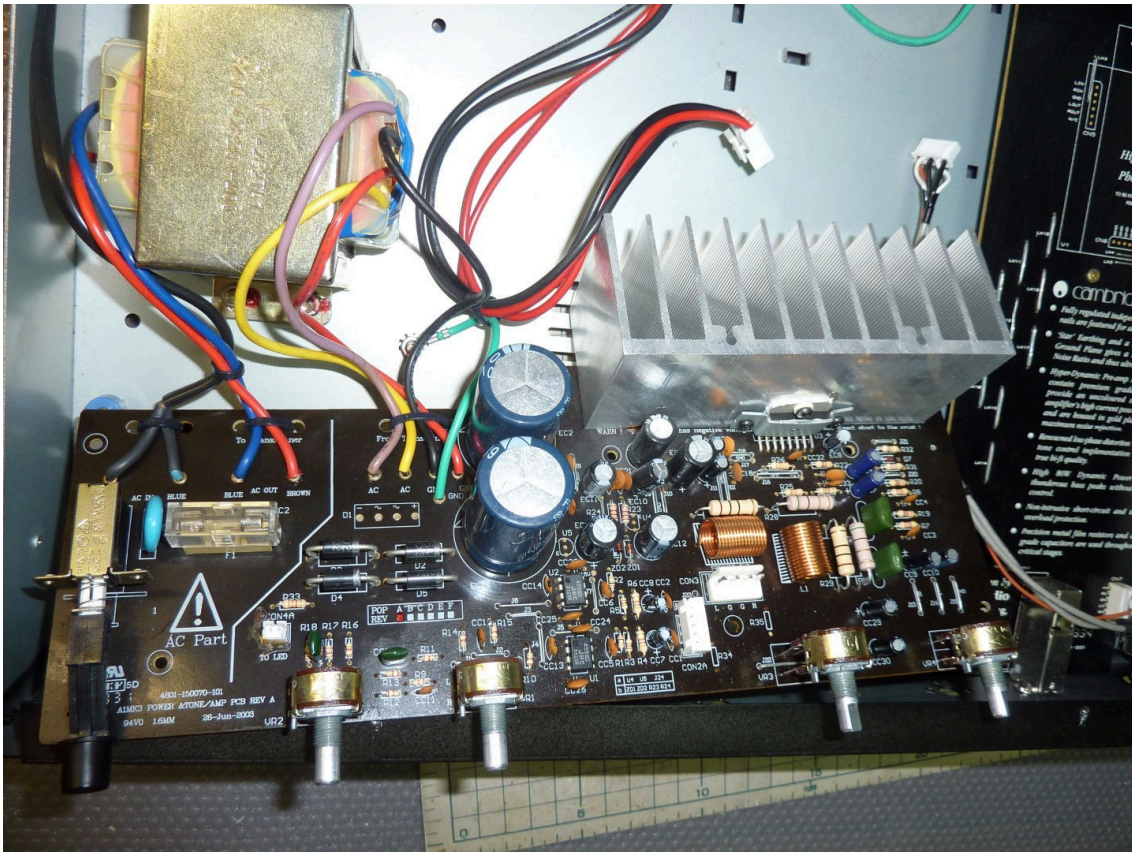


## Cambridge Audio A1 v3.0 – Bill Of Materials



### ICs

**U1, U2** – JRC 4558D (NE5532, OPA228, OPA2228, OPA2604, OPA627, **LM4562**)

**U3** – LM4766T

**U4** may be 78L10 and **U5** may be 79L10 (not on board)

### Diode

**D1** – Rectifier bridge (not on board)

**D2, D3, D4, D5** – 1N5402

**Con4A** – LED

**D7** – probably 1N4147

**ZD1, ZD2** – Zener 10v

### Fuse

**F1** – 2A / 250V

**Transformer** - "NC-V4282TA1GP" & "3200-428201E400"

21-0-21v / 1.6A / ~70VA

#### **Inductor**

**L1, L2** – 0.7uH

#### **Electrolytic Capacitor**

**EC1, EC2** – 6800uF 50v (*PANASONIC 10000  $\mu$ F 50V*)

**EC3, EC4** – 330uF 50v (*Elna RJH 470uF 50v*)

**EC5, EC6, CC9, CC10, CC29, CC30** – 10uF 50v (*Nippon ChemiCon AVH 10uF 50v*)

**EC7, EC9** – 47uF 25v (*Elna RE3 47uF 50v*)

**EC8** – 22uF 50v (*Nichicon FW 22uF 100v*)

**EC10, EC11** – 100uF 50v (*Elna RJH 120uF 50v*)

**EC12, EC13** – 220uF 50v (*Elna RJH 220uF 50v*)

**CC7, CC8** – 4.7uF 25v (*Elna Silmic II 4.7uF 50v*)

#### **Maylar Capacitor**

**CC15, CC16** – 33nF (*Philips MKP380 33nF 160V 5% - Metallized Polypropylene*)

**CC27, CC28** – 100nF (*Wima MKP4 100nF 100V 5% - Metallized Polypropylene*)

#### **Ceramic Disc Capacitor**

**CC1, CC2, CC3, CC4, CC32, CC33** – 100pF (*Toshin Kogyo 100pF 100V 5% - Polypropylene*)

**CC5, CC6** – 22pF (*22pF 160V - Polystyrene*)

**CC11, CC12** – 330pF (*WIMA 330pF 100V - Polypropylene*)

**CC13, CC14** – 5.6pF

**CC17, CC18, CC19, CC20, CC23, CC24, CC25, CC26, CC31** – 100nF (*WIMA 100nF 100V - MKP2*)

**CC21, CC22** – 10nF (*Vishay BC 10nF 400v*)

## **Potentiometers**

**VR1, VR2, VR3** – Dual pot 100K

**VR4** - Dual pot 20K

## **Resistors (all carbon film 5%)**

*(Replaced all 1/4w and 1/8w carbon film resistors by Vishay MRS25 Metal film resistors 1% 0.6W)*

**R1, R2** – 100K 1/8w

**R3, R5** – 47K 1/8w

**R4, R6, R7, R8** – 47K 1/4w

**R9, R10, R11, R12, R13, R14, R15, R16, R17, R18** – 39K 1/8w

**R19, R20, R21, R22** – 1K 1/4w

**R23, R24** – 1K2 1/4w

**R25, R26** – 33K 1/4w

**R27, R28** – 5r 2w

**R29, R30** – 10r 2w

**R31**– 4K7 1/4w

**R32**– 10K 1/4w

**R33**– 3K3 1/4w

**R34, R35** - (not on board)