor	R1, R3, R5, R7, R9, R11, R14, R15, R25, R26, R27, R33	R0603	Res1	12
100K	Resistor	R2, R4, R6, R8, R10, R12, R32	R0603	Res1	7
1M	Resistor	R13	R0603	Res1	1
0Ω	Resistor	R17, R18, R19, R20, R28, R29, R30, R31	R0603	Res1	8
4.7K	Resistor	R23, R24	R0603	Res1	2
SW-DPDT		S3	SW-DPDT	SW-DPDT	1
POLOLU_A4988		U1, U2, U3, U4, U5, U6, U11	POLOLU_A4988	POLOLU_A4988	7
ATMEGA2560		U7	SOP100A	ATMEGA2560	1
CH340G		U8	SO-16	CH340G	1
BLUE_TOOTH		U9	SIP6-2.54	BLUE_TOOTH	1
ASM1117-5V		U10	LM1117	ASM1117	1
LM2596		U12	TO263	LM2596	1
OSC-12M		X2	OSC-5032	OSC-12M	1
16M		Y1	OSC-16M	OSC-16M	1