

WizArduino MEGA WIFI Ver1.0 Partlist

Item	Q.ty	Reference	Part	Tech. Characteristics	Package
1	1	ON	Red LED	Chip-LED, Red	CASE 0805
2	3	L, TX, RX	Green LED	Chip-LED, Green	CASE 0805
3	2	WIFI, MODE	Yellow LED	Chip-LED, Yellow	CASE 0805
4	2	C21, C22	22uF/16V	Tantal CAP, B Size, 22uF/16V, +/-20%	EIA/IECQ 3528
5	10	C1, C2, C7, C9, C10, C11, C15, C18, C20, C23	0.1uF/50V	50V-10% Ceramic	CASE 0603
6	2	C14, C19	10nF/50V	50V-10% Ceramic	CASE 0603
7	4	C5, C6, C16, C17	22pF/50V	50V-10% Ceramic	CASE 0603
8	1	C13	1uF/16V	16V-10% Ceramic	CASE 0603
9	4	C3, C4, C8, C12	10uF/16V	Tantal CAP, A Size, 10uF/16V, +/-20%	EIA/IECQ 3216
10	1	D1	M7	1.0A 1000V Rectifier Diode	SMA
11	2	D2, D3	CD1206-S0157	Switching Diode	CASE 1206
12	1	F1	FSMD050R	500mA Fuse	CASE 4532
13	2	IC4, IC6	SN74LVC1G125DCKR	Single Bus Buffer Gate With 3-State Output	SC70-5
14	1	IC3	ATMEGA2560-16AU	Microcontroller	TQFP100
15	1	IC5	ATMEGA16U2-AU	Microcontroller	TQFP32
16	1	IC1	LM1117S-5.0V(IL1117C-5.0)	5.0V/1A Voltage Regulator	SOT-223
17	1	IC2	LM1117S-3.3V(IL1117C-3.3)	3.3V/1A Voltage Regulator	SOT-223
18	1	JK1	POWER-SUPPLY	DC-JACK 2PHI	POWERSUPPLY_DC-21MM
19	2	JP2, JP3	ICSP	2.54mm 2x3 Pin Header DIP, Male	DIP
20	1	JP1	MCU-WIFI Jumper Pin	2.54mm 2x2 Pin Header DIP, Male	DIP
21	1	JP4	ATMEGA16U2 External Pin	2.54mm 2x2 Pin Header DIP, Male	Not Mount
22	3	L1, L2, L3	HCB2012KF-300T30	Chip Ferrite Bead	CASE 0805
23	1	PB1	YST1157(3.1)	Tact Switch, 6.2 x 6.5 SMD	TS42
24	2	Q1, Q2	16MHz	X-tal 16MHz, 3.2 x 2.5 SMD, CL=22pF	SMD3225, 4-PAD
25	3	R3, R5, R6	10K	1/10W-5% SMD	CASE 0603
26	1	R2	330R	1/10W-5% SMD	CASE 0603
27	2	R1, R4	1M	1/10W-5% SMD	CASE 0603
28	3	R7, R8, R10	100k	1/10W-5% SMD	CASE 0603
29	1	R9	52k3	1/10W-5% SMD	Not Mount
30	1	RN2	10k	1/10W-5% CHIP-ARRAY SMD	SMD3216
31	2	RN3, RN4	1k	1/10W-5% CHIP-ARRAY SMD	SMD3217
32	1	RN1	470R	1/10W-5% CHIP-ARRAY SMD	SMD3216
33	1	TR2	PMV48XP	20 V, 3.5 A P-channel Trench MOSFET	SOT-23
34	1	TR1	2N7002	N channel FET - Field Effect Trasistor	SOT-23
35	1	TVS1	SMBJ12CA	Transient Voltage Suppressor	SMB
36	1	USB1	47346-0001	MICRO USB CONNECTOR	USB-MICRO-B(SMD)
37	2	Z1, Z2	AVL5M 03 300	Chip varistor(ESD Protector), Vdc : 5.5V, Peak current : 30A	Not Mount
38	2	J1, J3	2.54mm 1x8 Pin Header Socket DIP	2.54mm 1x8 Pin Header Socket DIP, Female	DIP
39	1	J2	2.54mm 1x6 Pin Header Socket DIP	2.54mm 1x6 Pin Header Socket DIP, Female	DIP
40	1	J4	2.54mm 1x10 Pin Header Socket DIP	2.54mm 1x10 Pin Header Socket DIP, Female	DIP
41	1	MODULE1	WIZFI310CON	WIZFI310CON	
42	2		JUMPER CAP	2.54mm Mini Header Jumper Cap Short Circuit Connectors	
43	1		ANTENA(W51-BO-07)	I-PEX MHF	
44	1		PCB	2-Layer, 68.58mm x 53.848mm, PCB Color : sky blue, Silk Color : White	