

GMSN! Pure Sample & Hold BoM

| Qty | RefDes | Description | Value | Manufacturer | Manufacturer P/N | RS P/N | Mouser P/N | Package | Other Vendor | Other P/N | Cost | Total Cost |
|-----|---------------------|--|------------------------|-------------------|-------------------|----------|----------------------|--------------------------|--------------|-----------|-------|------------|
| 2 | D2, D3 | Diode | STTH102A | Generic | | 485-8465 | 511-STTH102A | SMADIODE | | | £0.18 | 0.36 |
| 1 | D1 | Diode | 1N914 | Generic | | 805-1021 | 512-1N914BWS | SOD-323 | | | £0.03 | 0.026 |
| 5 | R1, R5, R8, R9, R10 | Resistor, 1% | 100K | Generic | | 223-0691 | 603-RC0805FR-07100KL | R0805 | | | £0.01 | 0.025 |
| 1 | R3 | Resistor, 1% | 10K | Generic | | 901-3692 | 603-RC0805FR-0710KL | R0805 | | | £0.01 | 0.014 |
| 1 | R7 | Resistor, 1% | 1K | Generic | | 223-0427 | 603-RC0805FR-071KL | R0805 | | | £0.01 | 0.009 |
| 1 | R4 | Resistor, 1% | 5k6 | Generic | | 679-1572 | 603-RC0805FR-075K6L | R0805 | | | £0.01 | 0.009 |
| 2 | R2, R6 | Resistor, 1% | 2K2 | Generic | | 901-3695 | 603-RC0805FR-072K2L | R0805 | | | £0.01 | 0.028 |
| 5 | C3, C6, C8, C9, C10 | Multilayer Ceramic Capacitor | 0.1u | Generic | | 669-8877 | 80-C0805C104M5R | C0805K | | | £0.01 | 0.035 |
| 1 | C7 | Multilayer Ceramic Capacitor | 1u | Generic | | 790-0689 | 80-C0805C105K5R | C0805K | | | £0.01 | 0.009 |
| 1 | C1 | Multilayer Ceramic Capacitor | 560p | Generic | | 869-5772 | 80-C0805C561J5GAC | C0805K | | | £0.01 | 0.012 |
| 1 | C11 | Multilayer Ceramic Capacitor | 10u | Generic | | 698-3548 | 963-JMK212ABJ106KD-T | C0805K | | | £0.01 | £0.01 |
| 2 | C4, C5 | Electrolytic Capacitor | 10u | Generic | | 737-9704 | 80-EDK106M050A9GAA | 153CLV-0505 | | | £0.03 | 0.054 |
| 1 | T1 | Transistor | | 3904 | Generic | 793-0753 | 821-MMBT3904 | TRANSISTOR_SINGLE_N-TYPE | | | £0.02 | 0.022 |
| 1 | U2 | Quad 2-Input NAND Schmitt Trigger Logic Gate | | 4093 | Texas Instruments | 526-470 | 595-CD4093BM96 | SOIC14 | | | £0.21 | 0.214 |
| 1 | U1 | Sample and Hold Chip | LF398 | Linear | LF398S8_E | 640-4701 | 584-LF398S8#PBF | SOIC--8 | | | £2.18 | 2.18 |
| 1 | IC1 | Op Amp | TL072D | Texas Instruments | TL072ACDR | 661-0054 | 595-TL072ACDR | DUAL_OPAMP | | | £0.47 | 0.472 |
| 1 | C2 | Polypropylene Film Cap | 4n7F | Generic | | 240-4684 | 80-PFR5472J63J11L4 | 5mm Lead Pitch | | | £0.47 | 0.472 |
| 1 | PWR | 2x5 Shrouded Header | | Generic | | | 710-61201021621 | 2X5-SHROUDED | Rapid | 19-0035 | 0.17 | 0.17 |
| 1 | RATE | Alpha Vertical Potentiometer | A1M | Alpha | | | | Q-POT | Thonk | | 1.42 | 1.42 |
| 3 | CLK, IN, OUT | 3.5mm Jack Mono | Thonkiconn - PJ301M-12 | Thonk | PJ301M-12 | | | S_JACK | Thonk | | 0.39 | 1.17 |
| 1 | RATE | Davis 1900h Clone | Black | Davis | | | | | Thonk | | 0.7 | 0.7 |
| | | | | | | | | | | Total | | £6.58 |