Reference	Value	Datasheet	Footprint	Qty	Part Number
BZ501	Buzzer	~	Buzzer_Beeper:Buzzer_12x9.5RM7.6	1	C7428406
C201,C206,C207,C208,C304	22uF	~	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	5	C45783
C202,C212,C305,C307,C308	0.1uF	~	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	5	C49678
C203,C204,C210,C301,C302,C303,C402,C403,C406,C407,C503,C504,C505,C506	0.1uF	~	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder	14	C14663
C205	33pF	~	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder	1	C91368
C209	470uF	~	Capacitor_SMD:CP_Elec_8x10	1	C4747956
C211,C213,C214,C306,C501,C502	4.7uF	~	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	6	C1779
C401,C405	220uF	~	Capacitor_SMD:CP_Elec_8x10	2	C4747976
C404,C408	22nF	~	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	2	C51574
D201	BZT52C12T	https://pt.mouser.com/datash	Diode_SMD:D_SOD-523	1	C507911
D202,D203,D205	Green	~	LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder	3	C965815
D204	SS1P3L	https://www.vishay.com/docs	Diode_SMD:D_SMP_DO-220AA	1	C2875475
D301	Red	~	LED_SMD:LED_1206_3216Metric_Pad1.42x1.75mm_HandSolder	1	C499461
D501,D502	SS14	https://www.vishay.com/docs	Diode_SMD:D_SMA	2	C2480
F201	10A	https://pt.mouser.com/datash	Fuse:Fuseholder_Clip-5x20mm_Littelfuse_519_Inline_P20.60x5.00mm_D	1	C2760101
F201-1			-		C5299837
F201-2			-		C3166596
F202	5A	https://pt.mouser.com/datash	Fuse:Fuse_1812_4532Metric_Pad1.30x3.40mm_HandSolder	1	C127824
F203	3A	https://pt.mouser.com/datash	Fuse:Fuse_1206_3216Metric_Pad1.42x1.75mm_HandSolder	1	C118413
F301	500mA	~	Fuse:Fuse_1206_3216Metric_Pad1.42x1.75mm_HandSolder	1	C163512
J201	XT60PW-M	https://www.lcsc.com/datashe	Connector_AMASS:AMASS_XT60PW-M_1x02_P7.20mm_Horizontal	1	C98732
J202	WJ2EDGR-5.08-2P	https://www.lcsc.com/datashe	Connector_Phoenix_MSTB:PhoenixContact_MSTBA_2,5_2-G-5,08_1x02	1	C8383
J202-1	WJ2EDGK-5.08-2P				C71370
J203	2.54mm 2x3 (M)		Connector_PinHeader_2.54mm:PinHeader_2x03_P2.54mm_Vertical		C65114
J502	JST-S2B-PH-K-S(LF)(SN)	~	Connector_JST:JST_PH_S2B-PH-K_1x02_P2.00mm_Horizontal	1	C173752
J502-1	JST-PHR-2		-		C3195190
J205	WJ2EDGR-5.08-4P	https://www.lcsc.com/datashe	Connector_Phoenix_MSTB:PhoenixContact_MSTBA_2,5_4-G-5,08_1x04	1	C8443
J205-1	WJ2EDGK-5.08-4P				C71372
J207	USB_C_Receptacle_PowerOnly_6P	https://www.usb.org/sites/def	Connector_USB:USB_C_Receptacle_GCT_USB4085	1	C7095263
J301,J302	2.54mm (F)	~	Connector_PinHeader_2.54mm:PinHeader_1x10_P2.54mm_Vertical	2	NA
J303	USB_C_Receptacle_USB2.0_16P	https://www.usb.org/sites/def	Connector_USB:USB_C_Receptacle_GCT_USB4085	1	C7095263
J401,J402	JST-S6B-PH-K-S(LF)(SN)	~	Connector_JST:JST_PH_S6B-PH-K_1x06_P2.00mm_Horizontal	2	C157920
J501	JST-S3B-PH-K-S(LF)(SN)	~	Connector_JST:JST_PH_S3B-PH-K_1x03_P2.00mm_Horizontal	1	C157929
J501-1	JST-PHR-3		-		C265393
J601,J602,J603	2.54mm (F)	~	Connector_PinHeader_2.54mm:PinHeader_1x04_P2.54mm_Vertical	3	NA
L201	4.7uH	https://pt.mouser.com/datash	Inductor_SMD:L_Bourns_SRP7028A_7.3x6.6mm	1	C840529
Q201	SQ4425EY	https://ngspice.sourceforge.io	Package_SO:SO-8_3.9x4.9mm_P1.27mm	1	C6495636
Q301	UMH3N	http://rohmfs.rohm.com/en/pr	Package_TO_SOT_SMD:SOT-363_SC-70-6	1	C123008
Q501,Q504	AO3400A	http://www.aosmd.com/pdfs/d	Package_TO_SOT_SMD:SOT-23	2	C700953
Q502,Q503	BSS138	https://www.onsemi.com/pub/	Package_TO_SOT_SMD:SOT-23	2	C7420339
R201,R209	100k	~	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	2	C149504
R202	5.49k	~	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	1	C17726
R203	40.2k	~	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	1	C17678
R204,R207,R403,R407,R501,R505	10k	~	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	6	C17414
R205,R206,R302,R310	1k	~	Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder	4	C2907002
R208	3.3k	~	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	1	C26010
R210,R211,R301,R503,R504,R506,R508,R509,R510	10k	~	Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder	9	C98220
R212,R511	470	~	Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder	2	C2907041
R305,R306	5k1	~	Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder	2	C23186
R307,R308,R309	47k	~	Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder	3	C2907042
R401	62k	~	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	1	C17783
R402	20k	~	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	1	C2907240
R404,R408	1.2k	~	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	2	C17379
R405	16k	~	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	1	C17490
R406	50k	~	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	1	C2828840
R502,R507	150	~	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	2	C17471
SW201	SW_SPDT	~	Button_Switch_THT:SW_Slide_SPDT_Straight_CK_OS102011MS2Q	1	C2800116
SW301,SW302	SW_Push	~	Button_Switch_SMD:SW_SPST_TL3342	2	C2886894
SW501	SW_Push	~	Button_Switch_THT:SW_PUSH-12mm	1	C455206
U201	MP2225	https://www.monolithicpower.	Package_TO_SOT_SMD:SOT-23-8	1	946-MP2225GJ-Z
U202	AP2112K-3.3	https://www.diodes.com/asse	Package_TO_SOT_SMD:SOT-23-5	1	C51118
U301	ESP32-WROOM-32E	https://www.espressif.com/sit	RF_Module:ESP32-WROOM-32D	1	356-ESP32WRM
U302	USBLC6-2P6	https://www.st.com/resource/	Package_TO_SOT_SMD:SOT-666	1	C2827693
U303	CP2102N-Axx-xQFN24	https://www.silabs.com/docun	Package_DFN_QFN:QFN-24-1EP_4x4mm_P0.5mm_EP2.6x2.6mm	1	C969151
U401,U402	DRV8874	https://www.ti.com/lit/ds/symli	Package_SO:HTSSOP-16-1EP_4.4x5mm_P0.65mm_EP3.4x5mm_Mask	2	C1855818
U501	MIC5225	https://pt.mouser.com/datash	Package_TO_SOT_SMD:SOT-23-5_HandSoldering	1	C510894
U502	ICM-20948	http://www.invensense.com/w	Sensor_Motion:InvenSense_QFN-24_3x3mm_P0.4mm	1	C726001
				Total:	**122**