

Line#	Name W3008	Description Antenna	Designator AE1	Quantity 1	Footprint ANTC3216X115N	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	10pF		C1, C2	,	CAPC1608X90X35L	Murata	GRM1885C1H100JA01D	Not Recommended for New				
			, oz	 	L10T15	arutu		Design				
	100nF	0201, 0.10uF, X5R, 15%, 10%, 6.3V	C3, C4, C5, C6, C15	5	FP-GRM033-0_03- MFG	Murata	GRIM033R60J104KE19D	Volume Production				
	10u	Chip Multilayer Ceramic Capacitors for General Purpose, 0603, 10uF, X5R, 15%, 20%, 6.3V	C7, C9, C16	3	FP-GRM188-0_1- e0_2_0_55-IPC_A	Murata	GRM188R60J106ME47D	Volume Production				
	22uf/0805	CAP CER 22UF 6.3V X5R 0805	C10, C11	2	FP- C0805C226M9PAC TU-MFG	KEMET	C0805C226M9PACTU	Volume Production				
	2u2/0603/15%	Chip Multilayer Ceramic Capacitors for General Purpose, 0603, 2.2uF, X7R, 15%, 10%, 10V	C12, C13	2	FP-GRM188-0_1- e0_2_0_5-MFG	Murata	GRM188R71A225KE15D	Volume Production				
	3.3pf/0402	Multi-Layer Ceramic Capacitor 3.3pF COG ±0.25pF 0402 Paper T/R	C18, C19	2	FP-GJM155-0_05- IPC_B							
	60A/2A	DIODE SCHOTTKY 60V 2A CFP3	D2	1	FP-SOD123W- MFG	Nexperia	PMEG6020AELRX	Volume Production				
	16V Resetable Fuse	Fuse	F1	1	FUSC4632X160N							
	120R	Chip Ferrite Bead, 0603, 120Ω @ 100MHz, 0.05Ω, 25%, 2A NOR Flash Serial	FB1	1	FP-BLM18-0_15- t0_8-IPC_A	Murata	BLM18PG121SN1D	Volume Production				
	W25Q16JVUXIQ	(SPI, Dual SPI, Quad SPI) 3V/3.3V 16M-bit 2M x 8 6ns 8-Pin USON EP T/R	IC1	1	SON50P300X200X 60-9N							
	TYPE-C-31-M-12	USB Connectors 24 Receptacle 1 8.94*7.3mm RoHS	IC2	1	HRO_TYPE-C-31- M-12							
	USBLC6-2SC6	Integrated Circuit	IC3	1	SOT95P280X145- 6N				Mouser	511-USBLC6-2SC6		
	AMS1117-3.3	Integrated Circuit	IC4	1	SOT229P700X180-							
	2.2nH	Wire Wound RF Inductor 2.2nH ±0.2nH 3200mA 0.018Ω 0603 (1608)	L2	1	4N FP-LQW18AN_80- MFG							
	GREEN	AUDIO PIEZO	LED1	1	WL- SMCW_0603_1500 60xx75000	Wurth Electronics	150060VS75000	Volume Production				
	PS1720P02	TRANSDUCER 30V TH		1	FP-PS1720P02- MFG	TDK	PS1720P02	Volume Production				
	691322110002		P1, P2, P3, P4, P5, P6, P7	7	691322110002	Wurth Electronics	691322110002	Volume Production				
	691305140004 KSC1815YTA	Transistor	P8 Q1	1	691305140004 BC33740TA	Wurth Electronics	691305140004	Volume Production				
	HCPL-181-00CE	OPTOISO 3.75KV TRANS 4MINIFLAT	Q2, Q3	2	FP-SO-4-MFG	Broadcom Avago	HCPL-181-00CE	Volume Production				
		RES SMD 5.1K OHM 1% 1/10W 0603	R1, R4, R5	3	FP-RT0603-MFG							
L	220R/50V/5%		R2	1	RESC1005X40X25 NL05T10	Yageo	RC0402JR-07220RL	Volume Production				
	1k, 1k/1%/0402	Chip Resistor, 1 KOhm, +/- 1%, 100 mW, -55 to 155 degC, 0402 (1005 Metric), RoHS, Tape and Reel	R6, R8	2	RESC1005X40X25 NL05T05	Bourns	CR0402-FX-1001GLF	Volume Production				
	165R/75V/1%		R7, R9	2	RESC1608X55X30 NL15T15	Panasonic	ERJ-3EKF1650V	Volume Production				
	220R/1216		R11, R12	١ .	RESC3216X60X45							
-				 	ML10T20 RESC0603X26X15L	L .	MCR006YZPE4700					
	B3F-1000	70 degC, 4-Pin	R13, R14	1	L03T05 OMRON-B3F-1000 4_V	Rohm	MCR006YZPF4700 B3F-1000	Obsolete Volume Production				
	ESP32C3	THD, RoHS, Bulk WiFi Modules (802.11) (Engineering Samples Only) SMD IC ESP32-C3,	υı	1	QFN32_5X5MM							
	1655	Intelligent Control LED Integrated Light Source, 3.5 to 5.3 V, -25 to 80 degC, 4-Pin SMD, RoHS, Tape and Reel	U2	1	ADA-RGB-1655_V	Adafruit Industries	1655					
	40.0008.017	Crystal 40MHz ±10ppm 10pF SMD-4 3.2mm x 2.5mm	Y1	1	FP-ABM8-MFG	Abracon	ABM8-40.000MHZ-10-1-U-T					