

SERVICE MANUAL



SPECIFICATIONS:

Power Supply	AC 100V-240V~50/60Hz,
Power Consumption	25W
Weight	3.6kg
Dimension	434 (W) x 68.7 (H) c 327 (D) mm
Video System	PAL/NTSC
Laser	SL Beam, wave length: 650nm, 790nm.
Frequency Response	DVD audio: 48KHz PCM 4 Hz~22KHz 96KHz PCM 4 Hz~44KHz Audio CD: 4Hz~20KHz
S/N ratio	110dB
Audio Dynamic Range	100dB
Rotating Ration	Within measurable range
Operation Condition	Temperature 0°C ~ 40 °C
Operation Status	Horizon

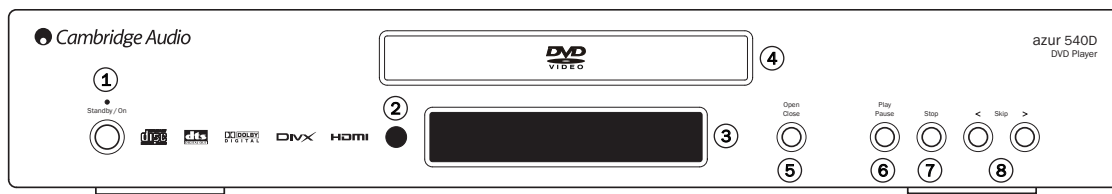
AP22951/1

540D v2 SERVICE MANUAL

TABLE OF CONTENTS

Specifications.....	1
Table of Contents.....	2
Front Panel Details.....	3
Rear Panel Details.....	4
Remote Control Details.....	5
Exploded Diagram.....	6
Exploded Diagram Parts List.....	7
Available Spare Parts List.....	8
Connections Diagram.....	9
Power Supply.....	10
Power Board Layout.....	11
Voltage Regulators.....	12
Regulator & Connector Diagram.....	13
MPEG Decoder Circuit Board.....	14
MPEG Decoder Circuit Board (Dynamic RAM).....	15
HDMI Processor.....	16
MPEG Decoder Circuit Board Layout.....	17
MPEG Decoder Circuit Board Layout (Rear Side).....	18
Output Circuit Board Layout.....	19
Output Circuit Board Layout (Rear Side).....	20
Input / Output Connections Diagram.....	21
Video Amplification Stage.....	22
D to A Conversion & Pre-out Stage Diagram.....	23
Display Board.....	24
Front Panel Circuit Board Layout.....	25
Bill of Materials.....	26 – 30
IC Details.....	31

Cambridge Audio 540D v2



① Standby/On

Switches the unit between Standby mode (indicated by a dim power LED) and On (indicated by a bright power LED). Standby is a low power mode where the power consumption is less than 10 Watts. The unit should be left in Standby mode when not in use.

② IR sensor

Receives IR commands from the supplied Azur remote control. A clear unobstructed line of sight between the remote control and the sensor is required.

③ Display

Used to display the 540D V2's functions and playback state etc. Please refer to the following 'Front Panel Display' section for more information.

④ Disc tray

DVD/Compact Disc tray. Use the *Open/Close* button to activate.

⑤ Open/Close

Allows you to open and close the disc tray for loading of discs. Pressing *Play* will also close the tray and start playing a disc if one is loaded.

⑥ Play/Pause

Plays the disc and pauses (freezes) play when playing.

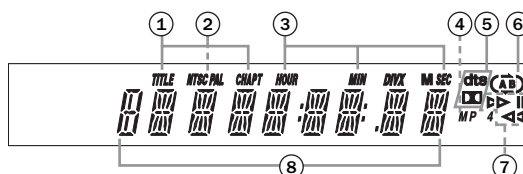
⑦ Stop

Press once to stop playback. Pressing *Play* will cause the playback be re-started from the same position. Press again to fully stop playback.

⑧ Skip

Press once to skip between tracks/chapters.

Front panel display



① Title/Chapter

Indicates the chapter title and chapter number fields.

② Video format

Displays the video output format: NTSC or PAL.

③ Time

Shows the hour, minutes and seconds elapsed on the disc.

④ MP4

Indicates a DivX/MP4 encoded disc is playing.

⑤ Decoding mode indicators

Indicate when a Dolby Digital soundtrack is being played back (either decoded internally or output digitally for external decoding) or DTS soundtrack (for external decoding only).

⑥ Repeat

Shows when Repeat (⏮), Repeat All (⏮⏮) and A-B Repeat (⏮⏮⏮) functions are in use.

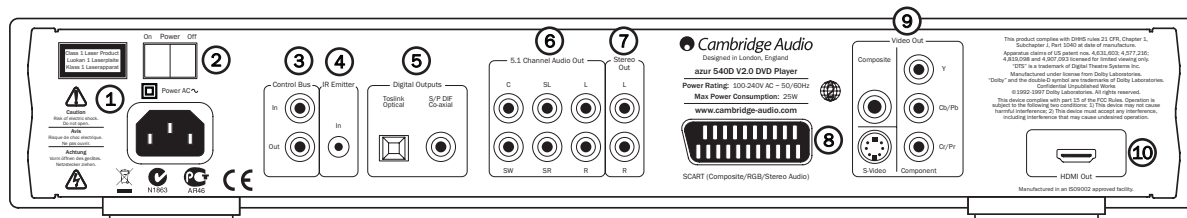
⑦ Playback

Shows when the disc is being played or paused.

⑧ Main information display

Used to display the various functions of the unit.

Cambridge Audio 540D v2



① AC power socket

Once you have made all audio and video connections, plug the IEC type AC power cable into the rear of the unit and an appropriate mains socket then switch on. Your DVD player is now ready for use.

② Power On/Off

Switches the unit on and off.

③ Control Bus

In - Allows un-modulated commands from multi-rooms systems or other components to be received by the unit.

Out - Loop out for Control Bus commands to another unit.

④ IR (Infra-Red) Emitter In

Allows modulated IR commands from multi-room systems or IR repeater systems to be received by the unit. Commands received here are not looped out of the Control Bus. Refer to the 'Custom Installation' section of this manual for more information.

⑤ Digital Outputs

Digital audio outputs are normally used to connect to a suitable Audio/Video Receiver for surround sound decoding (output must be set for 'RAW Bitstream' - refer to the 'Audio setup' section). These outputs can also be used to connect to a separate DAC or digital recording device (output must be set for 'PCM Stereo' - refer to the 'Audio setup' section).

Toslink Optical - Use a high quality TOSLINK fibre optic cable.

S/P DIF Co-Axial Digital - Use a high quality 75 ohm digital RCA/Phono interconnect cable designed specifically for digital audio use.

⑥ 5.1 Channel Audio Out

If Downmix is set to 'Off' in the Speaker Setup section of the 540D V2's Setup menus, these sockets provide 5.1 output from the 540D V2's built in Dolby Digital / Pro Logic II decoder. This can be used to connect to the 5.1 audio line-level inputs of an amplifier/AV receiver or amplified speaker package if required.

If Downmix is set to 'On', the Left and Right outputs only are active and provide a stereo downmixed output.

⑦ Stereo Audio Out

A separate permanent Stereo output (or Stereo downmix in the case of multi-channel material) is available for connection to the analog stereo inputs of an amplifier/AV receiver etc. This is the best connection to use for listening to CDs.

⑧ RGB/SCART

Use a SCART/Peritel cable to connect to the 21-pin scart input jack of a TV. SCART carries both audio (stereo) and video (as either Composite, S-Video or RGB) at the same time.

⑨ Analog Video Outputs

Composite - Connect to your television via 75 ohm RCA/phono cable designed specifically for video use.

S-Video - Connect to your television via dedicated S-Video cable.

Component - Connect to the YCbCr or YPbPr terminals of a television set via three 75 ohm RCA/phono cables designed specifically for video use.

⑩ HDMI Out

HDMI (High-Definition Multi-Media Interface) is a purely digital connection that can carry both audio and video. Use a dedicated HDMI cable to connect to a TV/Monitor with a compatible HDMI input.

Note: The preferred connection method for video sources is always HDMI (highest quality, and can also carry audio in some circumstances) then Component Video then RGB/SCART then S-Video then Composite Video (lowest quality). The HDMI and Component outputs also support Progressive Scan which gives better picture quality if supported by your TV.

Cambridge Audio 540D v2

Remote control

The 540D V2 is supplied with an Azur Navigator remote control. Insert the 3 supplied AAA batteries to activate. For further details of the various adjustment functions available, refer to the later sections of this manual.

Open/Close

Opens and closes the disc tray.

Standby/On

Switches the unit between On and Standby mode.

Numerical buttons

Press the number of a desired chapter or track to go directly to it. For a number greater than ten, press 10+ followed by the number(s) required.

Go To

Press once to access Chapter Selection then enter the required chapter via the numerical buttons. Press twice to access Disc Time Selection and enter the required time from the start of the disc as H:MM:SS (Hours, Minutes, Seconds). Press three times to access Chapter Time Selection and enter the required time from the start of the chapter.

Repeat

Press to repeatedly play a single chapter/title on a DVD video or a single track/entire disc on a CD. The first press selects chapter/track repeat, the second press selects title/disc repeat, the third press selects all repeat.

A-B

Press to mark a segment between A and B for repeated playback. The first press marks point A, the second press marks point B.

Return

Press to return to the previous operation in any setup menu.

Disc Menu

Press to go to a DVD disc's own setup menu.

Setup

Press to enter the 540D V2's Setup menu. Please refer to the 'DVD player setup' section of this manual for more information.

Info

While playing a DVD, press to cycle through the following information options to be displayed on the screen: Title Elapsed, Title Remain, Chapter Elapsed, Chapter Remain, Info Off.

Disc Title

Press to access the DVD's Title Menu. This is usually the root menu from where the film can be started or where navigation to scene selections, special features etc can be made.

Navigation

Press the directional arrows to move around the Setup menus.

Enter

Press to accept the item/function highlighted in the display menu.

Play / Stop / Pause

Press the relevant button to play, stop or pause playback.

Note: If Stop is pressed once playback can be resumed from the same place by pressing Play. Press Stop twice to completely stop playback. If Pause is selected pressing the Slow key then allows frame by frame advancement of the paused frame.

Slow

When playing a DVD, press repeatedly to cycle round the various speeds of slow motion, forwards and backwards and back to normal speed).

Search

Press repeatedly to cycle between 2X, 4X, 8X and 16X playback speed (without sound) and back to normal playback. Left button for backwards playback options, right button for forwards playback.

Skip

Right Skip - Press once to skip forward by one track/chapter on the disc. Press and hold to skip forwards through several tracks.

Left Skip - Press once to skip backward by one track/chapter on the disc. Press and hold to skip backwards through several tracks.

Audio

Press to access alternate audio soundtracks on the DVD (if available on the DVD disc).

Sub

Press to enable/disable Subtitles (if available on the DVD disc).

Angle

Press to access various camera angles (if available on the DVD disc).

Zoom

Press to cycle through the various zoom magnifications (and back to normal display).

Amp/AVR buttons

The 540D V2 remote also has buttons that allow control of a Cambridge Audio Azur Amplifier or AV Receiver.

Note: These buttons are default set to transmit codes for our Azur 540R AV Receiver. To set the remote to an Azur 640R instead, simply remove the batteries, leave the remote for a few minutes and then hold down the Source button whilst re-inserting the batteries. To control an Azur 540A/640A/740A/840A follow the same steps as before, but hold down the Standby/On/Mute button.

The functions relevant to the amplifier or AV Receiver chosen are as follows:

Source

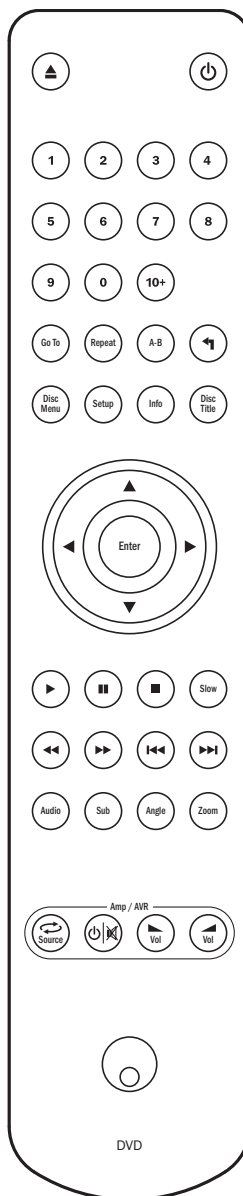
Press repeatedly to scroll round the source inputs one by one.

Standby/On / Mute

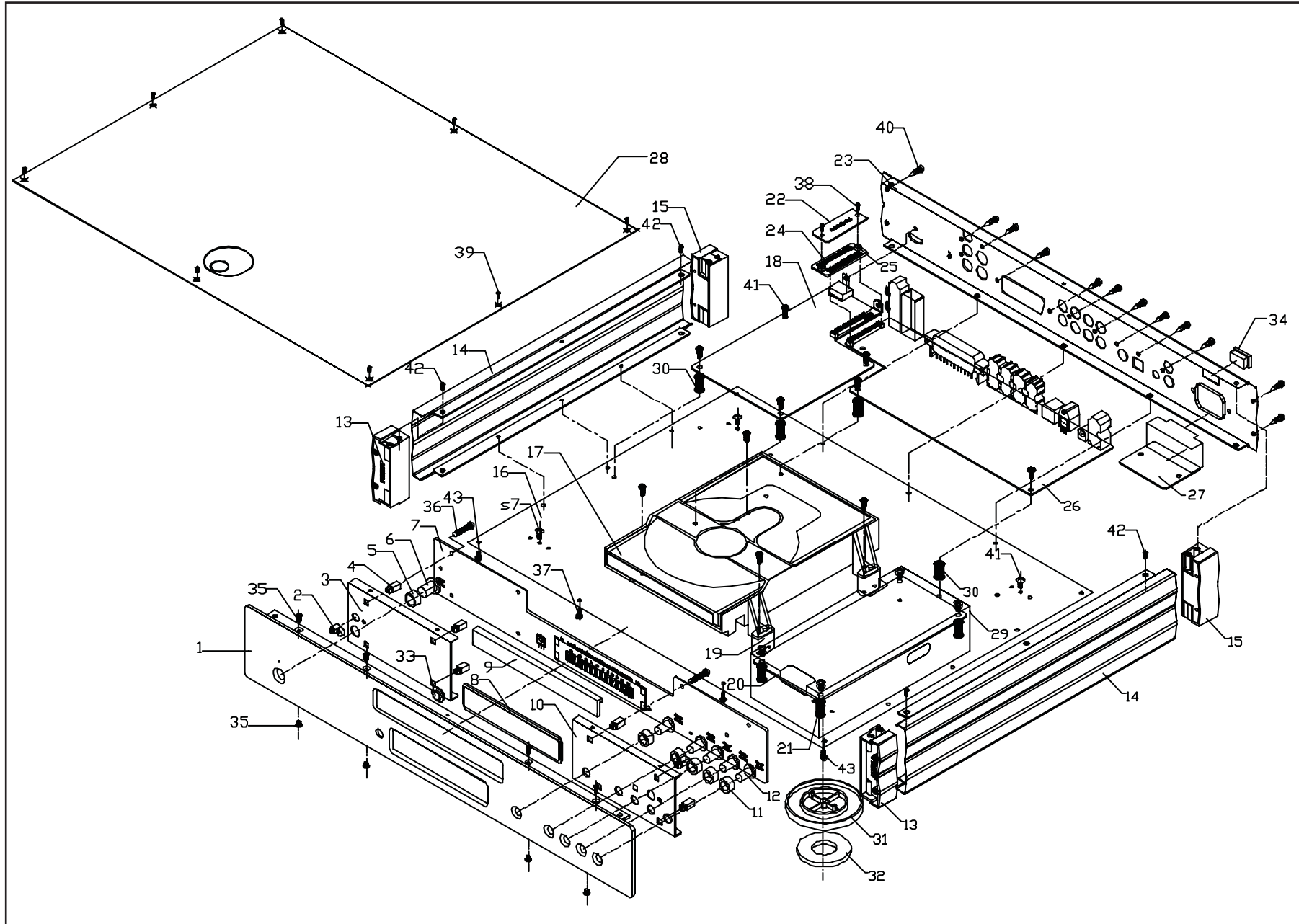
Press to switch the amplifier/AV Receiver between Standby mode and On. Press and hold to mute/unmute the amplifier/AV Receiver.

Volume

Press to decrease or increase the volume of the amplifier/AV Receiver.



Cambridge Audio 540D v2



Exploded Diagram

Cambridge Audio 540D v2

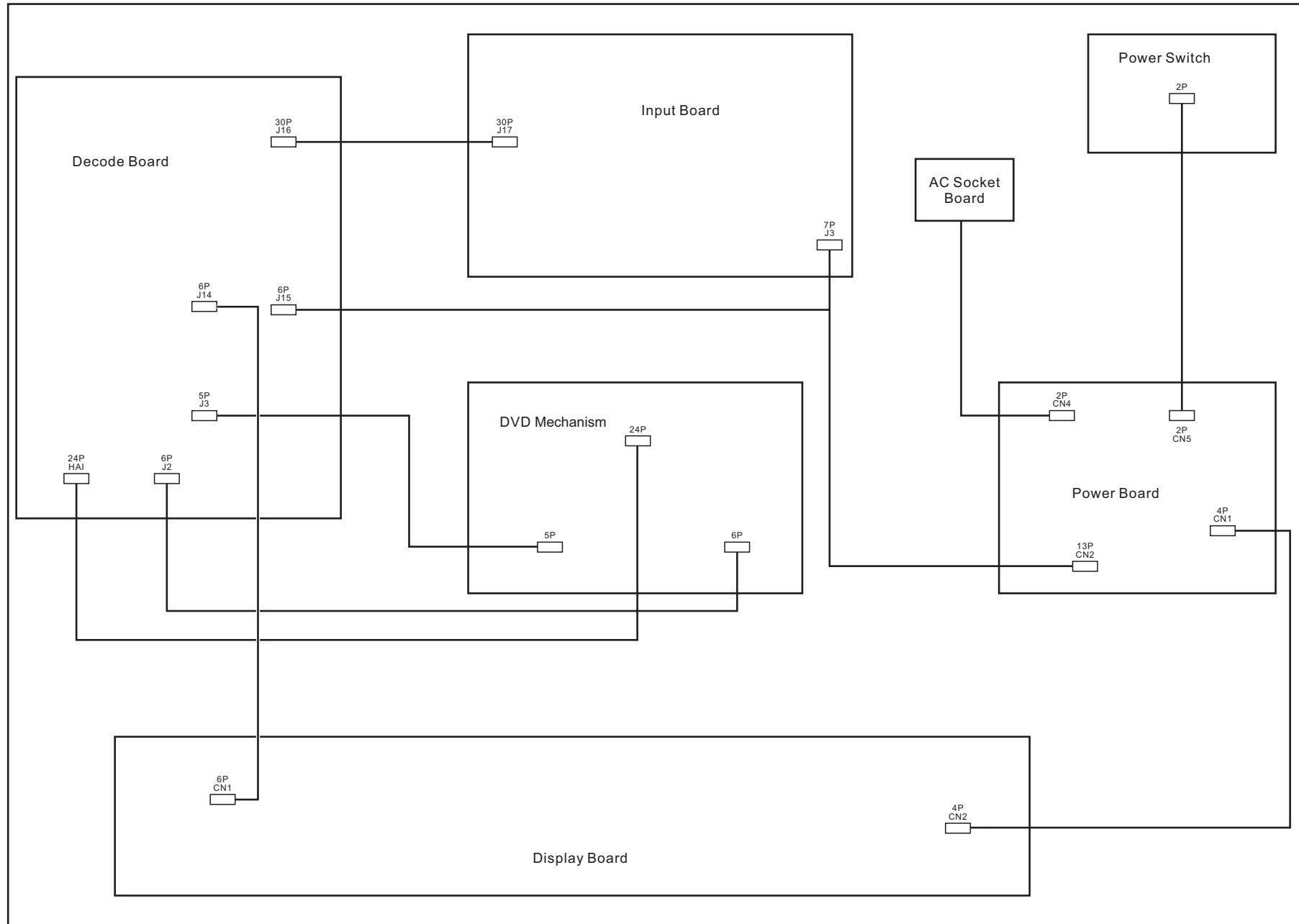
540D DVD PART LIST

Sel.	Part NO.	Description	Material	Qty.
1	6031 5010 0500	AL PANEL	Aluminium	1
2	7431 1030 0000	AMP LIGHT GUIDE	ACRYLIC	1
3	5331 5010 0000	LEFT SCALEBOARD	0.8 Stl. Plt.	1
4	7931 1022 0000	PCB SUPPPORT COLUMN	PA	9
5	7631 1010 0000	MR CONTROL BOX BUTTON CUSHION		1
6	7331 1010 0000	MR CONTROL BOX BUTTON	ABS	1
7	0054 7010 0000	DISPLAY PCB	1.6mm PCB	1
8	7431 5010 0080	DISPLAY LENS	PMMA	1
9	6631 5010 0221	DVD AL DOOR	Aluminium	1
10	5331 5020 0000	RIGHT SCALEBOARD	0.8 Stl. Plt.	1
11	7631 1020 0000	7MM TAC SWITCH BUTTON CUSHION		5
12	7331 1020 0000	7MM TAC SWITCH BUTTON	ABS	5
13	7531 5020 0000	540V front support assy	ABS	2
14	6431 5010 0000	SIDE COVER	0.8 Stl. Plt.	2
15	7531 5030 0000	540V rear support assy	ABS	2
16	6231 5010 0000	BOTTOM COVER	1.0 Stl. Plt.	1
17	2031 0000 1005	DVD Machine	ABS	1
18	0054 7280 0001	DECODE PCB	1.6mm PCB	1
19	7531 5010 0001	DVD BRACKET	ABS	4
20	0020 7070 1000	POWER PCB	1.6mm PCB	1
21	8730 1000 0000	KDDT-382 H=10MM	NYLON	4
22	0054 7260 0000	SHIELD PCB	1.6mm PCB	1
23	6331 5010 0500	BACK COVER	0.8 Stl. Plt.	1
24	0054 7320 0001	CONNECT PCB	1.6mm PCB	1
25	8760 0200 0001	PCB SUPPPORT COLUMN 0G-2	PA	2
26	0054 7080 0001	OUTPUT PCB	1.6mm PCB	1
27	0054 7070 0000	POWER IEC PCB	1.6mm PCB	1
28	6131 5010 0000	TOP COVER	1.0 Stl. Plt.	1
29	7731 5050 0000	POWER PCB PVC	PVC	1
30	8730 1500 0000	KDDT-382 H=15MM	NYLON	4
31	7931 1050 0000	FOOT	ABS	4
32	7931 1060 0000	FOOT PAD	RUBBER	4
33	7431 1020 0000	IR LENS	ACRYLIC	1
34	4202 1025 0000	POWER SWITCH RI3-11G-2-BK		1
35	5011 3006 0030	COUNTSINK SCREW BTB 3.0X6		8
36	5013 2616 0010	SCREW PB2.6X16		9
37	5011 3008 0012	SCREW BTB 3.0X8		4
38	5013 2608 0000	SCREW PA2.6X8		2
39	5012 2608 0030	CONTERSINK SCREW BM 2.6X8		7
40	5013 3010 0010	SCREW PA 3.0X10		22
41	5011 3006 0010	SCREW BTB 3.0X6		30
42	5011 2608 0030	CONTERSINK SCREW BTB 2.6X8		8
43	5012 2608 0012	SCREW BM 2.6X8		8

Cambridge Audio 540D v2

Drawing Ref:	AP Part No.	Factory Part No.	Description
17	PF152	2031 0000 1005	DVD MECHANISM
18	PF153	0054 7280 0001	MPEG DECODE CIRCUIT BOARD
20	PF154	0020 7070 1000	POWER CIRCUIT BOARD
26	PF155	0054 7080 0001	OUTPUT CIRCUIT BOARD
28	PF156		TOP COVER (BLACK)
28	PF157		TOP COVER (SILVER)
14	PF158		SIDE COVER (BLACK)
14	PF159		SIDE COVER (SILVER)
7	PF160		DISPLAY CIRCUIT BOARD
1	PF161		FRONT PANEL (BLACK)
1	PF162		FRONT PANEL (SILVER)
	PF163		REMOTE CONTROL

Cambridge Audio 540D v2

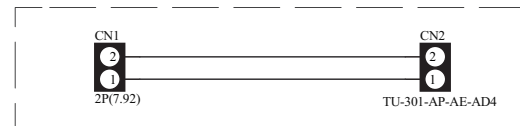
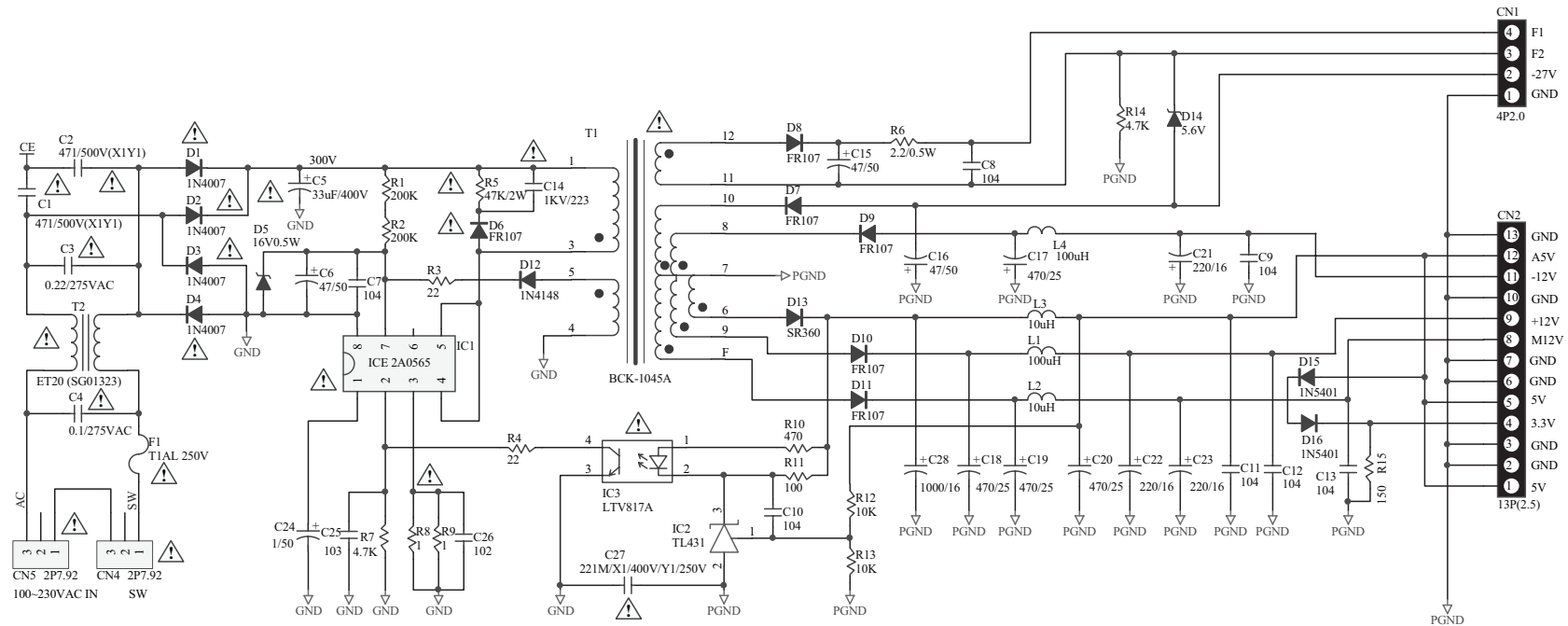


Connections Diagram

Cambridge Audio 540D v2

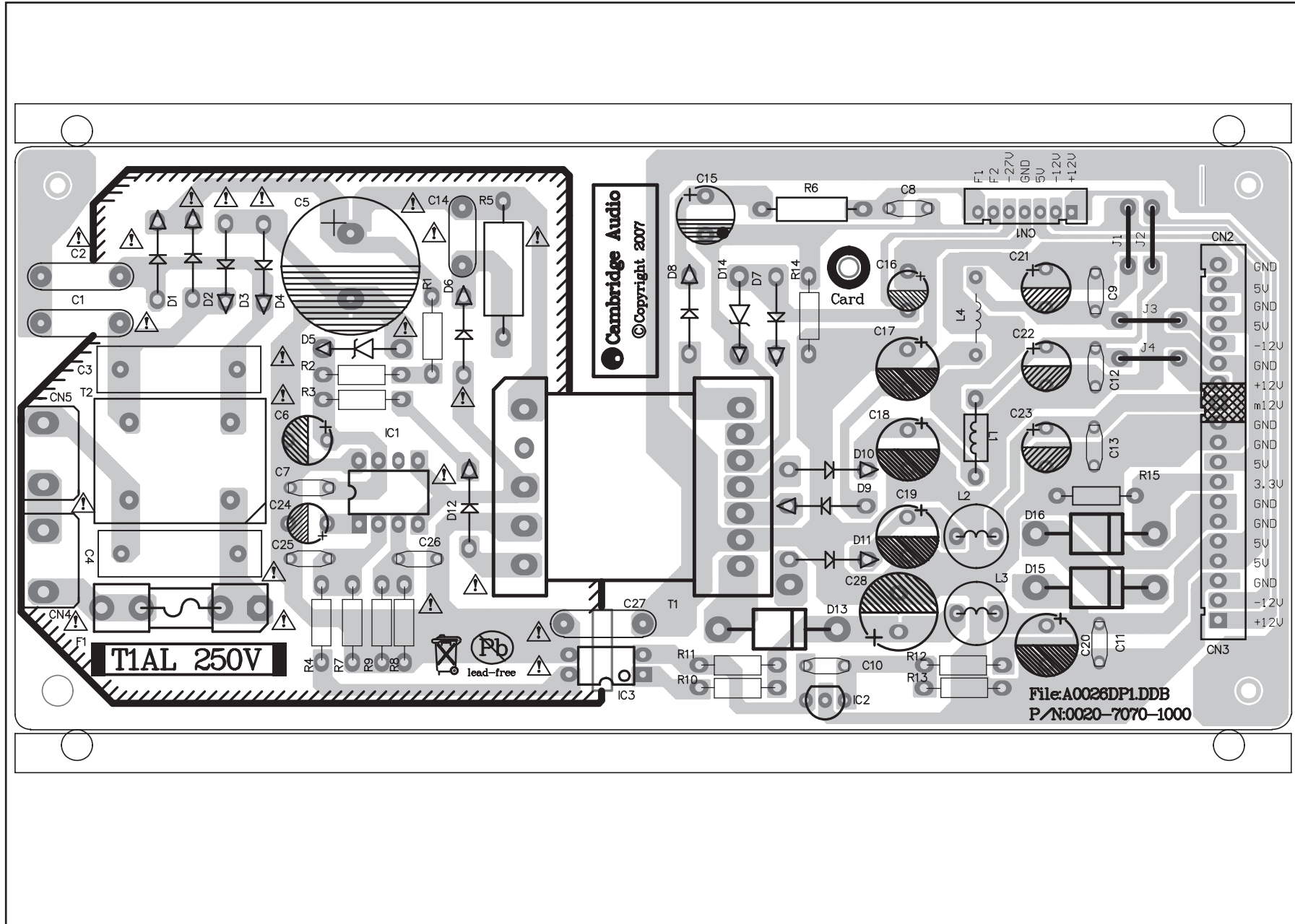
*Design and specifications are subject to change without notice.

© Copyright Audio Partnership 2007



The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

Cambridge Audio 540D v2

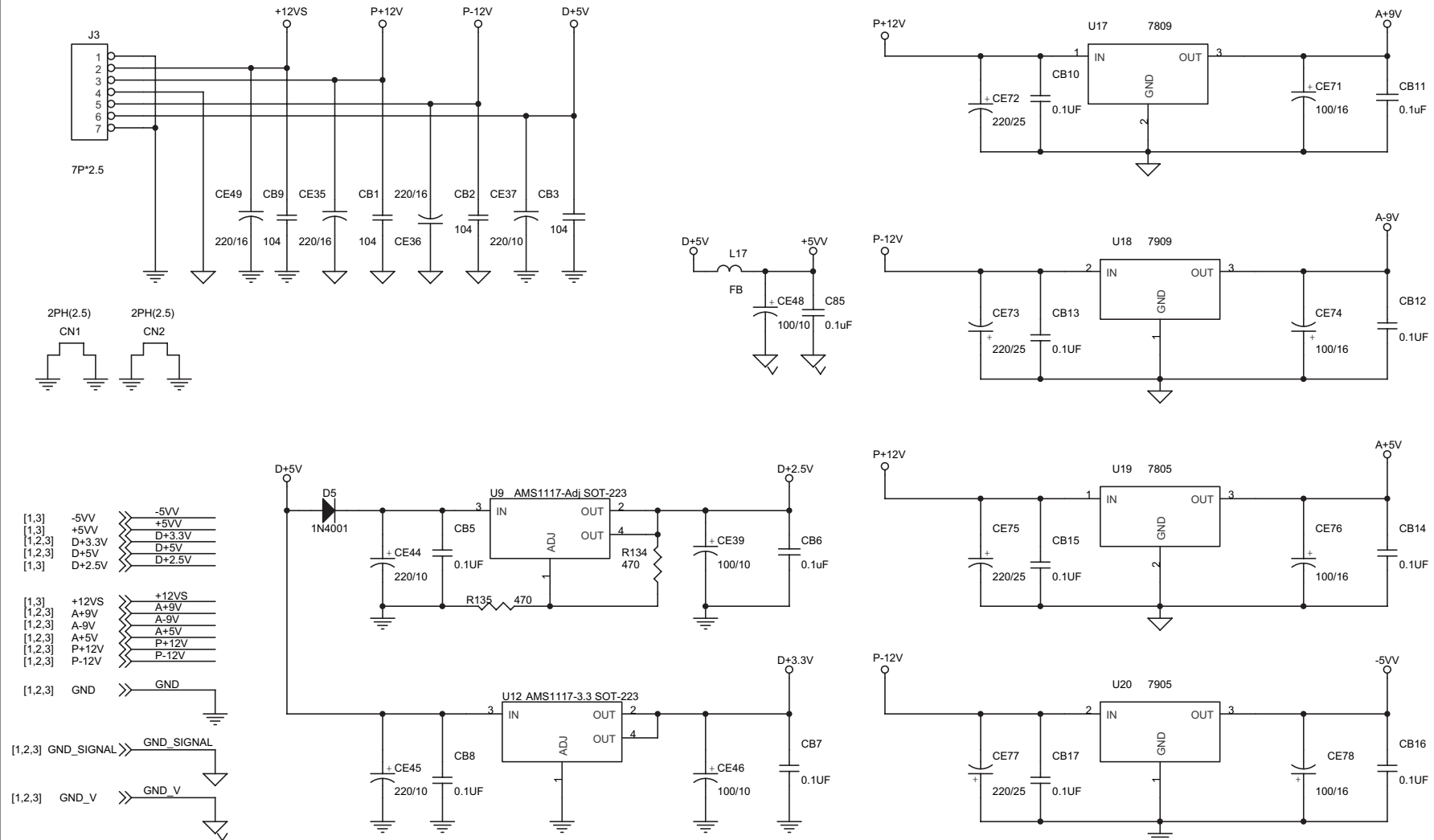


Power Board Layout

Cambridge Audio 540D v2

*Design and specifications are subject to change without notice.

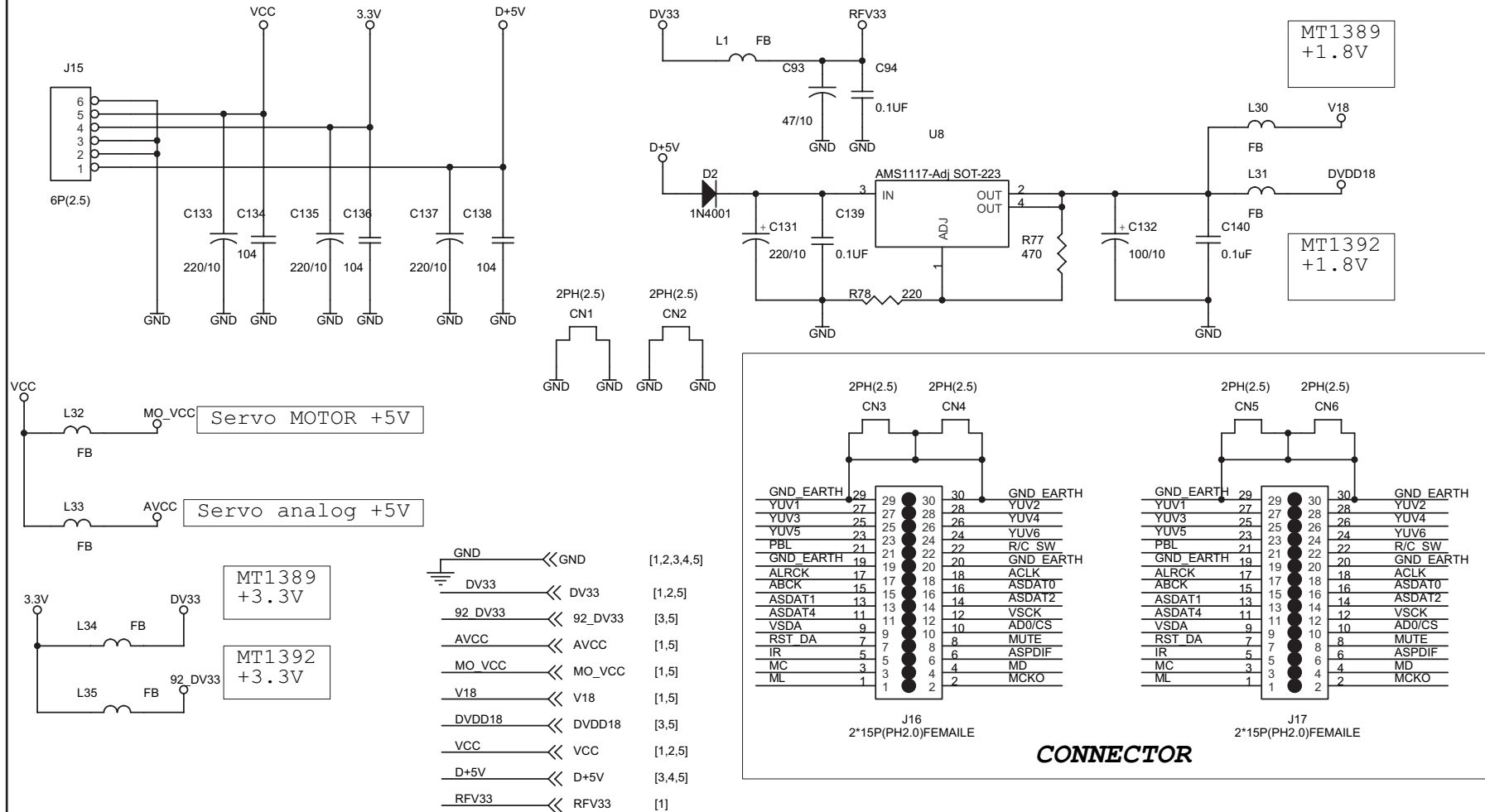
© Copyright Audio Partnership 2007



Cambridge Audio 540D v2

*Design and specifications are subject to change without notice.

© Copyright Audio Partnership 2007

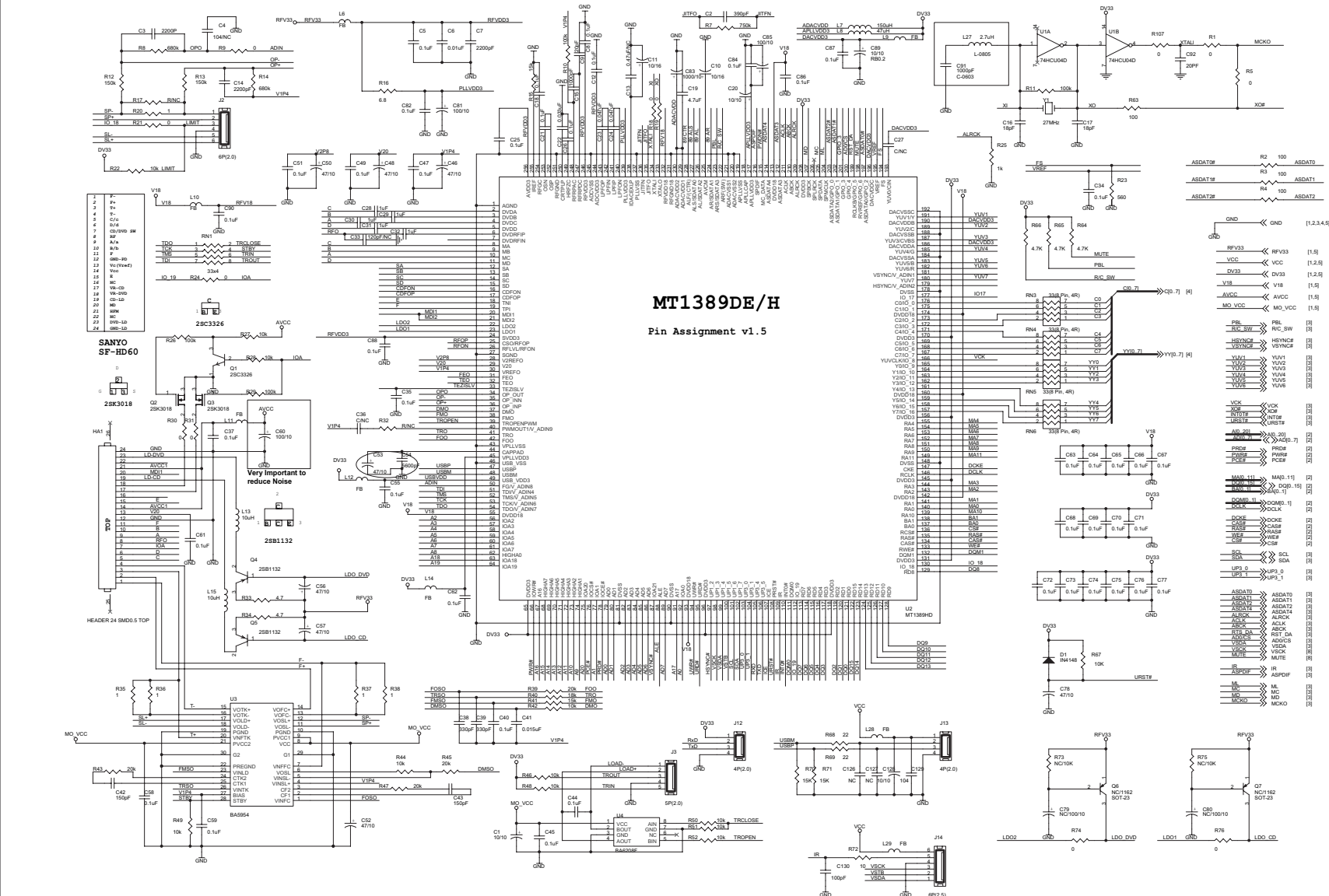


Regulator & Connector Diagram

Cambridge Audio 540D v2

*Design and specifications are subject to change without notice.

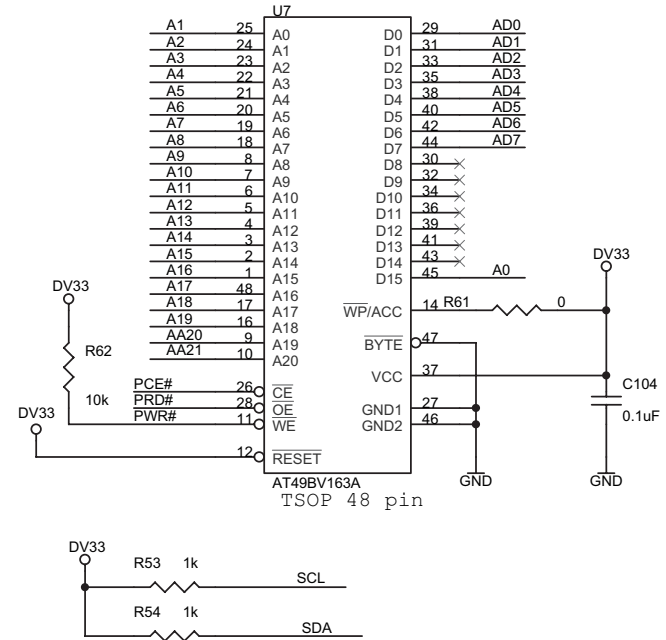
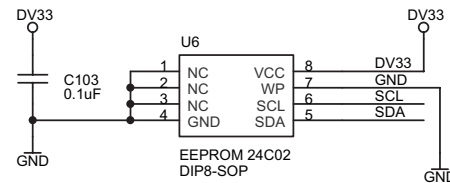
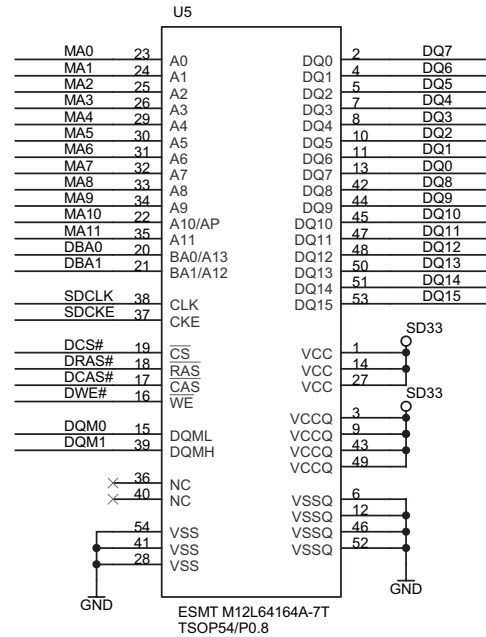
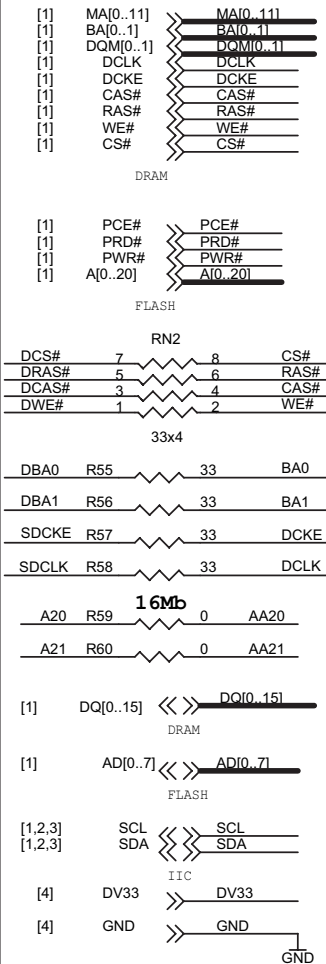
© Copyright Audio Partnership 2007



Cambridge Audio 540D v2

*Design and specifications are subject to change without notice.

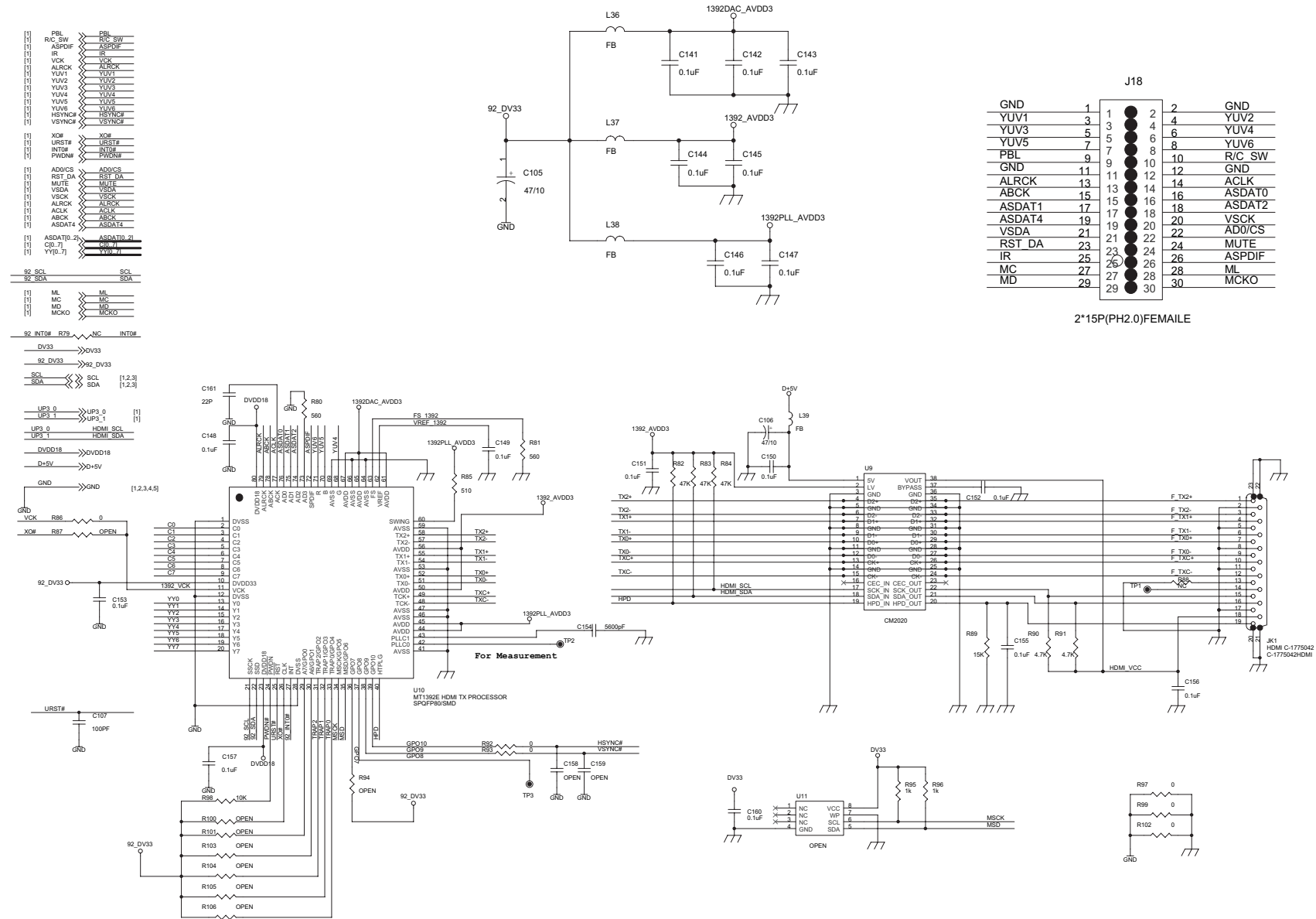
© Copyright Audio Partnership 2007



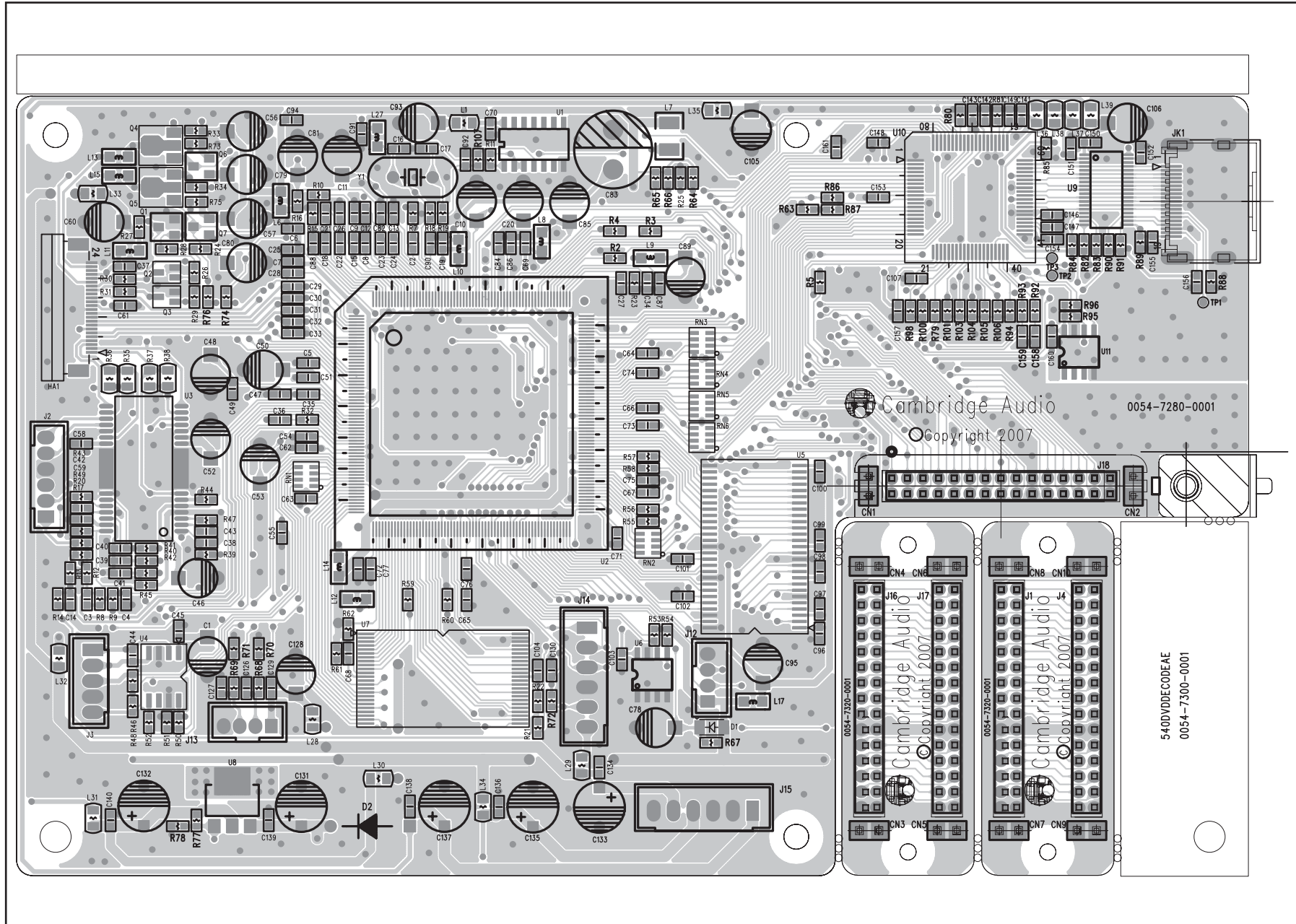
Cambridge Audio 540D v2

* Design and specifications are subject to change without notice.

© Copyright Audio Partnership 2007

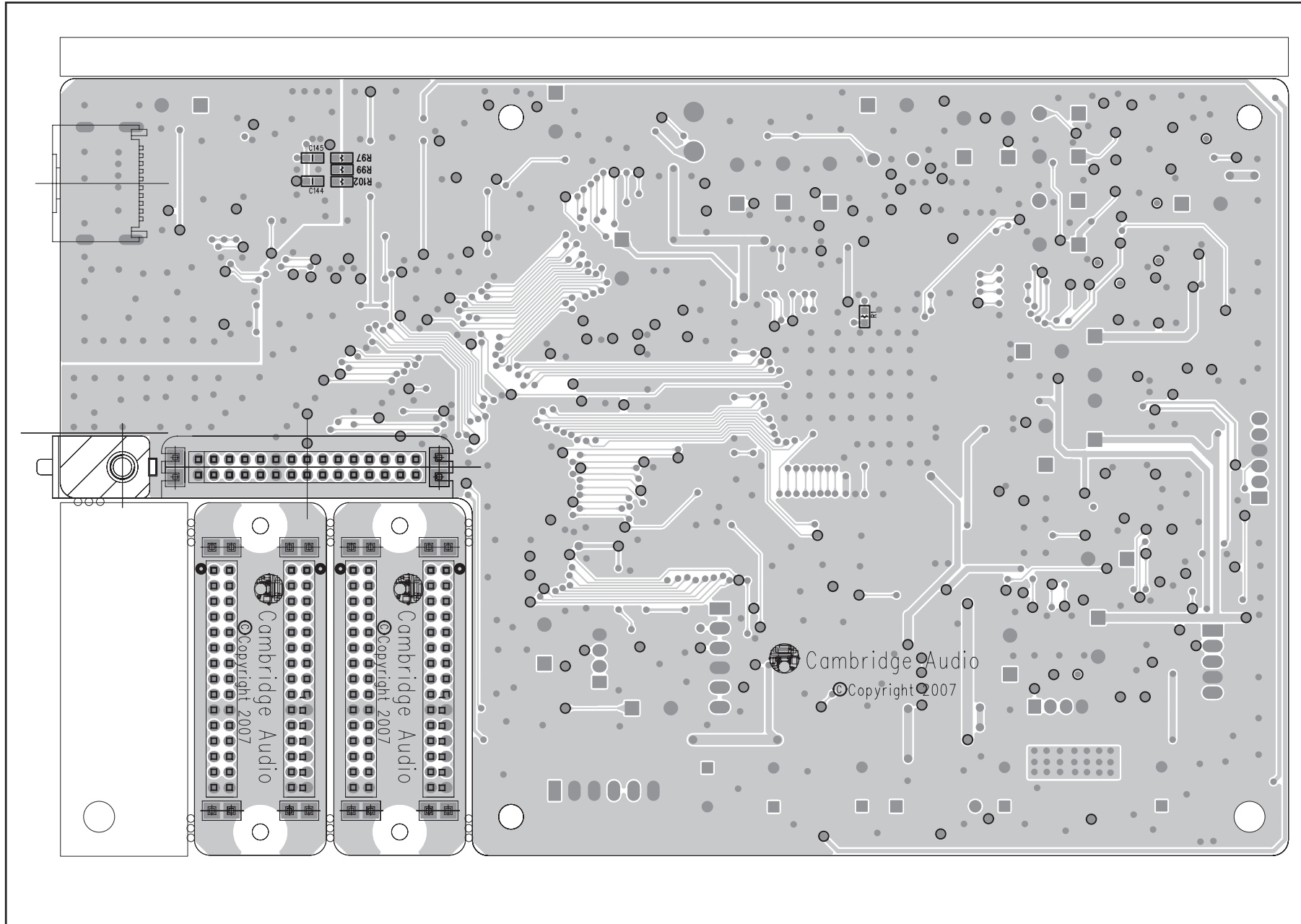


Cambridge Audio 540D V2



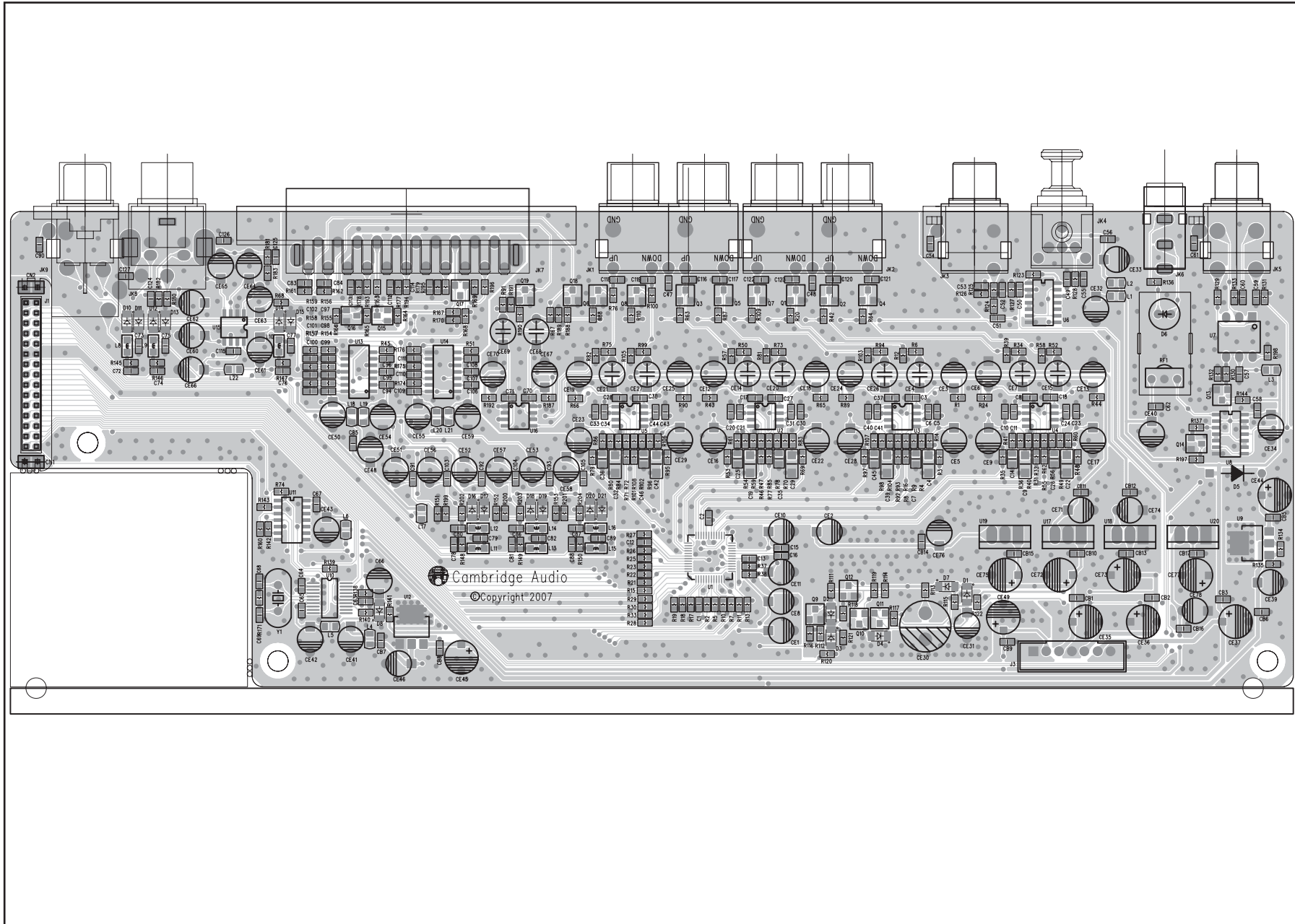
MPEG Decoder Circuit Board Layout

Cambridge Audio 540D v2



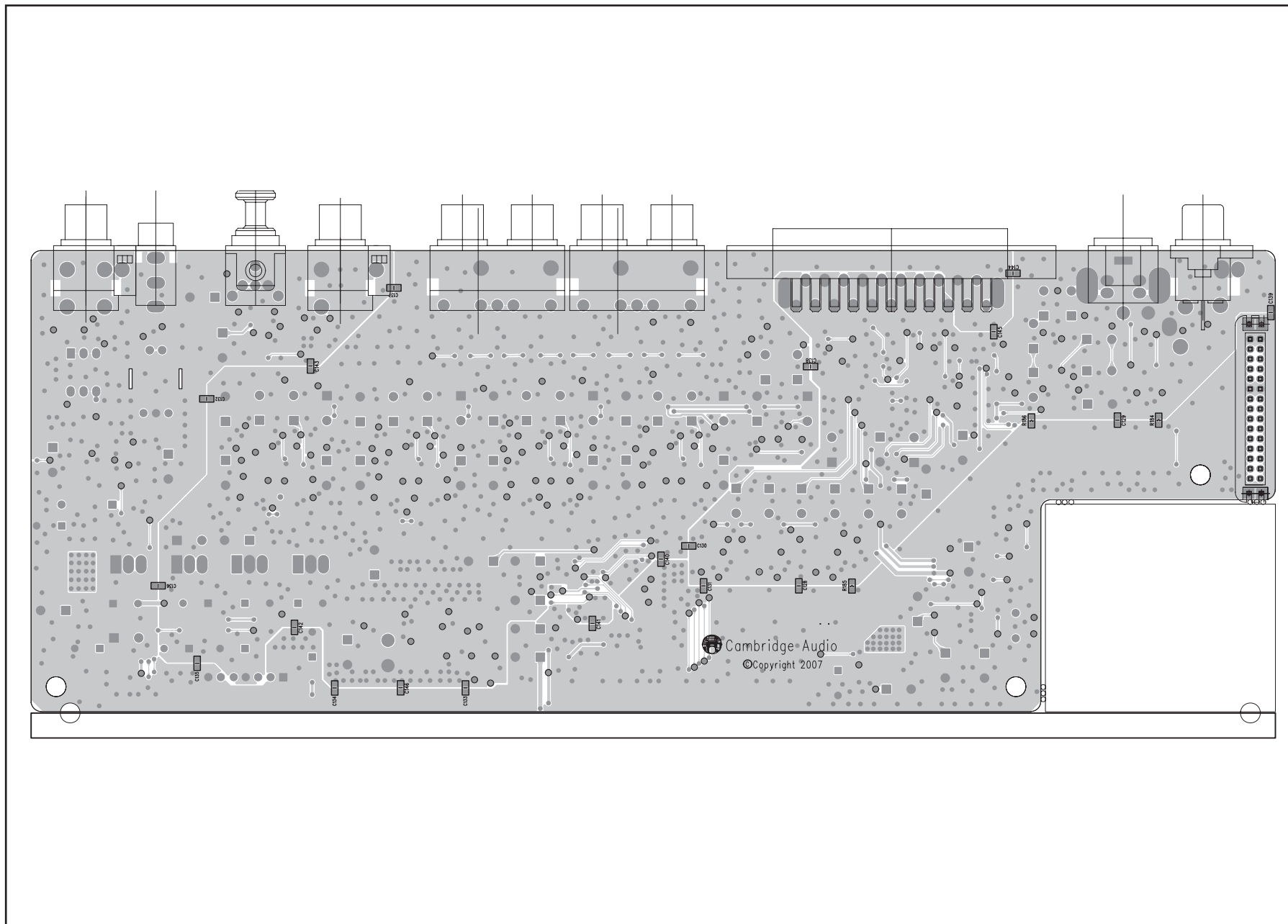
MPEG Decoder Circuit Board Layout (Rear Side)

Cambridge Audio 540D v2



Output Circuit Board Layout

Cambridge Audio 540D v2



Output Circuit Board Layout (Rear)

Input / Output Connections Diagram

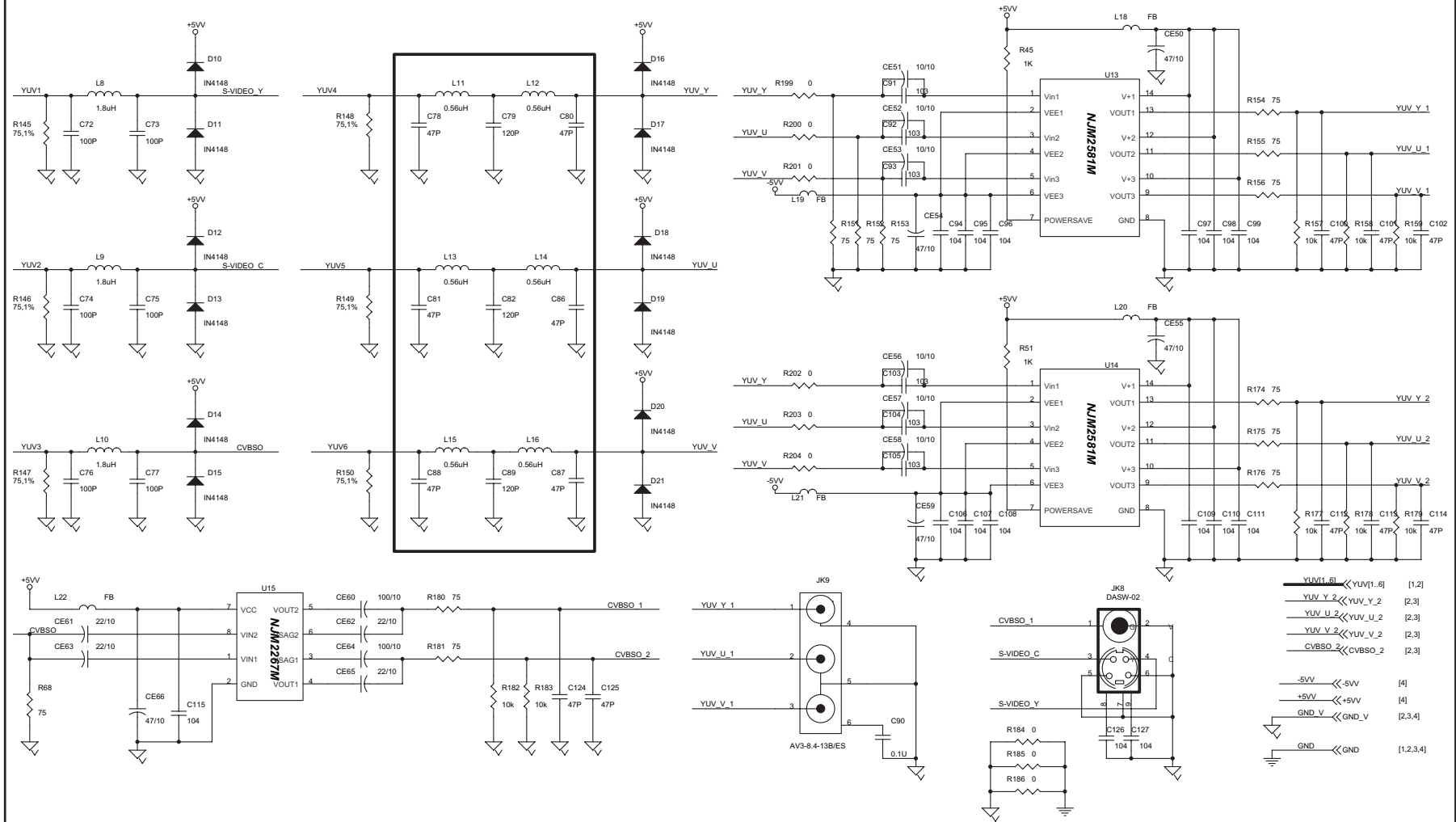
© Copyright Audio Partnership 2007



Cambridge Audio 540D v2

*Design and specifications are subject to change without notice.

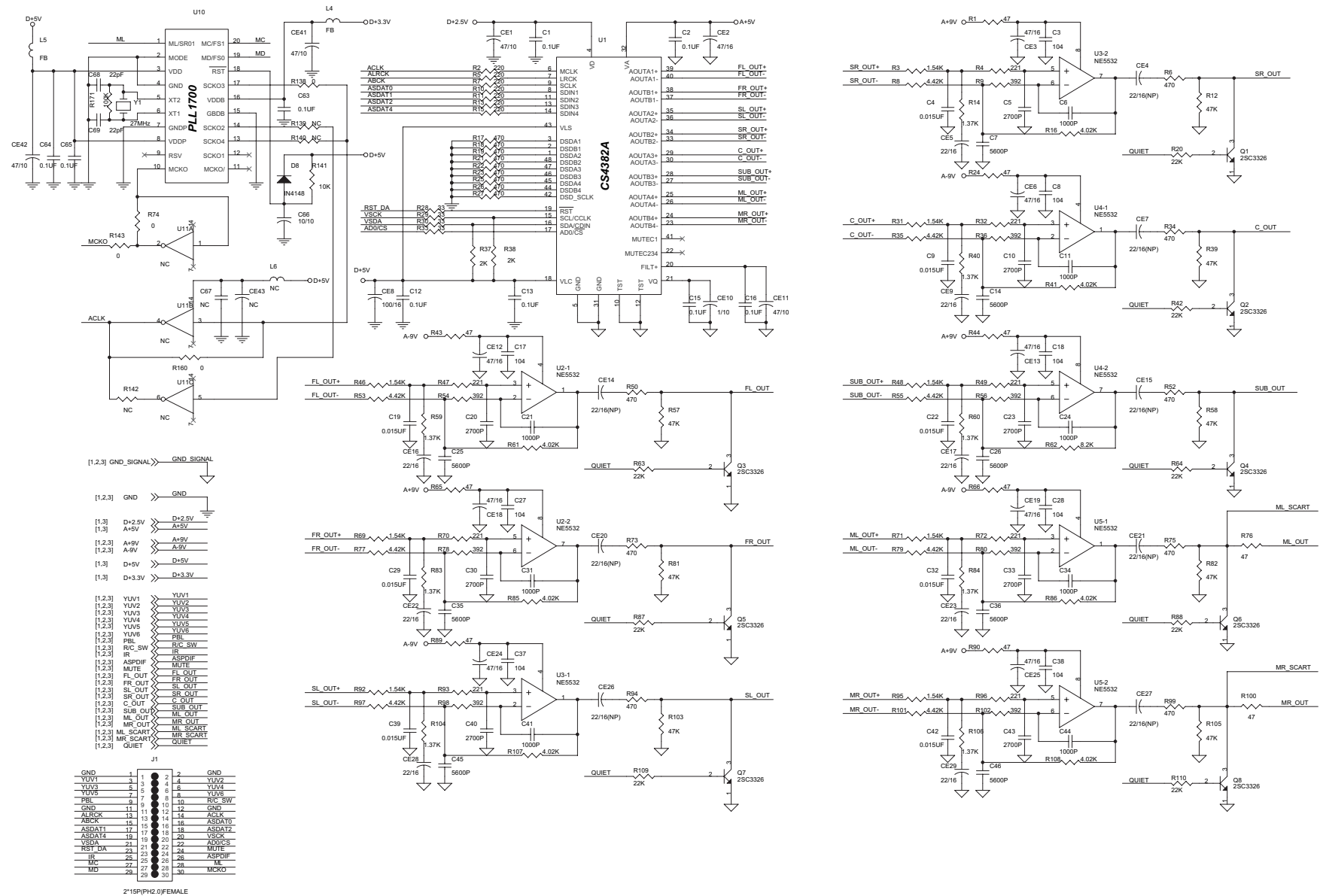
© Copyright Audio Partnership 2007



Cambridge Audio 540D v2

*Design and specifications are subject to change without notice.

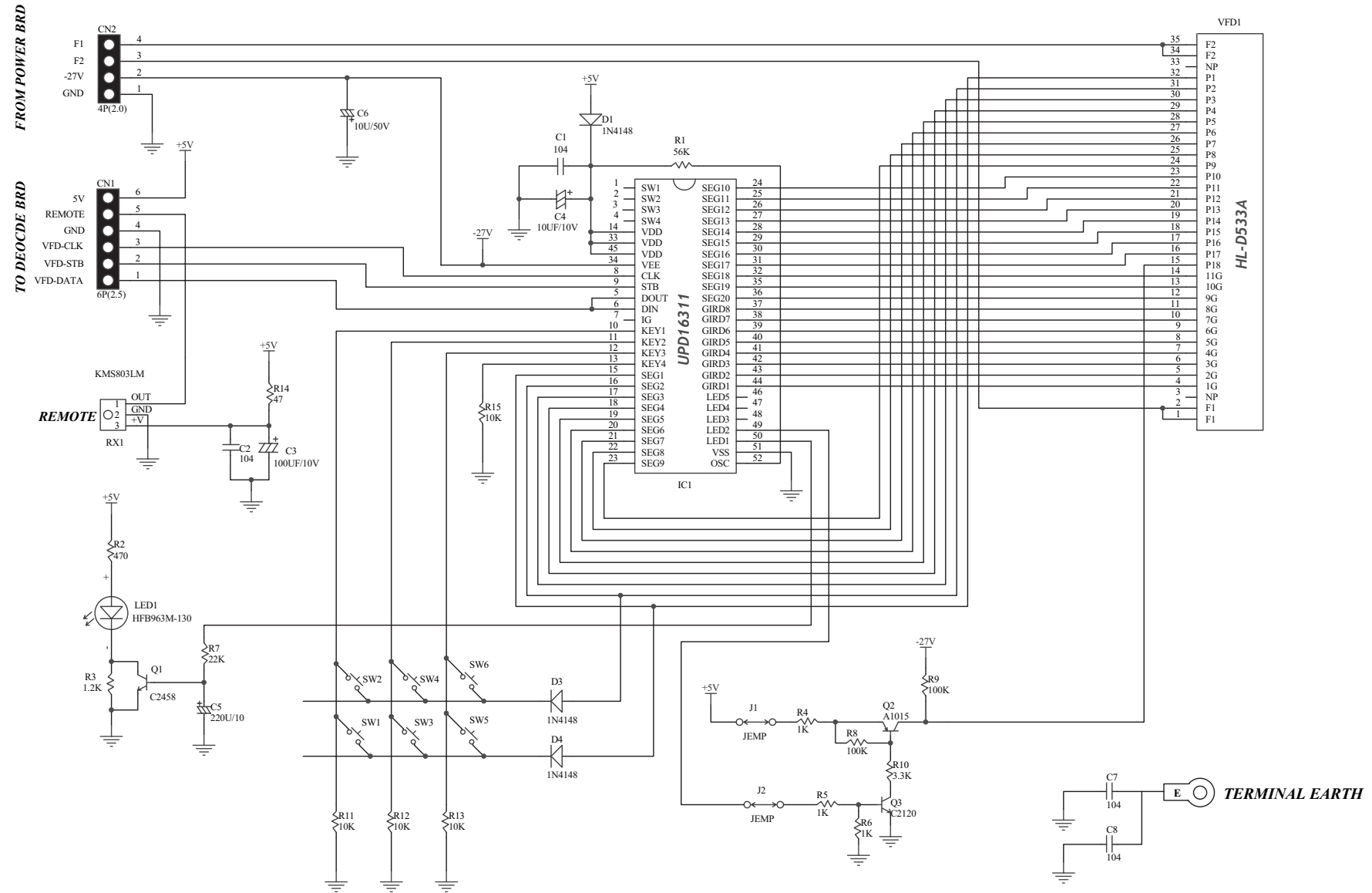
© Copyright Audio Partnership 2007



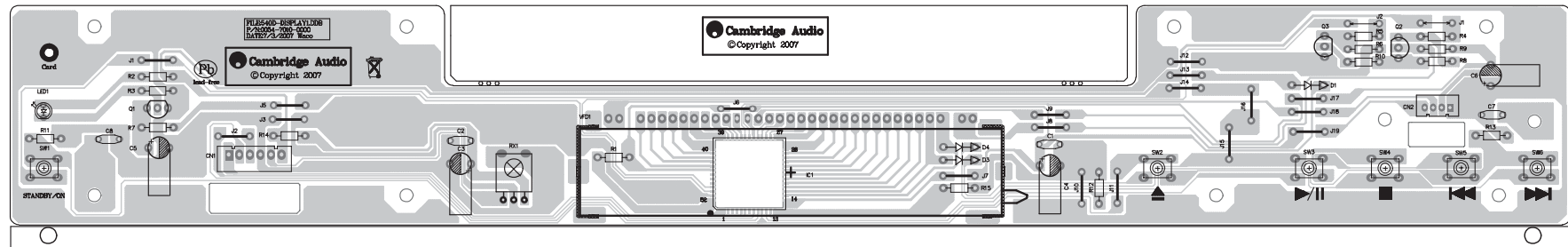
Cambridge Audio 540D v2

*Design and specifications are subject to change without notice.

© Copyright Audio Partnership 2007



Cambridge Audio 540D v2



Front Panel Circuit Board Layout

Cambridge Audio 54D v2

Bill of Material for Decode.Bom		
Quantity	Part	Reference
=====	=====	=====
1	MT1392E HDMI TX PROCESSOR	U10
1	MT1389DE/H	U2
1	BA5954	U3
1	BA6208F	U4
1	ESMT M12L64164A-7T	U5
1	EEPROM 24C02	U6
1	AT49BV163A	U7
1	AMS1117-ADJ SOT-223	U8
1	CM2020	U9
2	2SA1162	Q7 Q6
2	2SB1132	Q4 Q5
1	2SC3326	Q1
2	2SK3018	Q2 Q3
1	IN4148	D1
1	1N4001	D2
20	FB	L1 L6 L9 L10 L11 L12 L14 L17 L28 L29 L30 L31 L32 L33 L34 L35 L36 L37 L38 L39
2	10uH	L13 L15
1	47uH	L8
1	150uH	L7
2	4P(2.0)	J13 J12
1	5P(2.0)	J3
1	6P(2.0)	J2
2	6P(2.5)	J14 J15
2	2PH(2.5)	CN1 CN2
1	HEADER 24 SMD0.5 TOP	HA1
1	2*15P(PH2.0)FEMALE	J18
2	2*15P(PH2.0)PIN	J16 J17
1	HDMI 5300-X19-031-XX	JK1
6	33x4	RN1 RN2 RN3 RN4 RN5 RN6
19	0	R1 R5 R9 R21 R24 R30 R31 R59 R60 R61 R74 R76 R86 R92 R93 R97 R99 R102 R107
5	1	R20 R35 R36 R37 R38
2	4.7	R33 R34
1	6.8	R16
1	10	R72
2	22	R68 R69
4	33	R55 R56 R57 R58
3	100	R2 R3 R4
1	220	R78
1	470	R77
1	510	R85
3	560	R23 R80 R81
3	1K	R25 R53 R54
5	4.7K	R64 R65 R66 R90 R91
14	10K	R22 R27 R28 R42 R44 R46 R48 R49 R50 R51 R52 R62 R67 R98
5	15K	R15 R41 R70 R71 R89
1	18K	R40
4	20K	R39 R43 R45 R47
3	47K	R82 R83 R84
4	100K	R10 R11 R26 R29
2	150K	R12 R13
2	680K	R14 R8
1	750K	R7
2	20PF/50V	C9 C92
1	22PF/50V	C161
2	100PF/50V	C107 C130

Cambridge Audio 540D v2

2	150PF/50V	C43 C42
2	330PF/50V	C38 C39
1	390PF/50V	C2
1	1000PF/50V	C15
3	2200PF/50V	C3 C14 C7
2	5600PF/50V	C154 C54
74	0.1UF/50V	C5 C8 C12 C18 C21 C25 C26 C34 C35 C37 C40 C44 C26 C34 C35 C37 C40 C44 C45 C47 C49 C51 C55 C58 C59 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C82 C84 C86 C87 C88 C90 C94 C96 C97 C98 C99 C100 C101 C102 C103 C104 C139 C140 C141 C142 C143 C144 C145 C146 C147 C148 C149 C150 C151 C152 C153 C155 C156 C157 C129 C134 C136 C138
1	4.7UF/50V	C19
1	0.01UF/50V	C6
1	0.015UF/50V	C41
1	0.033UF/50V	C22
2	0.047UF/50V	C24 C23
11	47UF/10V	C46 C48 C50 C52 C53 C56 C57 C78 C93 C105 C106
4	100UF/10V	C60 C81 C85 C132
4	220UF/10V	C131 C133 C135 C137
1	1000UF/10V	C83
2	10UF/16V	C11 C10
1	100UF/16V	C95

Bill of Material for Display.Bom

Used	Part Type	Designator Description
1	UPD16311	IC1
1	A1015	Q2
1	C2458	Q1
1	C2120	Q3
3	1N4148	D1 D3 D4
1	KMS803LM	RX1
1	HL-D533A	VFD1
1	4P PLUG TO HOUSING W/UL L=120mm 2.0	CN2
1	6P PLUG TO HOUSING W/UL L=380mm 2.5	CN1
2	JEMP	J1 J2
1	HFB963M-130	LED1
1	47	R14
1	470	R2
3	1K	R4 R5 R6
1	1.2K	R3
1	3.3K	R10
4	10K	R11 R12 R13 R15
1	22K	R7
1	56K	R1
2	100K	R8 R9
4	0.1UF/50V	C1 C2 C7 C8
1	10UF/10V	C4
1	100UF/10V	C3
1	220UF/10V	C5
1	10UF/50V	C6

Bill of Material for Power.Bom

Used	Part Type	Designator
1	ICE 2A0565	IC1
1	TL431	IC2

Cambridge Audio 540D v2

1	LTV817A	IC3
4	1N4007	D1 D2 D3 D4
1	1N4148	D12
2	1N5401	D15 D16
1	16V0.5W	D5
6	FR107	D6 D7 D8 D9 D10 D11
1	SR360	D13
1	5.6V	D14
2	100uH	L1 L4
2	10uH	L2 L3
1	BCK-1045A	T1
1	ET20 (SG01323)	T2
1	4P(2.0)	CN1
1	13P HOUSING TO 6P PLUG L=380mm & 7P PLUG L=280mm 2.5	CN2
2	2P7.92	CN4 CN5
1	T1AL 250V	F1
2	1R	R8 R9
2	22R	R3 R4
1	100R	R11
1	150R	R15
1	470R	R10
2	4.7K	R7 R14
2	10K	R12 R13
2	200K	R1 R2
1	47K/2W	R5
1	2.2R/0.5W	R6
1	0.022UF/1KV	C14
1	221M/X1/400V/Y1/250V	C27
1	0.1/275VAC	C4
1	0.22/275V AC	C3
7	0.1UF/50V	C7 C8 C9 C10 C11 C12 C13
1	0.01UF/50V	C25
1	1000PF/50V	C26
3	220UF/16V	C21 C22 C23
1	1000UF/16V	C28
4	470UF/25V	C17 C18 C19 C20
1	1UF/50V	C24
3	47UF/50V	C6 C15 C16
1	33UF/400V	C5

Bill of Material for AC IN.Bom

Used	Part Type	Designator
1	2P(7.92)	CN1
1	TU-301-AP-AE-AD4	CN2

Bill Of Materials Output.bom

Quantity	Part	Reference
1	CS4382A	U1
1	PLL1700	U10
1	AMS1117-3.3 SOT-223	U12
2	NJM2581M	U14 U13
1	NJM2267M	U15
1	7808	U17
1	7908	U18
1	7805	U19
5	NE5532	U2 U3 U4 U5 U16
1	7905	U20

Cambridge Audio 540D v2

1	74HCU04	U6
1	OP4N35	U7
1	74AC00SC	U8
1	AMS1117-Adj SOT-223	U9
17	IN4148	D1 D2 D3 D4 D8 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D21
1	1N4001	D5
1	SIR-563ST3F	D6
16	2SC3326	Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q12 Q13 Q14 Q16 Q17 Q18 Q19
3	2SA1162	Q10 Q11 Q15
1	27MHz	Y1
1	KS-9803LM	RF1
1	FB	L1 L2 L3 L4 L5 L17 L18 L19 L20 L21 L22
6	0.56uH	L11 L12 L13 L14 L15 L16
3	1.8uH	L8 L9 L10
1	2*15P(PH2.0)FEMALE	J1
2	2PH(2.5)	CN1 CN2
1	7P(2.5)	J3
2	AV4-8.4-13/EC	JK2 JK1
1	AV-8.4-8/ES	JK3
1	GP1F32T	JK4
1	RCA-207E	JK5
1	PJ-308	JK6
1	CS-105/PB	JK7
1	DASW-02	JK8
1	AV3-8.4-13B/ES	JK9
10	0	R138 R140 R143 R184 R185 R186 R193 R194 R195 R196
21	75	R125 R151 R152 R153 R154 R155 R156 R160 R172 R173 R174 R175 R176 R180 R181 R199 R200 R201 R202 R203 R204
1	2.2	R133
1	22	R128
4	33	R28 R29 R30 R33
22	47	R1 R6 R24 R34 R43 R44 R50 R52 R65 R66 R67 R73 R75 R76 R89 R90 R91 R94 R99 R100 R187 R192
3	100	R124 R131 R167
9	220	R2 R5 R7 R10 R11 R13 R15 R129 R136
8	221	R4 R32 R47 R49 R70 R72 R93 R96
1	330	R126
8	392	R9 R36 R54 R56 R78 R80 R98 R102
12	470	R17 R18 R19 R21 R22 R23 R25 R26 R27 R113 R134 R135
3	1K	R120 R163 R168
2	2K	R38 R37
8	1.37K	R14 R40 R59 R60 R83 R84 R104 R106
1	1.8K	R116
8	1.54K	R3 R31 R46 R48 R69 R71 R92 R95
1	3.3K	R169
7	4.02K	R16 R41 R61 R85 R86 R107 R108
8	4.42K	R8 R35 R53 R55 R77 R79 R97 R101
1	4.7K	R197
1	8.2K	R62
26	10K	R20 R42 R63 R64 R87 R88 R109 R110 R111 R118 R130 R132 R137 R141 R144 R157 R158 R159 R170 R177 R178 R179 R182 R183 R188 R190
1	12K	R112
5	22K	R114 R119 R164 R165 R166
1	33K	R117
12	47K	R12 R39 R57 R58 R81 R82 R103 R105 R161 R162 R189 R191
2	100K	R122 R121
2	220K	R198 R115
1	1M	R127

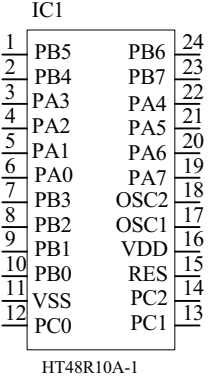
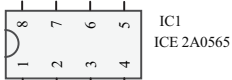
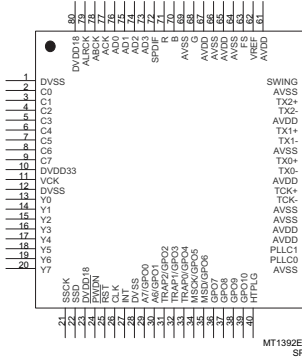
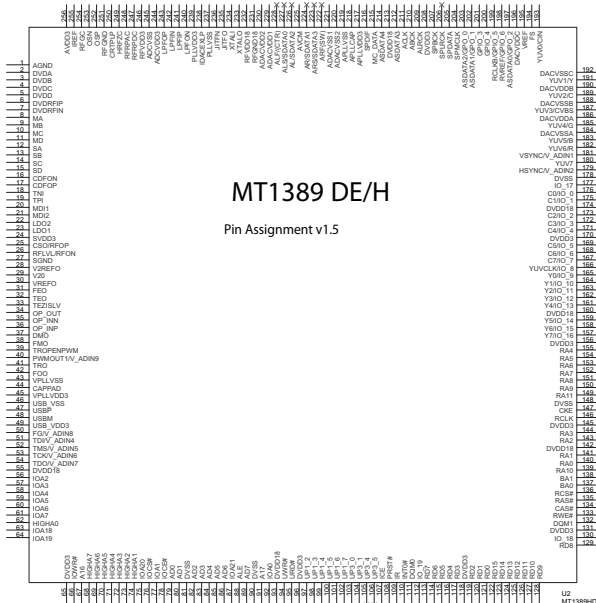
Cambridge Audio 540D v2

1	10M	R123
6	75,1%	R145 R146 R147 R148 R149 R150
4	10/0.25W	R45 R51 R68 R74
2	22PF/50V	C69 C68
1	27PF/50V	C55
14	47PF/50V	C78 C80 C81 C86 C87 C88 C100 C101 C102 C112 C113 C114 C124 C125
3	120PF/50V	C79 C82 C89
10	330PF/50V	C83 C84 C116 C117 C118 C119 C120 C121 C122 C123
8	100PF/50V	C53 C52 C72 C73 C74 C75 C76 C77
8	1000PF/50V(ECHU)	C6 C11 C21 C24 C31 C34 C41 C44
1	1000PF/50V	C59
8	2700PF/50V(ECHU)	C5 C10 C20 C23 C30 C33 C40 C43
8	5600PF/50V(ECHU)	C7 C14 C25 C26 C35 C36 C45 C46
62	0.1UF/50V	C1 C2 CB5 CB6 CB7 CB8 CB10 CB11 CB12 C12 CB13 C13 CB14 CB15 C15 CB16 C16 CB17 C51 C56 C58 C60 C62 C63 C64 C65 C85 C47 C48 C49 C50 C54 C90 CB1 CB2 CB3 C3 C8 CB9 C17 C18 C27 C28 C37 C38 C70 C71 C94 C95 C96 C97 C98 C99 C106 C107 C108 C109 C110 C111 C115 C126 C127
6	0.01UF/50V	C91 C92 C93 C103 C104 C105
8	0.015UF/50V(ECHU)	C4 C9 C19 C22 C29 C32 C39 C42
2	1UF/50V	C61 C57
1	1UF/10V	CE10
7	10UF/10V	CE51 CE52 CE53 CE56 CE57 CE58 C66
9	47UF/10V	CE1 CE11 CE41 CE42 CE50 CE54 CE55 CE59 CE66
4	100UF/10V	CE39 CE48 CE60 CE64
4	220UF/10V	CE37 CE44 CE45 CE46
3	10UF/16V	CE33 CE34 CE40
10	22UF/16V(NP)	CE4 CE7 CE14 CE15 CE20 CE21 CE26 CE27 CE68 CE69
12	47UF/16V	CE2 CE3 CE6 CE12 CE13 CE18 CE19 CE24 CE25 CE32 CE67 CE70
1	100UF/16V	CE8
3	220UF/16V	CE35 CE36 CE49
4	10UF/22V	CE61 CE62 CE63 CE65
4	100UF/25V	CE71 CE74 CE76 CE78
3	470UF/25V	CE72 CE73 CE75
1	220UF/25V	CE77
1	1000UF/25V	CE30
9	22UF/16V	CE5 CE9 CE16 CE17 CE22 CE23 CE28 CE29 CE31

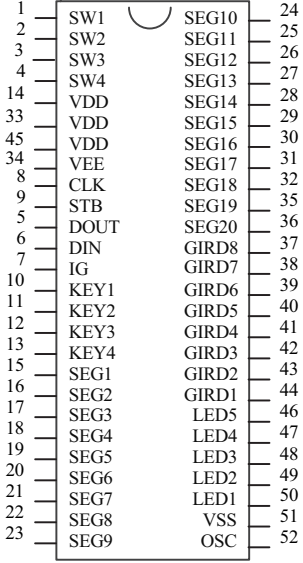
Cambridge Audio 540D v2

MT1389 DE/H

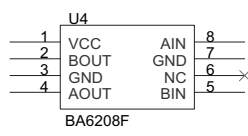
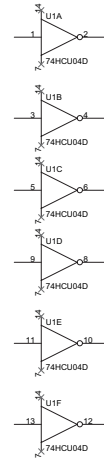
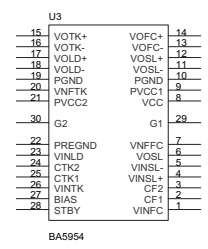
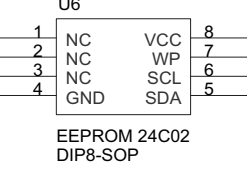
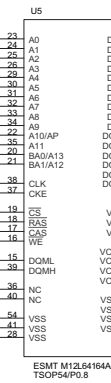
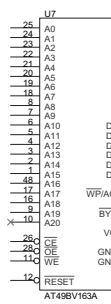
Pin Assignment v1.5



UPD16311



IC1



HL-D533A

VFD1

