

BOM

Crucible
Rev. 1.0

3/5/2021

Qty.	Reference	Value	Component	Tol.	Note	Manufacturer	Part Number	Mouser Number	Price	Total
2	D1, D2	1N5819	Diode		SOD-123	Diodes Inc.	1N5819HW-7-F	621-1N5819HW-F	\$ 0.40	\$ 0.80
1	IC1	LM4040 2V	Voltage Ref.	0.1%	SOT-23	Texas Instruments	LM4040AIM3-2.0/NOPB	926-LM4040AIM320NOPB	\$ 1.79	\$ 1.79
3	IC2, IC3, IC4	OPA4171	Op Amp		SO-14	Texas Instruments	OPA4171AIDR	595-OPA4171AIDR	\$ 2.73	\$ 8.19
4	R16, R17, R30, R33	51R	Resistor	1%	0603	Yageo	RC0603FR-0751RL	603-RC0603FR-0751RL	\$ 0.10	\$ 0.40
5	R4, R8, R9, R18, R21	1.0k	Resistor	1%	0603	Yageo	RC0603FR-071KL	603-RC0603FR-071KL	\$ 0.10	\$ 0.50
1	R1	2.2k	Resistor	1%	0603	Yageo	RC0603FR-072K2L	603-RC0603FR-072K2L	\$ 0.10	\$ 0.10
1	R24	39k	Resistor	1%	0603	Yageo	RC0603FR-0739KL	603-RC0603FR-0739KL	\$ 0.10	\$ 0.10
18	R2, R3, R5, R6, R7, R10, R11, R12, R13, R14, R15, R19, R20, R25, R26, R27, R28, R29	100k	Resistor	1%	0603	Yageo	RC0603FR-07100KL	603-RC0603FR-07100KL	\$ 0.02	\$ 0.38
2	R22, R23	1M	Resistor	1%	0603	Yageo	AC0603FR-131ML	603-AC0603FR-131ML	\$ 0.10	\$ 0.20
6	C5, C6, C7, C8, C9, C10	100nF	Capacitor	10%	0603	AVX	06033C104KAT4A	581-06033C104KAT4A	\$ 0.09	\$ 0.54
3	C1, C2, C11	10uF	Pol. Capacitor	20%	S-V	Panasonic	EEE-1VA100WR	667-EEE-1VA100WR	\$ 0.24	\$ 0.72
1	U\$3	500R	Trimpot		3296	Bourns	3296W-1-501RLF	652-3296W-1-501RLF	\$ 3.93	\$ 3.93
1	JP1	10 Pos. 5X2	Header			Amphenol FCI	10129381-910001BLF	649-1012938191001BLF	\$ 0.26	\$ 0.26
8	J1, J2, J3, J4, J5, J7	Thonkiconn	Jack				PJ398SM	synthCube WQP518MA	\$ 0.41	\$ 3.28
2	U\$1, U\$2	5 Position	Rotary Switch		D shaft	Alps	SRBV151102	688-SRBV151102	\$ 7.17	\$14.34
2			Knob		D shaft		3PS - Large Pointer	(D Shaft) - Rogan PT	\$ 2.40	\$ 4.80
1			PCB			SoundFlask		synthCube	\$ 7.00	\$ 7.00
1			Panel			SoundFlask		synthCube	\$ 8.00	\$ 8.00
Total -										\$55.33