

Item Number	Quantity	Manufacturer	Part Number	Description	Part Reference
1	1	MBARI	1001808	PCB, Puck	
2	4	Kemet	T491B474K035AS	Capacitor, Tantalum SMT 0.47uF 35V 10%	C23 C24 C25 C26
3	8	Kemet	C0805C104Z5VACTU	Capacitor, Ceramic 0.1uF 50V Y5V	C1 C2 C4 C6 C7 C14 C15 C22
4	4	Kemet	T494B106M010AS	Capacitor, Tantalum SMT 10uF 10V 20%	C8 C9 C12 C13
5	2	Kemet	C0805C150K5GACTU	Capacitor, Ceramic 15pF 50V 10% COG	C10 C11
6	1	Panasonic	EEV-HA1V221P	Capacitor, Electrolytic 220uF 35V 20%	C16
7	2	Sanyo	4TPB100M	Capacitor, Low-ESR 100uF 8% 4V	C17 C21
8	1	Taiyo Yuden	GMK325BJ225MN	Capacitor, Ceramic Multilayer 2.2uF	C18
9	1	Kemet	C1210C224M5UACTU	Capacitor, Ceramic 0.22uF 50V 20% Z5U	C19
10	1	Kemet	C0805C100C5GACTU	Capacitor, Ceramic 10pF 50V	C20
11	1	Panasonic	EEFFD0K220R	Capacitor, Aluminum Electrolytic 22uF 8V 20%	C27
12	3	Vishay/Dale	CRCW08054K75FKTA	Resistor, Thick Film 4.75k 1% 1/10W	R6 R7 R9
13	5	Vishay/Dale	CRCW08050000ZSTA	Resistor, Thick Film 0 1/10W	R8 R12 R13 R14 R15
14	5	Vishay/Dale	CRCW08051M00JKTA	Resistor, Thick Film 1M 5% 1/10W	R2 R3 R4 R5 R10
15	1	Vishay/Dale	CRCW0805604KFKTA	Resistor, Thick Film 604k 1% 1/10W	R11
16	2	Panasonic	EXB-38V472JV	Resistor, Network Isolated 4.7k, 5%, 1/16W	RN1 RN2
17	1	Yageo	RSF200JB-120R	Resistor, Metal Oxide 120ohm 5% 2W, Axial Lead	R1
18	1	Vishay/Dale	CRCW0805432RFKTA	Resistor, Thick Film 432 ohm 1% 1/10W	R16
19	1	Sumida	CDRH6D28-470	Inductor, SMT 47uH 0.48A	L1
20	1	Coilcraft	U6982-C	Transformer, Isolation 1CT:2.1CT	L2
21	1	Littlefuse	R459.001	Fuse, PICO Fast Acting SMD 1A	F1
22	1	MBARI STOCK	MBARI STOCK	Header, 1x7 7-pin 0.100"	J7
23	1	3M	2514-6002	Header, 2x7 14-pin 0.100"	J6
24	4	MBARI STOCK	MBARI STOCK	Wire, 0.75" long	J8 J9 J10 J11
25	1	MBARI STOCK	MBARI STOCK	Header, 1x2 2-pin 0.100"	J13
26	1	AVX	PBRC-7.37GR	Resonator, Ceramic 7.37MHz (no internal caps)	Y1
27	1	Nihon Inter Electronics Corp.	SB05W05C	Diode, Schottky Rectifier	D10
28	1	Central Semiconductor	CMDSH-3	Diode, Schottky Low Vf=0.3V	D3
29	1	Zetex	ZHCS400	Diode, Schottky Low Vf=0.5V	D4
30	4	On Semiconductor	MMBZ15VDLT1	Diode, Zener Transient Voltage Suppressor (12-15V)	D5 D6 D7 D8
31	1	General Semiconductor	1.5SMC27A	TRANSORB, TVS 25.7V-100A	D9
32	8	On Semiconductor	MMFT960T1	Transistor, MOSFET N-channel	Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10
33	3	International Rectifier	IRLML2803	Transistor, MOSFET N-channel	Q1 Q12 Q13
33ALT		Vishay	2N7002K	Transistor, MOSFET N-channel	Q1 Q12 Q13
34	2	International Rectifier	IRFS59N10D	Transistor, MOSFET P-channel	Q14 Q15
35	1	Atmel	AT45DB161B-CC	IC, Memory, Flash 2Mx16 1Mbit	U10
36	1	Texas Instruments	MSP430F149IPM	IC, Microcontroller, Ultra Low Power	U5
37	1	Maxim	MAX253CUA	IC, Isolated Supply Driver	U11
38	1	Maxim	MAX3160CAP	IC, Transceiver RS-232/RS-485	U6
39	1	Fairchild	NC7SP04P5X	IC, Logic Inverter	U7
40	1	ETA-USA	OC1-3.3SC1224	Power Supply, Switching	U8
41	1	Linear Technology	LT1521CST-3.3	IC, Linear Regulator +3.3V	U13
42	1	Linear Technology	LT1934ES6	IC, Switching Power Supply Controller - Micropower	U9
43	1	Matsushita Electric Works	AQW212	IC, Dual PhotoMOS Solid State Relay	U12