

VCA MIXER

| Id | Designator                                      | Package  | Quantity | Designation        | Supplier and ref  |  |  |
|----|---|--|----------|--------------------|---|--|--|
| 1  | D4,D3,D1,D2                                     | ZENER DIODE BZX55C2V0 Make sure its the 2v version | 4        | BZX55C2V0          | <a href="https://www.ebay.co.uk/itm/0-5W-Ze">https://www.ebay.co.uk/itm/0-5W-Ze</a>         |  |  |
| 2  | J1  | Multicomp_MC9A12-1034_2x05_P2.54mm_Vertical        | 1        | EURORACK POWER     | <a href="https://www.rapidonline.com/truconnect">https://www.rapidonline.com/truconnect</a> |  |  |
| 3  | U7  | DIP-8_W7.62mm_Socket_LongPads                      | 1        | TL072              |   |  |  |
| 4  | U6,U5   | DIP-14_W7.62mm_LongPads                            | 2        | AS3360             |   |  |  |
| 5  | U4,U3,U2,U1                                     | DIP-14_W7.62mm_LongPads                            | 4        | TL074              |   |  |  |
| 31 | FB2,FB1   | Resistor (preferable metal film 0.25W)             | 2        | 10R                |   |  |  |
| 6  | R72,R60,R59,R58,R57,R48,R47,R40,R39             | Resistor (preferable metal film 0.25W)             | 9        | 1K                 |   |  |  |
| 7  | R71,R70,R69,R68,R67,R66,R65,R56                 | Resistor (preferable metal film 0.25W)             | 39       | 100K               |   |  |  |
|    | R55,R54,R53,R52,R51,R50,R49,R32,                |  |          |                    |   |  |  |
|    | R31,R30,R29,R28,R27,R26,R25,R24,                |  |          |                    |   |  |  |
|    | R23,R22,R21,R20,R19,R18,R17,R16,                |  |          |                    |   |  |  |
|    | R15,R14,R13,R12,R11,R10,R9                      |  |          |                    |   |  |  |
| 8  | R46,R43,R38,R35                                 | Resistor (preferable metal film 0.25W)             | 4        | 47K                |   |  |  |
| 9  | R45,R42,R37,R34                                 | Resistor (preferable metal film 0.25W)             | 4        | 20K                |   |  |  |
| 10 | R44,R41,R36,R33                                 | Resistor (preferable metal film 0.25W)             | 4        | 6k8                |   |  |  |
| 11 | R8,R6,R4,R2                                     | Resistor (preferable metal film 0.25W)             | 4        | 470k               |   |  |  |
| 12 | R7,R5,R3,R1                                     | Resistor (preferable metal film 0.25W)             | 4        | 220K               |   |  |  |
| 13 | Q4,Q3,Q2,Q1                                     | TO-92_Inline_Wide                                  | 4        | 2N3904             |   |  |  |
| 14 | J22,J17,J16,J15,J14,J13,J12,J11,J10,J9,J8,J7,J6 | JACK SOCKETS                                       | 13       | 6.35JACKS          | <a href="https://www.mouser.co.uk/ProductDetail">https://www.mouser.co.uk/ProductDetail</a> |  |  |
| 27 | J5,J4,J3,J2                                     | PinHeader_1x08_P2.54mm_Vertical                    | 4        | Main Board CONNECT |   |  |  |
| 32 | C14,C13,C12,C11,C10,C9,C8,C7,C4,C3              | Ceramic Capacitor                                  | 10       | 100nf              |   |  |  |
| 33 | C6,C5   | Ceramic Capacitor                                  | 2        | 4n7                |   |  |  |
| 34 | C2,C1   | Electrolytic Capacitor                             | 2        | 10uf               |   |  |  |

VCA DAUGHTER BOARD

| Id | Designator                 | Package                                | Quantity | Designation          | Supplier and ref  |  |  |
|----|----------------------------|--|----------|----------------------|---|--|--|
| 1  | SW1,SW2,SW3,SW4            | SPDT SWITCH ON-ON                      | 4        | INV's                | <a href="https://www.rapidonline.com/salecom">https://www.rapidonline.com/salecom</a>         |  |  |
| 2  | SW5,SW6,SW7,SW8            | DPDT SWITCH ON-ON                      | 4        | MUTES                | <a href="https://www.rapidonline.com/salecom-tf">https://www.rapidonline.com/salecom-tf</a>   |  |  |
| 9  | RV1,RV2,RV3,RV4,RV5        | Potentiometer_Alps_RK09K               | 5        | B100k                | <a href="https://www.thonk.co.uk/shop/alpha-9m">https://www.thonk.co.uk/shop/alpha-9m</a>     |  |  |
| 14 | R64,R63,R62,R61            | Resistor (preferable metal film 0.25W) | 4        | 1K                   |   |  |  |
| 15 | J18,J19,J20,J21            | PinHeader_1x08_P2.54mm_Vertical        | 4        | Daughter Brd CONNECT |   |  |  |
| 19 | D5,D6,D7,D8,D9,D10,D11,D12 | LED_D5.0mm                             | 8        | LED's                | <a href="https://www.rapidonline.com/kingbright-">https://www.rapidonline.com/kingbright-</a> |  |  |