

| REFERENCE DESIGNATOR | QTY | Description | MFG | MFG PN | DIGIKEY/MOUSER PN | NOTES |
|--|---------|--|----------------------|--------------------------|--------------------------------|---|
| Main Board | | | | | | |
| Amplifier PCB | 1 "set" | PCB | DIYAudio.com | - | - | 1 "set" includes 1 amplifier PCB, 1 input PCB, and 1 mute PCB |
| J14, J15 | 2 | 1.5mm silver plated COPPER WIRE (16 AWG) | - | - | - | |
| R45, R46 | 4 | 5.1 OHM 0805 SMD 1% | SUSUMU | RL12205-5R1-F | RL1255.1FCT-ND | |
| R17A, R17B, R17C, R17D, R20A, R20B, R20C, R20D, R23A, R23B, R23C, R23D, R26A, R26B, R26C, R26D | 16 | 220 OHM, 1%, 1W | PRP | PR9372-1T TC50 220 1% | - | Select each group of four to match values with other groups (i.e. parallel value of R17 equals the parallel value of R20 equals the parallel value of R23, etc). |
| R21, R22 | 2 | 220 OHM, 1%, 1W | PRP / DALE | PR9372-1T TC50 220 1% | - | |
| R18A, R18B, R18C, R19A, R19B, R19C, R24A, R24B, R24C, R25A, R25B, R25C | 12 | 33 OHM, 1%, 1/4W | PRP | PR9372-1/4T TC50 33 1% | - | Select each group of three to match values with other groups (i.e. parallel value of R18 equals the parallel value of R19 equals the parallel value of R24, etc). |
| R9, R16, R29, R32 | 4 | 47 OHM, 1%, 1/4W | PRP | PR9372-1/4T TC50 47 1% | - | |
| R14A, R15A, R27A, R28A | 4 | tbd, 1%, 1/4W | DALE / PRP | CMF55.....FHEB | - | selected values to replace R10, R11, R33, and R34 after bias setup |
| R14B, R15B, R27B, R28B | 4 | 1K OHM, 1%, 1/4W | PRP | PR9372-1/4T TC50 1K 1% | - | |
| R14C, R15C, R27C, R28C | 4 | 1.5K OHM, 1%, 1/4W | PRP | PR9372-1/4T TC50 1.5K 1% | - | |
| R10, R11, R33, R34 | 4 | 10K OHM, 10 TURN POT | BOURNS | 3006P-1-103LF | 3006P-103LF-ND | |
| R5, R8, R35, R38 | 4 | OR22 OHM, 5W, MPC74 | FUKUSHIMA | MPC74 OR22 10% | - | Match to 1mV at 2A |
| R6, R7, R37, R37 | 0 | OR22 OHM, TO-220 | Caddock, Vishay, etc | - | - | Alternate holes to R5, R8, R35, R38 |
| Q8, Q9 | 2 | 2SK170 N-JFET | TOSHIBA | 2SK170BL | - | idss 6.6mA matched |
| Q12, Q13 | 2 | 2SJ74 P-JFET | TOSHIBA | 2SJ74BL | - | idss 7.2mA matched |
| Q1, Q8 | 2 | 2SJ201 P-MOSFET | TOSHIBA | 2SJ201 | - | matched Vgs Q1=Q8=Q15=Q20@2A |
| Q15, Q20 | 2 | 2SJ1530 N-MOSFET | TOSHIBA | 2SJ1530 | - | matched Vgs Q1=Q8=Q15=Q20@2A |
| Optional Protection Circuit | | | | | | |
| R1, R9, R39, R42 | 4 | 390 OHM, 1%, 1/4W | DALE | CMF55392R00FHEB | CMF392HFCT-ND | |
| R2, R3, R40, R41 | 4 | 150 OHM, 1%, 1/4W | DALE | CMF55150R00FHEB | CMF150HFCT-ND | |
| R12, R13, R30, R31 | 4 | 10K OHM, 1%, 1/4W | DALE | CMF5510K000FHEB | CMF10.0KHCT-ND | |
| Q3, Q4 | 2 | BC560C | ON SEMI | BC560CG | BC560CGOS-ND | |
| Q17, Q18 | 2 | BC550C | ON SEMI | BC550CG | BC550CGOS-ND | |
| Standard Configuration (Non-Cascode) | | | | | | |
| Q7A, Q10A | 2 | 0.8mm silver plated copper wire (AWG 20) | - | - | - | PIN 1 TO PIN 2 |
| Q11A, Q14A | 2 | 0.8mm silver plated copper wire (AWG 20) | - | - | - | PIN 1 TO PIN 3 |

| | | | | | | |
|---------------------------------|---|--|--------------|--------------------------|---|--|
| Input PCB | | | | | | |
| PCB | 1 | Power PCB Panel | XENAUDIO.com | | | |
| Standoff | 1 | 4mm standoff, brass | | | | |
| Wire from input PCB to main amp | 2 | 1.5mm silver plated copper wire (AWG 16) | - | - | - | |
| Wire from input PCB to main amp | 4 | 0.8mm silver plated copper wire (AWG 20) | - | - | - | |
| R100, R102 | 2 | 100K OHM, 1%, 1/4W | PRP | PR9372-1/4T TC50 100K 1% | - | |
| R103, R104 | 2 | 1K OHM, 1%, 1/4W | PRP | PR9372-1/4T TC50 1K 1% | - | |
| R101 | 1 | 10 OHM, 1%, 1/4W | PRP | PR9372-1/4T TC50 10R 1% | - | |

| | | | | | | |
|-----------------|---|---------------------|-----------|-------------|---------------------------|--|
| Mute PCB | | | | | | |
| D200 | 1 | BAW76 | FAIRCHILD | BAW76 | 512-BAW76 | |
| K200 | 1 | 2 form C Relay, 12V | OMRON | G6K-2P DC12 | Z117-ND | |