

# Resonant Lopass Gate Parts List

Revision 3.2 as released by djthomaswhite ([www.naturalrhythmmusic.com/lopass.html](http://www.naturalrhythmmusic.com/lopass.html))

| Resistors (1% Metal Film)                         |   | Mouser Part #                        | QTY    |
|---|---|--------------------------------------|--------|
| 22R*  | R1, R2 (Option: Can use Ferrite Beads instead)                                  | 271-22-RC                            | 2      |
| 470R  | R6  | 271-470-RC                           | 1      |
| 1K  | R15, R26, R32, R34**  | 271-1K-RC                            | 3      |
| 10K   | R8, R14, R16  | 271-10K-RC                           | 3      |
| 15K   | R11, R12  | 271-15K-RC                           | 2      |
| 33K   | R7  | 271-33K-RC                           | 1      |
| 47K*  | R19 (Optional, for use with Deep Switch Mod)                                    | 271-47K-RC                           | 1      |
| 50K"  | R18 (Optional, for use with Resonance Mod)                                      | 271-49.9K-RC                         | 1      |
| 100K  | R5, R9, R10, R17, R20, R21, R22, R23, R24,<br>R25, R27, R28, R29, R30, R31, R33 | 271-100K-RC                          | 16     |
| 150K  | R3  | 271-150K-RC                          | 1      |
| 470K  | R4  | 271-470K-RC                          | 1      |
| 4.7M (5% Carbon OK)                               | R13   | 291-4.7M-RC                          | 1      |
| <b>Capacitors</b>                                 |   |                                      |        |
| 33pF  | C10   | 581-SR151A330JAR                     | 1      |
| 220pF   | C7  | 581-SR211A221JAR                     | 1      |
| 1n  | C9  | 505-FKS21000/100/10                  | 1      |
| 2n  | C5  | 539-168222K100A-F                    | 1      |
| 4.7n  | C8  | 505-MKP24700/630/5                   | 1      |
| 100n  | C1, C2  | 581-BQ074G0104J                      | 2      |
| 1uF   | C6  | 581-BQ074D0105J                      | 1      |
| 10uF Electro                                      | C3, C4  | 140-XRL50V10-RC                      | 2      |
| <b>Miscellaneous</b>                              |   |                                      |        |
| VTL5C3 Vactrol (Fast)<br>or VTL5C4 Vactrol (Slow) | V1, V2 (User Choice, or mod it!)<br><i>Allied Elec</i>                          | Allied #980-0710<br>Allied #980-0716 | 2      |
| Zener 3.9V (0.5W)                                 | D1  | 512-BZX85C3V9                        | 1      |
| 20K Vertical Trimpot                              | TP1   | 652-3299W-1-203LF                    | 1      |
| 10K Linear Pot                                    | P1 - Offset   | 313-1510F-10K                        | 1      |
| 50K Linear Pot                                    | P2 - Resonance  | 313-1510F-50K                        | 1      |
| 4P/3Pos Rotary Switch<br>or 3PDT Toggle Switch    | Mode  | 105-SR2611F-43-21RS<br>108-0006-EVX  | 1<br>1 |
| SPST Switch*                                      | Deep Switch (Optional)  | 108-1MS1T6B1M1QE-EVX                 | 1      |
| Inputs, Outputs, CV In                            | Jacks, User Choice  | 502-112AX                            | 4      |
| MTA-156 or MTA-100                                | Power Connector (MTA-156 Part # Shown)  | 571-6404454                          | 1      |
| 100K Linear Pots*                                 | If using level control on inputs (Optional) <i>Spectrol</i><br><i>Alpha</i>     | 594-248-7104<br>313-1500F-100K       | 4      |
| Machined 14-Pin IC Sockets                        | For U1 and U2   | 535-14-3518-10                       | 2      |
| Ferrite Beads                                     | Option to replace R1, R2  |                                      |        |
| Resistor Clippings                                | Jumpers   | n/a                                  |        |
| <b>Intergrated Circuits</b>                       |   |                                      |        |
| TL084 Quad Op Amp                                 | U1  | 595-TL084ACN                         | 1      |
| TL074 Quad Op Amp                                 | U2  | 595-TL074ACN                         | 1      |