Comment	Description	Designator	Footprint	LibRef	Quantity
Buzzer	Audio Indicators & Alerts Round 12.2mmx6.5mm 4kHz Vin=3V	B1	PS1240P02BT	PS1240P02BT	1
104/50V	100nF ±10% 50V X7R 0603 Multilayer Ceramic Capacitors MLCC - SMD/SMT RoHS	C1, C2, C3, C6, C8, C22, C24, C25, C26, C27, C28, C29	C0603-B	CL10B104KB8NNNC	12
106/10V	10uF ±10% 10V X5R 0603 Multilayer Ceramic Capacitors MLCC - SMD/SMT RoHS	C4, C5, C7, C31	C0603-B	CL10A106KP8NNNC	4
4.7uF/400V	CAPP 4.7uF 400V 20%	C9, C10	CAPPR3.5-8x11.5	UVC2G4R7MPD	2
1000uF 10VDC	Aluminum Electrolytic Capacitors - Leaded 10VDC 1000uF 8x15mm LS3.5mm	C11	CAPPR3.5-8x15A	EEU-FR1A102L	1
2200pF/500V	Ceramic Disc Capacitors 500volts 2200pF 10% .25LS X7R	C12	562R5TSD22	562R5TSD22	1
220pF/1kV	CAPP Ceramic Disc 220pF 1000V 10% 5x6.5mm	C13	F221K25Y5RN6UK5R	F221K25Y5RN6UK5R	1
106/10V	CAP 0805 10uF 10V 10%	C14, C15	C0805-C	GRM21BR71A106KA73L	2
10uF/50V	CAPP 10uF 50V 20%	C16	CAPPR2-5x11	EEU-EB1H100S	1
100/50V	CAP 0603 10pF 5% 50V	C17	C0603-C	GRM1885C1H100JA01D	1
6.8nF	50V 68nF X7R ±10% 0603 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	C18, C20	C0603-B	CL10B683KB8NNNC	2
103/50V	10nF ±10% 50V X7R 0603 Multilayer Ceramic Capacitors MLCC - SMD/SMT RoHS	C19	C0603-B	CL10B103KB8NNNC	1
10uF/16V	Polarized Capacitor (Axial)	C21, C30	CAP_3216	CAP-ALU-SMD	2
22nF	2.2nF ±10% 50V X7R 0603 Multilayer Ceramic Capacitors MLCC - SMD/SMT RoHS	C23	C0603-B	CL10B222KB8NNNC	1
475 / 6.3V	Multilayer Ceramic Capacitors MLCC - SMD/SMT 4.7uF+/- 20% 6.3V X5R 1608	C32	C0603-B	CL10A475MQ8NNNC	1
18pF	10uF ±10% 10V X5R 0603 Multilayer Ceramic Capacitors MLCC - SMD/SMT RoHS	C33, C34	C0603-B	CL10A106KP8NNNC	2
POWER	CON H60200801000G 4P Male	CN1	H60200801000G	H60200801000G	1
HR911105A	CON RJ45 with Magnetics & LED	CN2	HR911105A	HR911105A	1
CD4148WP	DIO D1206 150mA 75V Switching Chip Diode	D1	D1206-C	CD4148WP	1
STPS2150A	DIODE SMA 2.0A 150V 2.95x4.6x2.03mm	D2	SMA	STPS2150A	1
1A/1000V	DIODE DO-214AB 1000V 1A	D3, D4	DO-214BA	GF1M-E3/67A	2
HD06-T	DB SMD 0.8A 600V	DB1	HDOX	HD06-T	1
1A-300V	FUSE 36911000000 1A 300V 4x8mm	F1	F36911000000	36911000000	1
120R	2A 1 200mO 300O 100MHz 0805 Ferrite Beads ROHS	FB1	FB0805-B	CBW201209U301T	1
LM1117	3v3	IC1	SOT223-4N	LM1117	1
TEA1721AT	IC AC/DC Converter SO-7 5.0x6.2x1.75mm	IC2	SO-7	TEA1721AT/N1,118	1
USB-5		J1	USB-M1	USB-5	1
1000uH/120mA	IND 1000uH 10% 0.12A	L1	RLB0812	RLB0812-102KL	1
LED	LED Single colour Green and Red	LED1	LED-0805-Red	LED	1
RGB 4 Pin WS2812B	Intelligent control LED integrated light source	LED2, LED3, LED4	WS2812B	WS2812B	3
MMTB1815	Transistor NPN SOT23 MMTB1815 Pitch_0.90 mm 2.92x2.00x1.11 mm	Q1, Q2	SOT23-321-C	MMTB1815	2
MMBT2222ALT1G	Transistor NPN SOT23 MMBT2222A Pitch_0.90 mm 2.92x2.00x1.11mm	Q3	SOT23-321-B	MMBT2222ALT1G	1
10K/1%	RES 0603 10K 1% 100mW	R1, R2, R3, R6, R7	R0603-B	RC0603FR-0710KL	5
1K/1%	RES 0603 1K 1% 100mW	R4, R5, R18, R19, R21	R0603-B	RC0603FR-071KL	5
1K/5%	RES 0603 1K 5% 100mW	R8	R0603-B	RC0603JR-071KL	1
4.7K/5%	RES 0603 4K7 5% 100mW	R9	R0603-B	RC0603JR-074K7L	1
471/5%	RES 1206 470R 5% 250mW	R10	R1206-C	RC1206FR-07470RL	1
104/5%	RES 1206 100K 5% 250mW	R11	R1206-C	RC1206JR-07100KL	1
3.3K/5%	RES 0603 3.3K 5% 100mW	R12	R0603-B	RC0603JR-073K3L	1
3R3/1%	RES 1206 3R3 1% 250mW	R13, R14	R1206-C	RC1206FR-073R3L	2
10R/5%	RES 0603 10R 5% 100mW	R15	R0603-C	RC0603JR-0710RL	1
15K/1%	RES 0603 15k 1% 100mW	R16	R0603-C	RC0603FR-0715KL	1
3k9/1%	RES 0603 3K9 1% 100mW	R17	R0603-C	RC0603FR-073K9L	1
49.9R	RES 0603 10K 1% 100mW	R20, R22, R25, R28	R0603-B	RC0603FR-0710KL	4
330	RES 0603 33R 5% 100mW	R23, R24, R26, R27	R0603-B	RC0603JR-0733RL	4
10R/5%	RES 0603 10R 5% 100mW	R29	R0603-B	RC0603JR-0710RL	1
12K4	RES 0603 12.4K 1% 100mW	R30	R0603-B	RC0603FR-0712K4L	1
330R/5%	RES 0603 330R 5% 100mW	R31, R32	R0603-B	RC0603JR-07330RL	2
1M	RES 0603 2M 5% 100mW	R33	R0603-B	RC0603JR-072ML	1
0R	RES 0603 0R 5% 100mW	R34	R0603-B	RC0603JR-070RL	1
SW	Switch button 2 pin	SW1, SW2	SW2 - 3x4x2.5	SW2	2
Switch NO		SW3, SW4, SW5	SW0.5 NO	PCB Switch NO	3
HTK-MUC51	Transformer 5V/1A Power	TRANS1	HTK-MUC51	HTK-MUC51	1
CH340C	USB to serial chip CH340	U1	SO016	CH340C	1
ESP_WROOM_32		U2	ESP32_WROOM_32	ESP32_WROOM_32	1
W5500	Hardwired TCP/IP embedded Ethernet controller that provides easier Internet connection to embedded systems	U3	LQFP 48	W5500	1
W25Q128	3V 128M-BIT SERIAL FLASH MEMORY WITH DUAL/QUAD SP	U4	SOIC-8	W25Q128	1
3.5kA	Varistors 300V 10mm Epoxy UltraMOV	V1	V10E300P-H	V10E300P	1
25Mhz	CRYSTAL 12.0000MHZ 18PF SMD	XT1	XTAL-RU49/4	XT2_1	1