

BOM

Bunsen
Rev. 1.0

12/22/2020

| 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 |
| 1 | IC2 | OPA2171 | Op Amp | | SO-8 | Texas Instruments | OPA2171AID | 595-OPA2171AID | \$ 2.14 | \$ 2.14 |
| 2 | IC3, IC4 | OPA4171 | Op Amp | | SO-14 | Texas Instruments | OPA4171AIDR | 595-OPA4171AIDR | \$ 2.73 | \$ 5.46 |
| 6 | R15, R16, R17, R31, R32, R33 | 51R | Resistor | 1% | 0603 | Yageo | RC0603FR-0751RL | 603-RC0603FR-0751RL | \$ 0.10 | \$ 0.60 |
| 4 | R4, R8, R9, R18 | 1.0k | Resistor | 1% | 0603 | Yageo | RC0603FR-071KL | 603-RC0603FR-071KL | \$ 0.10 | \$ 0.40 |
| 1 | R98 PLACE AT C11 | 1.2k | Resistor | 1% | 0603 | Yageo | RC0603FR-101K2L | 603-RC0603FR-101K2L | \$ 0.10 | \$ 0.10 |
| 1 | R1 | 2.2k | Resistor | 1% | 0603 | Yageo | RC0603FR-072K2L | 603-RC0603FR-072K2L | \$ 0.10 | \$ 0.10 |
| 1 | R99 PLACE BETWEEN IC1 AND C11 | 39k | Resistor | 1% | 0603 | Yageo | | | \$ 0.10 | \$ 0.10 |
| 12 | R2, R3, R5, R6, R7, R10, R11, R12, R13, R14, R19, R20 | 100k | Resistor | 1% | 0603 | Yageo | RC0603FR-07100KL | 603-RC0603FR-07100KL | \$ 0.10 | \$ 1.20 |
| 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 | 10uF | Pol. Capacitor | 20% | S-V | Panasonic | EEE-1VA100WR | 667-EEE-1VA100WR | \$ 0.24 | \$ 0.72 |
| 1 | JP1 | 10 Pos. 5X2 | Header | | | Amphenol FCI | 10129381-910001BLF | 649-1012938191001BLF | \$ 0.26 | \$ 0.26 |
| 8 | J1, J2, J3, J4, J5, J6, J7, J8 | Thonkiconn | Jack | | | Thonk | PJ398SM | | \$ 0.60 | \$ 4.80 |
| 2 | U\$1, U\$2 | 5 Position | Rotary Switch | | D shaft | Alps | SRBV151102 | 688-SRBV151102 | \$ 7.17 | \$14.34 |
| 2 | | | Knob | | D shaft | Thonk | Large Skirted Sifam | Cap Sold Separately | \$ 2.00 | \$ 4.00 |
| 1 | | | PCB | | | SoundFlask | | | \$ 5.00 | \$ 5.00 |
| 1 | | | Panel | | | SoundFlask | | | \$ 5.00 | \$ 5.00 |

Total - \$47.55