

Wave Miner Bill of Materials Rev 1.0

Note: ADAU1401 board and MTS-102 switch are available from AliExpress. L1 requires approx. 33 turns of 0.2mm Enamelled Copper Wire on Fair-Rite 5977000201 ferrite toroid. If this is not available then L1 can be replaced with a wire link.

Item	Qty	Reference(s)	Value	Description
1	2	C1, C4	100n	Capacitor 0805
2	2	C2, C3	100u 16V	Electrolytic Capacitor 5mm dia
3	1	C5	22u 16V	Electrolytic Capacitor 5mm dia
4	2	C6, C7	1u	Capacitor 0805
5	1	D1	Red LED or L63DR2L	LED 3mm or 5mm dia, or panel mount: L63DR2L
6	2	J1, J9	Stereo Jack	Lumberg 1503-13 Jack 3.5mm
7	4	J2, J3, J7, J8	BNC	BNC Socket 031-5431-10RFX
8	3	J4, J6, J10	DIL Pin Header 2x3	6-way 2.54mm Pin Header
9	1	J5	DC-Socket	DC Barrel Socket FC68148
10	1	J11	IDC Pin Header 2x5	10-way IDC Pin Header 2.54mm
11	1	J12	IDC Pin Header 2x20	40-way IDC Pin Header 2.54mm
12	2	J13, J14	SIL Pin Header 10-way	10-way SIL Pin Header 2.54mm
13	2	J15, J16	SIL Pin Header 4-way	4-way SIL Pin Header 2.54mm
14	1	L1	1mH	Fair-Rite 5977000201 Toroid, 33 turns 0.2mm ECW
15	1	R1	220 Ohm	Resistor 0805
16	1	SW1	SPDT	MTS-102 Toggle Switch Right Angle or 1MS1T2B4M6RE
17	1	U1	ADAU1401 Board	ADAU1401 DSP Board
18	1	U2	LM7805	LM7805 TO220 5V Regulator
19	1	U3	LP5907MFX-3.3	3.3V Regulator SOT23-5
20	2	-	SIL Pin Header 16-way	16-way SIL Pin Header 2.54mm for ADAU1401 Board
21	2	-	IDC Socket 40-way	Example is Harting 09 18 540 7813 (Farnell 1097030)
22	1	-	Ribbon Cable 40-way	1.27mm Cable, example is R2651DTSY40SC85
23	1	-	1593W Box	Hammond Box 1593WBK, 1593WGY or 1593WTBU
24	5	-	Jumper 2.54mm Shorting	Example is CAB 4 GR