

Precision Adder

| Qty | Ref | Description | Value | Manufacturer | Part Num | Mouser | Package | Other | Other Part Num | Cost | Total Cost |
|-------|---|---|------------|---------------------|----------------------|----------------------|----------|-------|----------------|---------|------------|
| 2 | D1, D2 | Schottky Diodes & Rectifiers Vr/40V Io/1A T/R | 1N5819 | Diodes Incorporated | 1N5819HW-7-F | 621-1N5819HW-F | SOD-123 | | | \$ 0.44 | \$ 0.88 |
| 4 | IC1, IC2, IC3, IC4 | Op Amp | TL072 | Texas Instruments | TL072CDR | 595-TL072CDR | SOIC-8 | | | \$ 0.41 | \$ 1.64 |
| 1 | IC5 R2, R3, R4, R5, R6, R7, R8, R9, R10, R12, R13, R14, R15, R17, R18, R19, | Voltage Reference 10V | LM4040 10V | Texas Instruments | LM4040DIM3-10.0/NOPB | 926-LM4040DIM3100NPB | SOT-23-3 | | | \$ 0.62 | \$ 0.62 |
| 20 | R20, R21, R22, R23 | Resistor 0.1% | 100k | Vishay | MCT0603MD1003BP100 | 594-MCT0603MD1003BP1 | 0603 | | | \$ 0.55 | \$ 10.90 |
| 1 | R11 | Resistor 1% | 10k | Vishay | MCT06030C1002FP500 | 594-MCT06030C1002FP5 | 0603 | | | \$ 0.16 | \$ 0.16 |
| 2 | R16, R24 | Resistor 1% | 1k | Vishay | MCT06030C1001FP500 | 594-MCT06030C1001FP5 | 0603 | | | \$ 0.10 | \$ 0.20 |
| 8 | C2, C3, C4, C5, C6, C7, C8, C9, C10 | Capacitor | 100n | TDK | CGA3E2X7R1E104K080AA | 810-CGA3E2X7R1E104K | 0603 | | | \$ 0.10 | \$ 0.80 |
| 2 | C1, C2 | Electrolytic Capacitor (Panasonic B) | 10u | Panasonic | EEE-1VA100WR | 667-EEE-1VA100WR | S-V | | | \$ 0.34 | \$ 0.68 |
| 1 | R1 | Alpha 9mm Vertical Potentiometer | 10kB | Alpha | | | | Thonk | B10k | \$ 1.78 | \$ 1.78 |
| 1 | | Davies Knob | | | | | | Thonk | | \$ 0.69 | \$ 0.69 |
| 5 | J1, J2, J3, J4, J5 | Thonkiconn Jack (Don't forget nuts) | PJ398SM | | | | | Thonk | | \$ 0.50 | \$ 2.50 |
| 1 | JP1 | 5x2 2.54 Eurorack Header (No Shroud) | M05X2PTH | Harwin | M20-9760546 | 855-M20-9760546 | M20 | | | \$ 0.36 | \$ 0.36 |
| 1 | PCB | Printed Circuit Board | | | | | | | | \$ 1.00 | \$ 1.00 |
| 1 | Panel | Front Panel | | | | | | | | \$ 1.00 | \$ 1.00 |
| Total | | | | | | | | | | \$ | 23.21 |