

Service
Service
Service



Version: 1.0

Service Manual



CONTENTS

	Page
1 Technical specifications	2
2 Warnings	2
3 Service hints	3
4 Revision information	3
5 Dismantling instruction and exploded view	4
6 Block- and wiring diagram	6
7 Electrical diagrams and print-layouts	8
Power board	8
MPEG board.....	10
Front board	16
8 Spare parts list DVD730K/691	18
9 Spare parts list DVD730K/751	22
10 Spare parts list DVD730K/781	26
 Appendix	
1 Instruction for use	30

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GB 3122 785 11880



PHILIPS

1. Technical Specifications

DVD707 / 751781782

Specifications



Playback System

- DVD-Video
- Super VCD
- Video CD
- Audio CD
- MP3-CD
- CD-R, CD-RW

DVD Disc Format

Medium:	Optical disc								
Diameter:	12cm (8cm)								
Playing time(12cm)	<table border="1"> <tr> <td>One layer</td> <td>2.15h¹</td> </tr> <tr> <td>Dual layer</td> <td>4 h¹</td> </tr> <tr> <td>Two side, single layer</td> <td>4.30h¹</td> </tr> <tr> <td>Two side, dual layer</td> <td>8 h¹</td> </tr> </table>	One layer	2.15h ¹	Dual layer	4 h ¹	Two side, single layer	4.30h ¹	Two side, dual layer	8 h ¹
One layer	2.15h ¹								
Dual layer	4 h ¹								
Two side, single layer	4.30h ¹								
Two side, dual layer	8 h ¹								

TV System	PAL	NTSC
	50Hz	60Hz
Number of lines	625	525
Playback	PAL/NTSC	

Video Format

- DA Converter 10bit
- Signal handing Components
- Digital Compression MPEG2 for DVD
MPEG1 for VCD

DVD	50Hz	60Hz
Horiz. resolution	720 pixels	720 pixels
Vertical resolution	576 lines	480 lines
VCD	50Hz	60Hz
Horiz. resolution	352 pixels	352 pixels
Vertical resolution	288 lines	240 lines

Video Performance

- Video output: 1V_{pp} into 75 Ohm
- S-Video output Y: 1V_{pp} into 75 Ohm
C: 0.3V_{pp} into 75 Ohm
- Component Video output
 - Y 1V_{pp} into 75 Ohm
 - CR 0.7V_{pp} into 75 Ohm
 - CB 0.7V_{pp} into 75 Ohm

Audio Performance

DVD:	Fs 96 kHz	4 Hz- 44 kHz
	Fs 48 kHz	4 Hz- 22 kHz
Video CD:	Fs 48 kHz	4 Hz- 20 kHz
CD:	Fs 44.1 kHz	4 Hz- 20 kHz

- DA Converter 24bit
- S/N (1KHz) >90dB
- Dynamic range(1KHz) >80dB

Audio Format

Mpeg/ AC-3/ DTS PCM	Compressed Digital, 16, 20, 24 bits fs, 44.1, 48, 96 kHz
---------------------	--

- Analog Sound Stereo
- Dolby digital multichannel surround sound
- Dolby digital downmix 2 channel

Connections

- YUV Video Output Cinch 3x
- S-Video Output Mini DIN 4-pins
- Video Output Cinch 1x
- Audio Output(5.1) Cinch 1x
- Audio Output(L+R) Cinch 1x
- Digital Audio Output Coaxial 1x

Power Supply

- Power Inlet: 110~240V
50,60Hz
- Power Usage: <25W

Cabinet

- Dimensions: 435x92x320mm
(WxHxD)
- Weight: estimated 3.8Kg

Package Contents

- DVD-Video player
- Remote Control with batteries
- Instructions for Use
- Audio Cord
- Video Cord

General

- Stop/Play/Pause
- Fast Forward/Backward
- Time Search
- Slow Forward
- Step Forward
- Title/Chapte/Track Select
- Next/Previous
- Repeat(Title/Chapter/Track/All)
- A-B Repeat

DVD Functionality

- Multi-Angle Selection
- Audio Selection(1 of max. 8 Languages)
- Subtitle Selection(1 of max. 32 Languages)
- Aspect Ratio conversion (16:9, 4:3Letterbox, 4:3Panscan)
- Parental Control
- Disc Menu support(title menu/root menu)
- Programming with Favourite Selection

VCD Functionality

- Playback Control for VCD2.0 discs
- Disc Lock
- Programming with Favourite Selection
- Multiple Sound Effect

CD Functionality

- Time Display(All/Track/Remaining Track Time)
- Full audio functionality with remote control
- Programming with Favourite Selection

2. Warnings

GB WARNING

All ICs and many other semiconductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically. When repairing, make sure that you are connected with the same potential as the mass of the set via a wristband with resistance. Keep components and tools at this potential.



F ATTENTION

Tous les IC et beaucoup d'autres semi-conducteurs sont sensibles aux dcharges statiques (ESD). Leur longvite pourrait tre considrablement court par le fait quaucun prcaution nst prise leur manipulation. Lors de rparations, s'assurer de bien tre reli au mme potentiel que la masse de l'appareil et enlever le bracelet serti d'une ristance de scurit. Veiller ce que les composants ainsi que les outils que l'on utilise soient galement ce potentiel.

D WARNUNG

Alle ICs und viele andere Halbleiter sind empfindlich gegen ber elektrostatischen Entladungen (ESD). Unsrorgf lge Behandlung im Reparaturfall kann die Lebensdauer drastisch reduzieren. Sorgen Sie daf r, da Sie im Reparaturfall ber ein Puls-armband mit Widerstand mit dem Massepotential des Ger tes verbunden sind. Halten Sie Bauteile und Hilfsmittel ebenfalls auf diesem Potential.

NL WAARSCHUWING

Alle IC's en vele andere halfgeleiders zijn gevoelig voor electrostatische ontladingen (ESD). Onzorgvuldig behandelen tijdens reparatie kan de levensduur drastisch doen verminderen. Zorg ervoor dat u tijdens reparatie via een polsband met weerstand verbonden bent met hetzelfde potentiaal als de massa van het apparaat. Houd componenten en hulpmiddelen ook op ditzelfde potentiaal.

I AVVERTIMENTO

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD). La loro longevit potrebbe essere fortemente ridatta in caso di non osservazione della pie grande cauzione alla loro manipolazione. Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa del/Epparecchio tramite un braccialeto a resistenza. Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

GB

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used. Safety components are marked by the symbol

SAFETY



F

Les normes de scurit exigent que l'appareil soit remis l'etat d'origine et que soient utilis les pi ces de rechange identiques celles spcifies. Les composants de scurit sont marqu s.

D

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand des Ger tes darf nicht ver ndert werden. F r Reparaturen sind Originalersatzteile zu verwenden. Sicherheitsbauteile sind durch das Symbol markiert.

NL

Veiligheidsbepalingen vereisen, dat het apparaat in zijn oorspronkelijke toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde, worden toegepast. De Veiligheidsonderdelen zijn aangeduid met het symbool

I

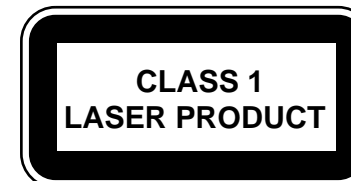
Le norme di sicurezza estigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati i pezzi di ricambio identici a quelli specificati. Componenti di sicurezza sono marcati con

GB

After servicing and before returning the set to customer perform a leakage current measurement test from all exposed metal parts to earth ground, to assure no shock hazard exists. The leakage current must not exceed 0.5mA.

GB

DANGER: Invisible laser radiation when open. AVOID DIRECT EXPOSURE TO BEAM.



S

Varning ! Osynlig laserstr lning n r apparaten r p pnd och sp rren r urkopplad. Betrakta ej str len.

F

"Pour votre scurite, ces documents doivent tre utilis s pa des spcialistes agrs, seuls habilit s rparer votre appareil en panne".

Advarsel !

Usynlig laserstr lning ved bning n r sikkerhedsafbrydere er ude af funktion. Undg udsaetelse for str lning.

FIN Varoitus !

Avatussa laitteessa ja suojalukituksen ohitettaessa olet alttiina n kym tt m lle laseris teilylle. T katso s teeseen !

Warning for powersupply on primary side

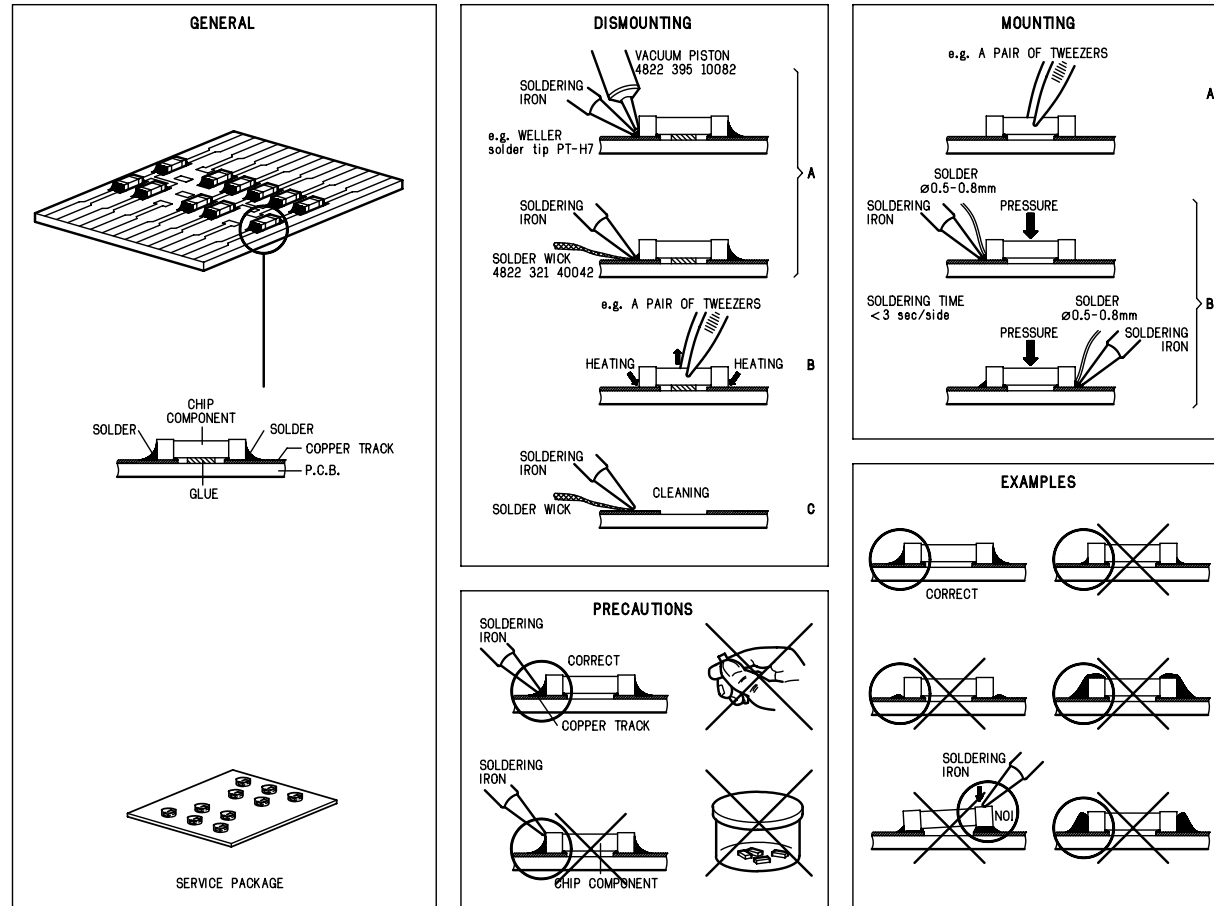
The primary side of the powersupply including the heatsink carries live mains voltage when the player is connected to the mains even when the player is switched off !

This primary area is not shielded so it is possible to touch copper tracks and/or components when servicing the player. Service personnel have to take precautions to prevent touching this area or components in this area.

The primary side of the powersupply has been indicated with a stripe-marked printed on the printed wiring board.

3. Service hints

HANDLING CHIP COMPONENTS



4. Revision information

Service manual version: 1.0

Issue Date : 25th, October, 2001

Revision information: N/A

SERVICE TOOLS

Test discs

Audio signals disc -----4822 397 30184

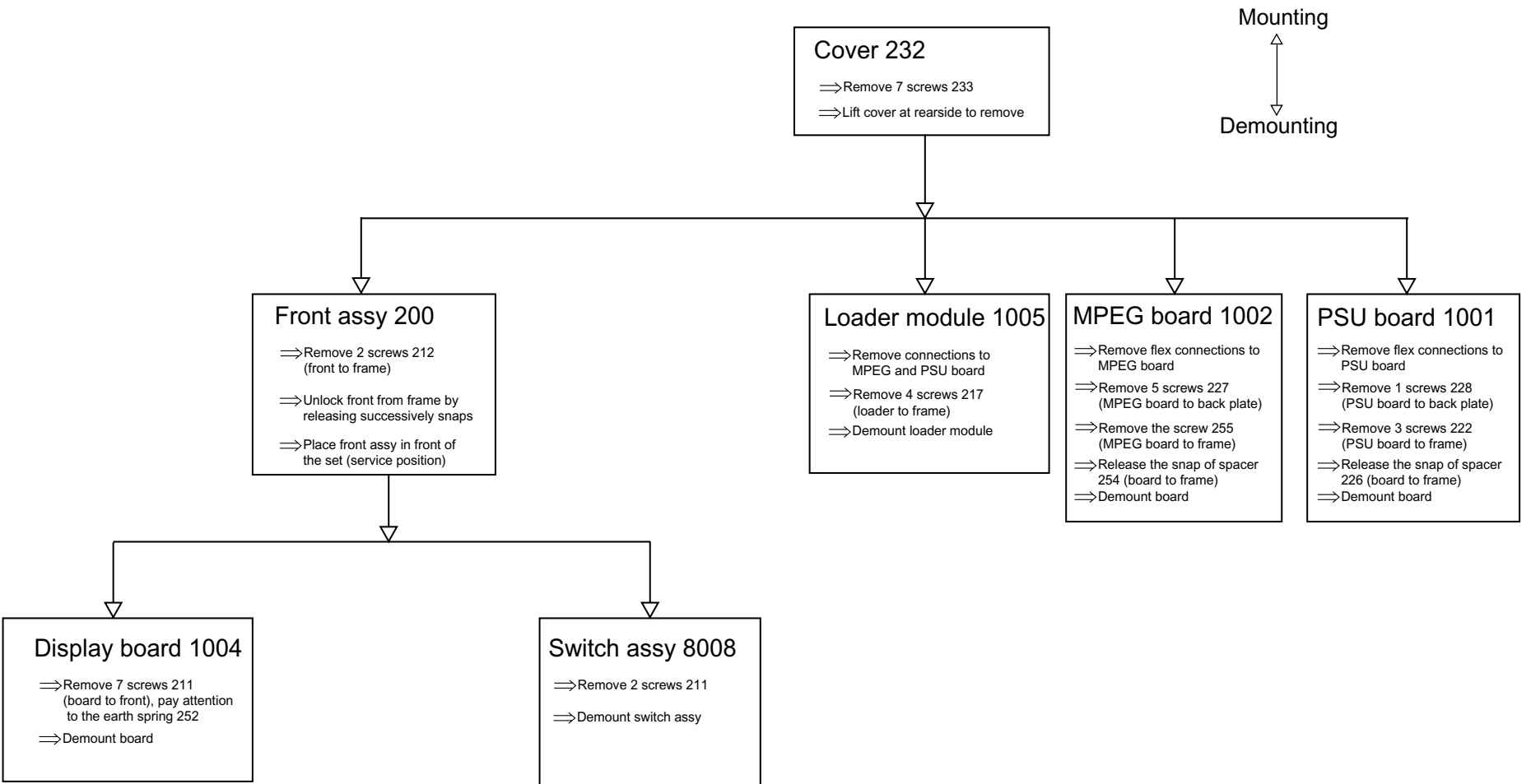
Torx screwdrivers

Set (straight, T2 to T20) -----4822 395 50145

Set (square, T10, T15, T20) -----4822 395 50132

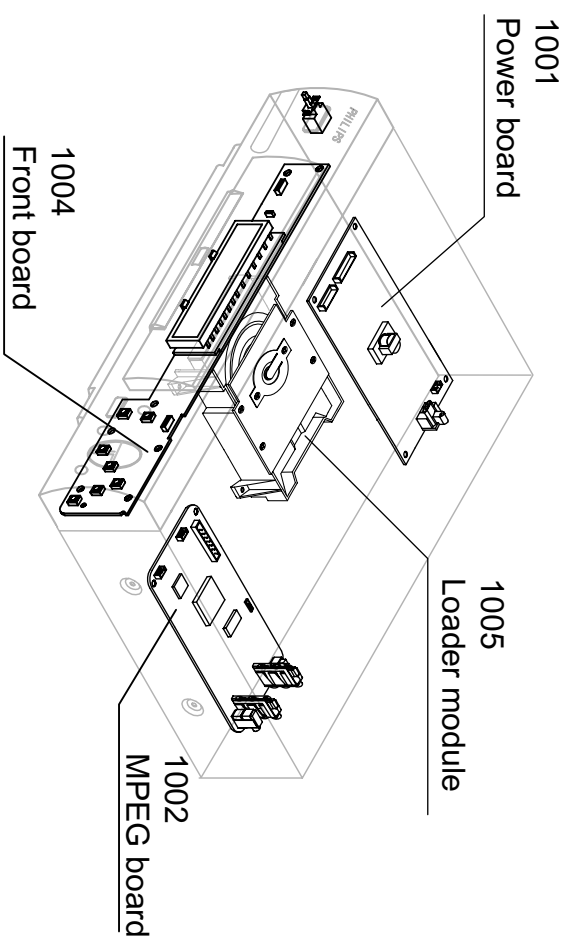
5. Dismantling instructions and exploded view

DISMANTLING INSTRUCTIONS DVD707/751/781/782
See exploded view for item numbers



5. Dismantling instructions and exploded view

PCB LOCATION DVD707/751/781/782



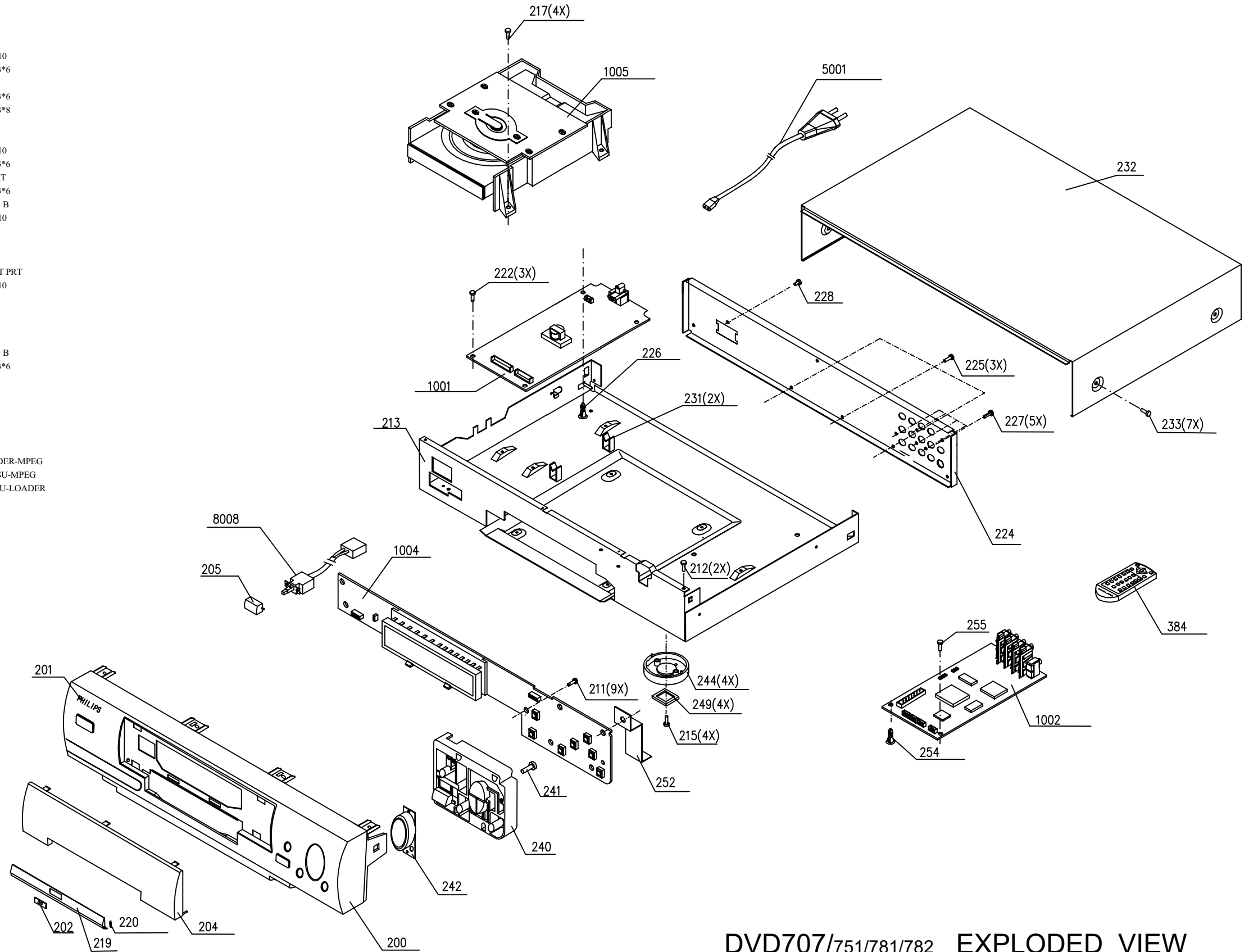
PARTS 12NC LIST

	DVD707/751	DVD707/781	DVD707/782
1001 PSU board	3141 018 02490	3141 018 02490	3141 018 02490
1002 MPEG board	3141 018 02540	3141 018 02480	3141 018 02480
1004 Front board	3141 018 02510	3141 018 02510	3141 018 02510
1005 Loader module	3141 018 02190	3141 018 02190	3141 018 02190

5. Dismantling instructions and exploded view

MECHANICAL PARTS LIST DVD707/781

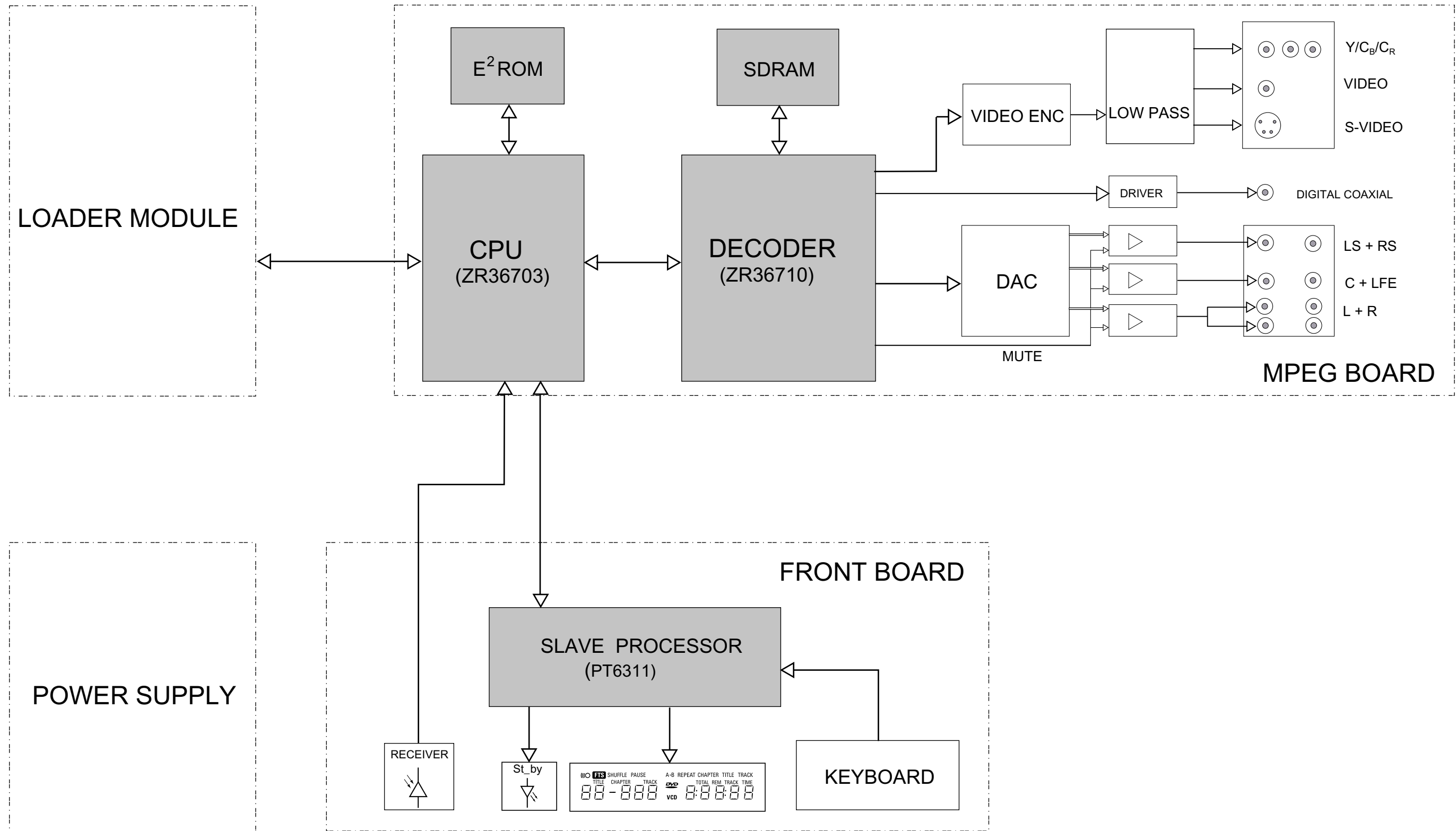
ITEM	QUANTITY	CODE NUMBER	DESCRIPTION
200	1	3141 017 75130	CAB FRONT DVD707 PNT PRT
201	1	3139 247 51830	BADGE PHILIPS ASSY SILVER
202	1	3139 240 00090	BADGE DVD SILVER2
204	1	3141 017 73990	WINDOW DVD728K PNT PRT
205	1	3141 017 75060	BUTTON POWER DVD729K PNT
211	9	2511 076 50013	SCR PAN TORX TAP ST ZN BK 3*10
212	2	2511 077 00039	SCR PAN TORX TAP ST ZN BK M3*6
213	1	3141 011 21160	FRAME DVD729K
215	4	2511 077 00039	SCR PAN TORX TAP ST ZN BK M3*6
217	4	2511 077 00041	SCR PAN TORX TAP ST ZN BK M3*8
219	1	3141 017 75500	DOOR DVD707/781 PNT PRT
220	1	3139 241 20110	DOOR SPRING
221	1	2511 076 50013	SCR PAN TORX TAP ST ZN BK 3*10
222	3	2511 077 00039	SCR PAN TORX TAP ST ZN BK M3*6
224	1	3141 017 75550	BACK PLATE DVD707/781 PNT PRT
225	3	2511 077 00039	SCR PAN TORX TAP ST ZN BK M3*6
226	1	2422 015 19105	SPACER LOCKING CARD NY 17.7 B
227	5	2511 076 50013	SCR PAN TORX TAP ST ZN BK 3*10
231	2	3139 114 28180	CABLE TIE
232	1	3141 017 75100	COVER TOP DVD729K PNT
233	7	2511 077 01039	SCR PAN TORX TAP ST NI M3*6
240	1	3141 017 75110	BUTTON CONTROL DVD729K PNT PRT
241	1	2511 076 50013	SCR PAN TORX TAP ST ZN BK 3*10
242	1	3141 017 75120	RING DVD729K PNT PRT
244	4	3139 244 00410	FOOT DVD711
249	4	3139 243 10010	CUSHION
250	1	3139 241 20090	EARTH PLATE HEADPHONE
254	1	2422 015 19105	SPACER LOCKING CARD NY 17.7 B
255	1	2511 077 00039	SCR PAN TORX TAP ST ZN BK M3*6
384	1	3141 017 90150	REMOTE CONTROL DVD707/781
1001	1	3141 018 02490	PBAS PSU DVD729K/031
1002	1	3141 018 02480	PBAS MPEG DVD707/781
1004	1	3141 018 02510	PBAS FRONT DVD707/781
1005	1	3141 018 02190	DVD LOADER MODULE A90H
5001	1	2422 070 98133	MAINS CORD EUR 1M5 BK B
8002	1	3141 010 20900	CWAS 40RK/40RK 230 28S LOADER-MPEG
8003	1	3141 010 20910	CWAS 08XH/08XH 500 26S PSU-MPEG
8006	1	3141 010 20850	CWAS 04XH/04LC 260 22S PSU-LOADER
8008	1	3141 010 21000	SWI ASSY 1X2.M7.92.290 18S



DVD707/751/781/782 EXPLODED VIEW

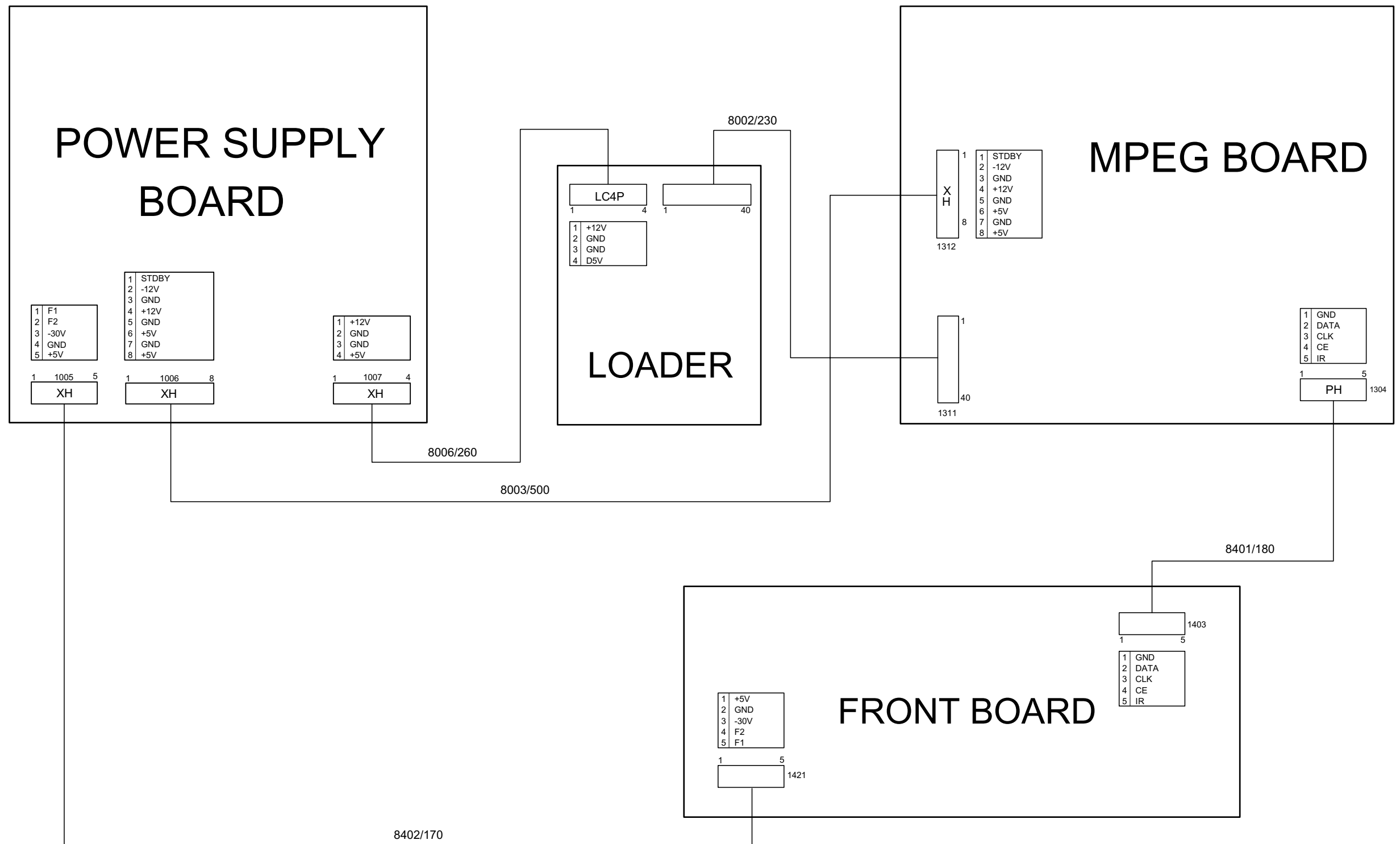
6. Block- and wiring diagram

Block diagram DVD707/751/781/782



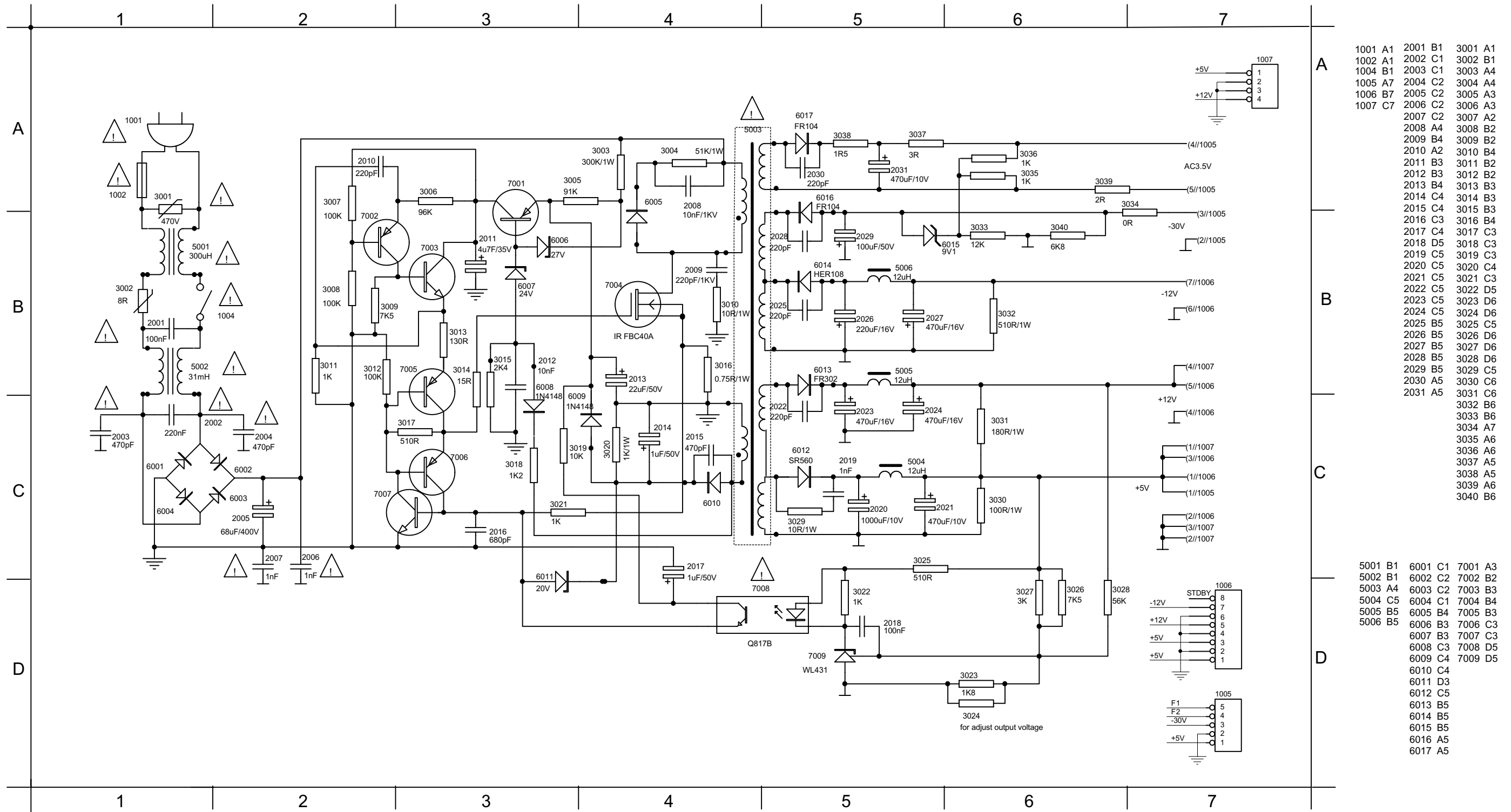
6. Block- and wiring diagram

Wiring diagram DVD707/751/781/782



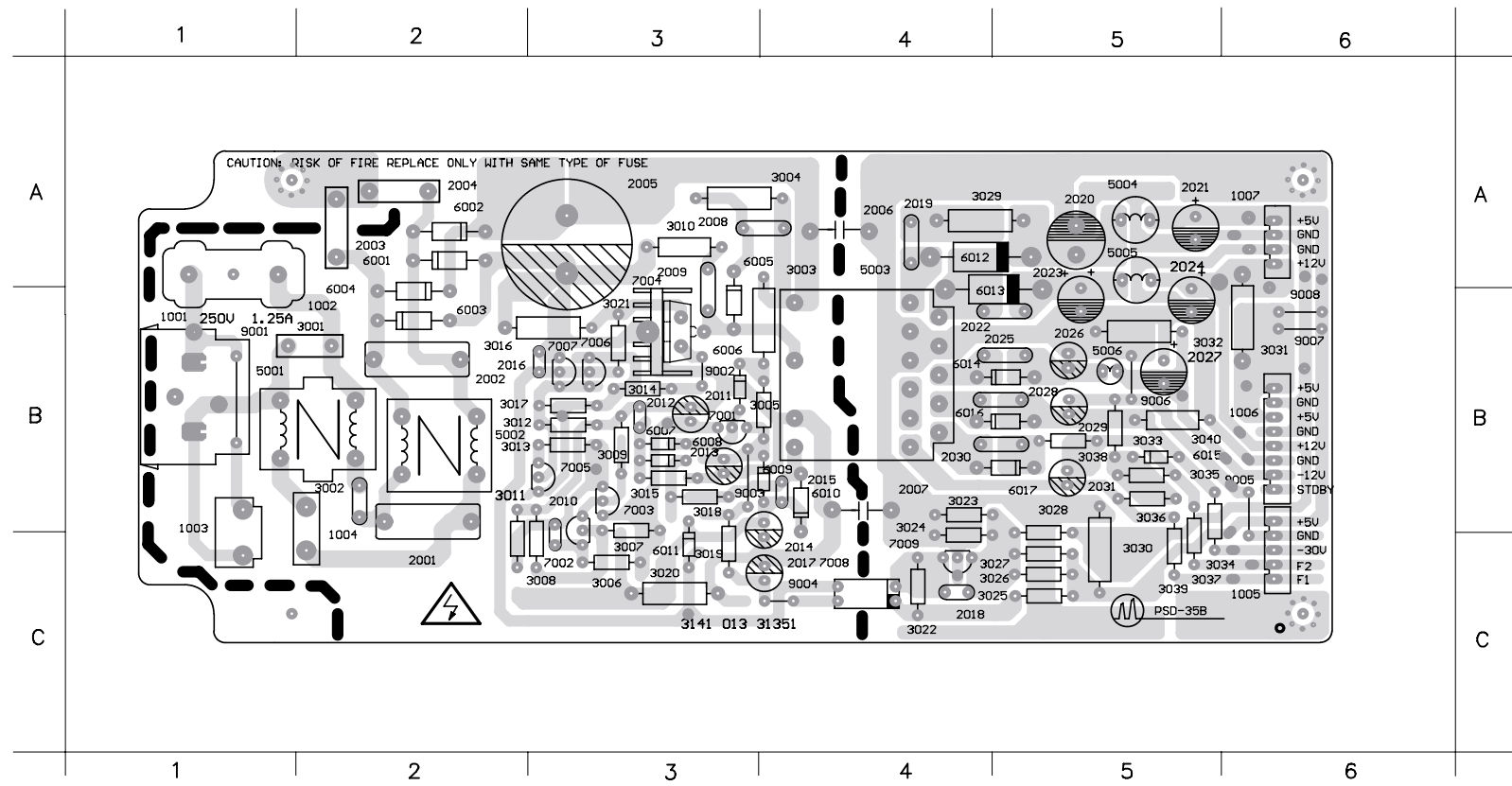
7. Electrical diagrams and Print-layouts

Power supply board DVD707/751/781/782

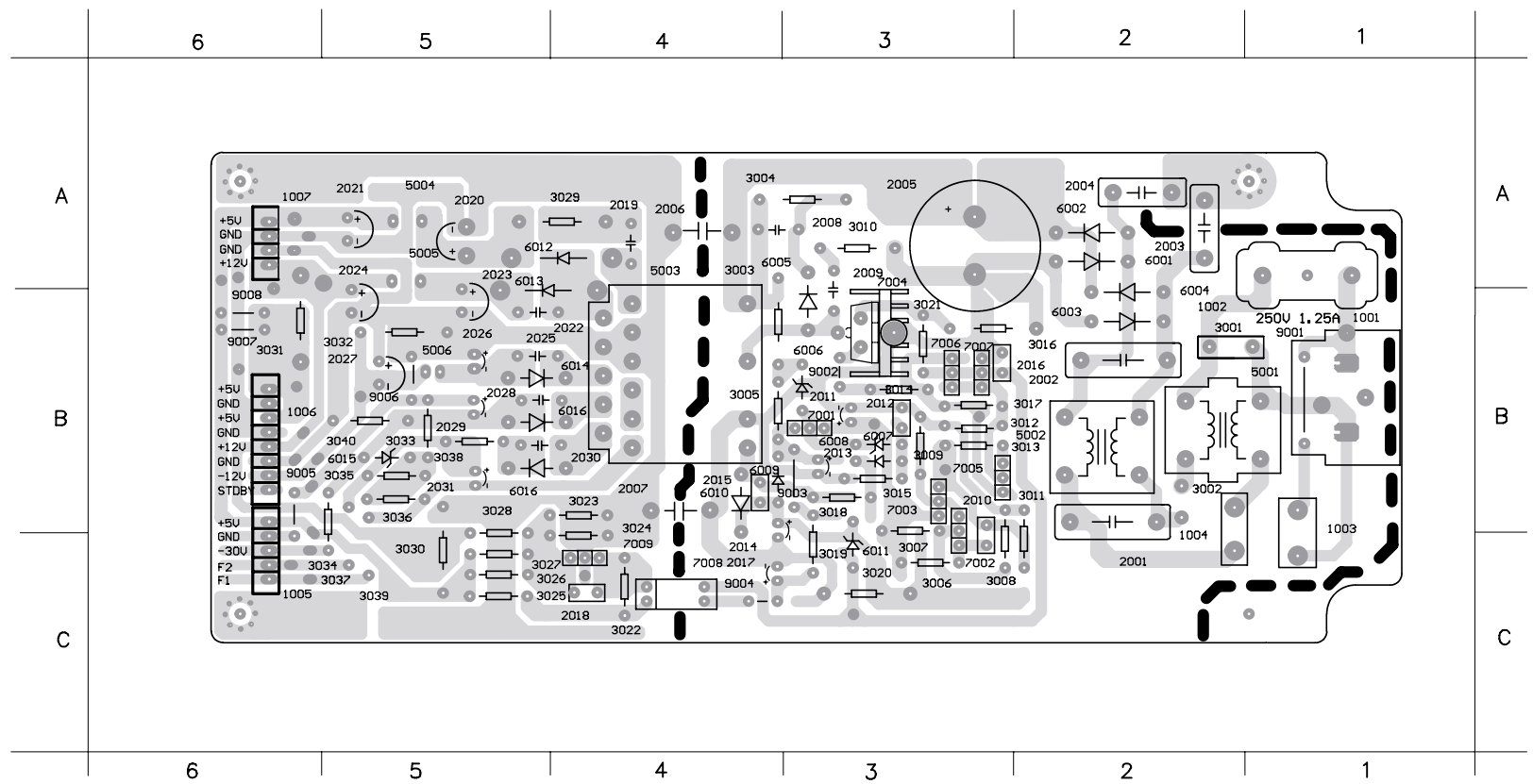


- | | | |
|---------|---------|---------|
| 1001 A1 | 2001 B1 | 3001 A1 |
| 1002 A1 | 2002 C1 | 3002 B1 |
| 1004 B1 | 2003 C1 | 3003 A4 |
| 1005 A7 | 2004 C2 | 3004 A4 |
| 1006 B7 | 2005 C2 | 3005 A3 |
| 1007 C7 | 2006 C2 | 3006 A3 |
| | 2007 C2 | 3007 A2 |
| | 2008 A4 | 3008 B2 |
| | 2009 B4 | 3009 B2 |
| | 2010 A2 | 3010 B4 |
| | 2011 B3 | 3011 B2 |
| | 2012 B3 | 3012 B2 |
| | 2013 B4 | 3013 B3 |
| | 2014 C4 | 3014 B3 |
| | 2015 C4 | 3015 B3 |
| | 2016 C3 | 3016 B4 |
| | 2017 C4 | 3017 C3 |
| | 2018 D5 | 3018 C3 |
| | 2019 C5 | 3019 C3 |
| | 2020 C5 | 3020 C4 |
| | 2021 C5 | 3021 C3 |
| | 2022 C5 | 3022 D5 |
| | 2023 C5 | 3023 D6 |
| | 2024 C5 | 3024 D6 |
| | 2025 B5 | 3025 C5 |
| | 2026 B5 | 3026 D6 |
| | 2027 B5 | 3027 D6 |
| | 2028 B5 | 3028 D6 |
| | 2029 B5 | 3029 C5 |
| | 2030 A5 | 3030 C6 |
| | 2031 A5 | 3031 C6 |
| | | 3032 B6 |
| | | 3033 B6 |
| | | 3034 A7 |
| | | 3035 A6 |
| | | 3036 A6 |
| | | 3037 A5 |
| | | 3038 A5 |
| | | 3039 A6 |
| | | 3040 B6 |
| 5001 B1 | 6001 C1 | 7001 A3 |
| 5002 B1 | 6002 C2 | 7002 B2 |
| 5003 A4 | 6003 C2 | 7003 B3 |
| 5004 C5 | 6004 C1 | 7004 B4 |
| 5005 B5 | 6005 B4 | 7005 B3 |
| 5006 B5 | 6006 B3 | 7006 C3 |
| | 6007 B3 | 7007 C3 |
| | 6008 C3 | 7008 D5 |
| | 6009 C4 | 7009 D5 |
| | 6010 C4 | |
| | 6011 D3 | |
| | 6012 C5 | |
| | 6013 B5 | |
| | 6014 B5 | |
| | 6015 B5 | |
| | 6016 A5 | |
| | 6017 A5 | |

Layout Power supply board DVD707/751/781/782



Component side

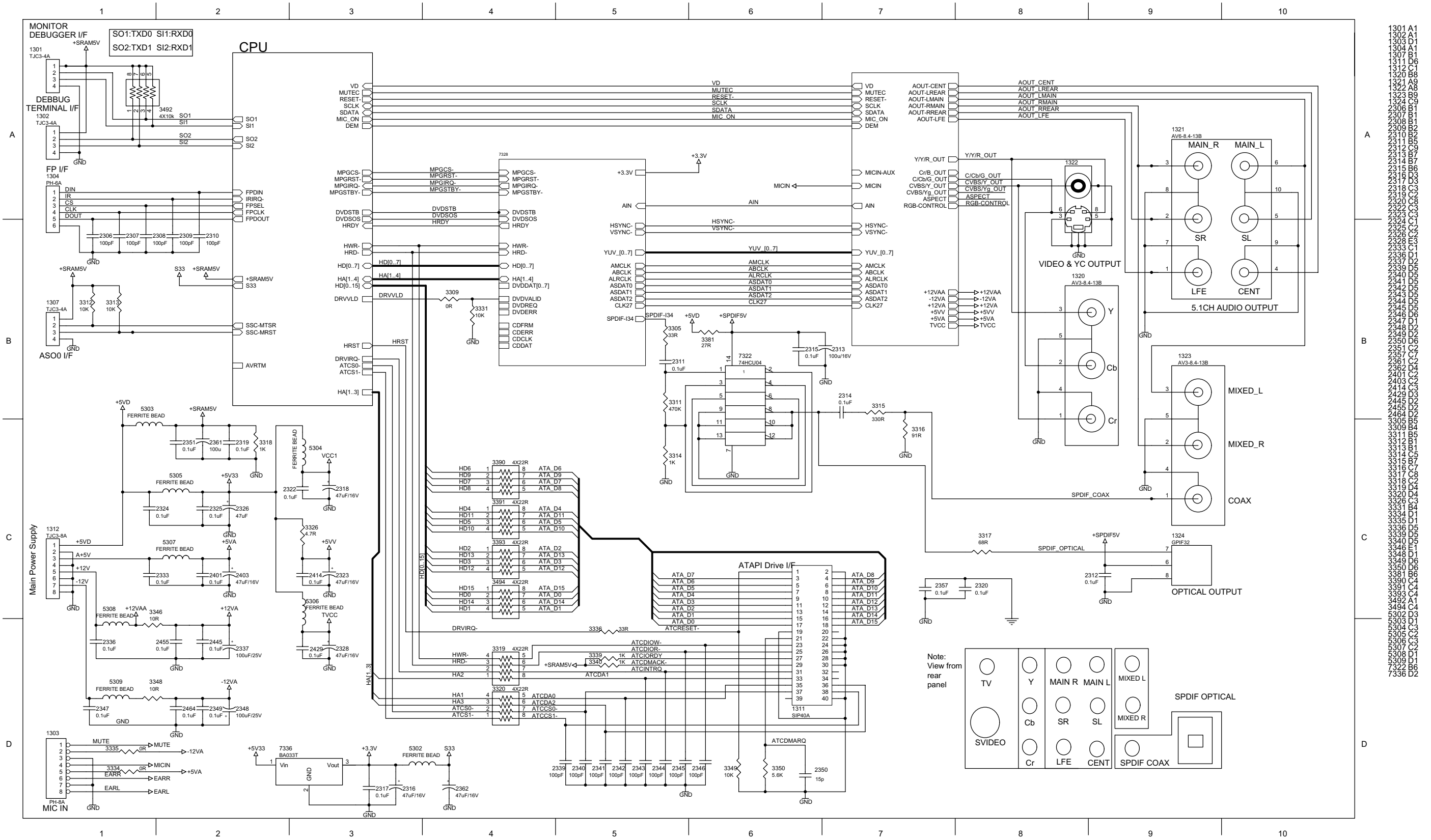


Copper side

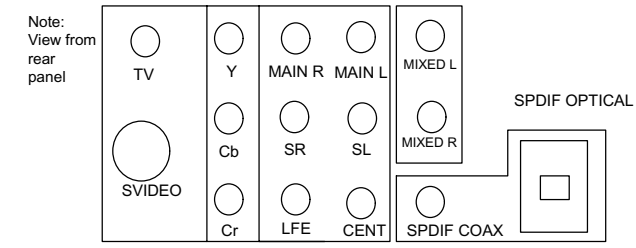
1001	B1	3024	C4
1002	A1	3025	C5
1003	C1	3026	C5
1004	B2	3027	C5
1005	C6	3028	C5
1006	B6	3029	A4
1007	A6	3030	C5
2001	B2	3031	B6
2002	B2	3032	B5
2003	A2	3033	B5
2004	A2	3034	B5
2005	A3	3035	B5
2008	A4	3036	B5
2009	B3	3037	C5
2010	C3	3038	B5
2011	B3	3039	C5
2012	B3	3040	B5
2013	B3	5001	B2
2014	B4	5002	B2
2015	B4	5003	B4
2016	B3	5004	A5
2017	C4	5005	A5
2018	C4	5006	B5
2019	A4	6001	A2
2020	A5	6002	A2
2021	A5	6003	B2
2022	B5	6004	B2
2023	B5	6005	B3
2024	B5	6006	B3
2025	B5	6007	B3
2026	B5	6008	B3
2027	B5	6009	B4
2028	B5	6010	B4
2029	B5	6011	C3
2030	B5	6012	A4
2031	B5	6013	B5
3001	B2	6014	B5
3002	B2	6015	B5
3003	B4	6016	B5
3004	A3	6017	B5
3005	B4	7001	B3
3006	C3	7002	B3
3007	B3	7003	B3
3008	C3	7004	B3
3009	B3	7005	B3
3010	A3	7006	B3
3011	C2	7007	B3
3012	B3	7008	C4
3013	B3	7009	C4
3014	B3	9001	B1
3015	B3	9002	B3
3016	B3	9003	B3
3017	B3	9004	C4
3018	B3	9005	B6
3019	C3	9006	B5
3020	C3	9007	B6
3021	B3	9008	B6
3022	C4		
3023	B4		

MPEG board DVD707/751/781/782

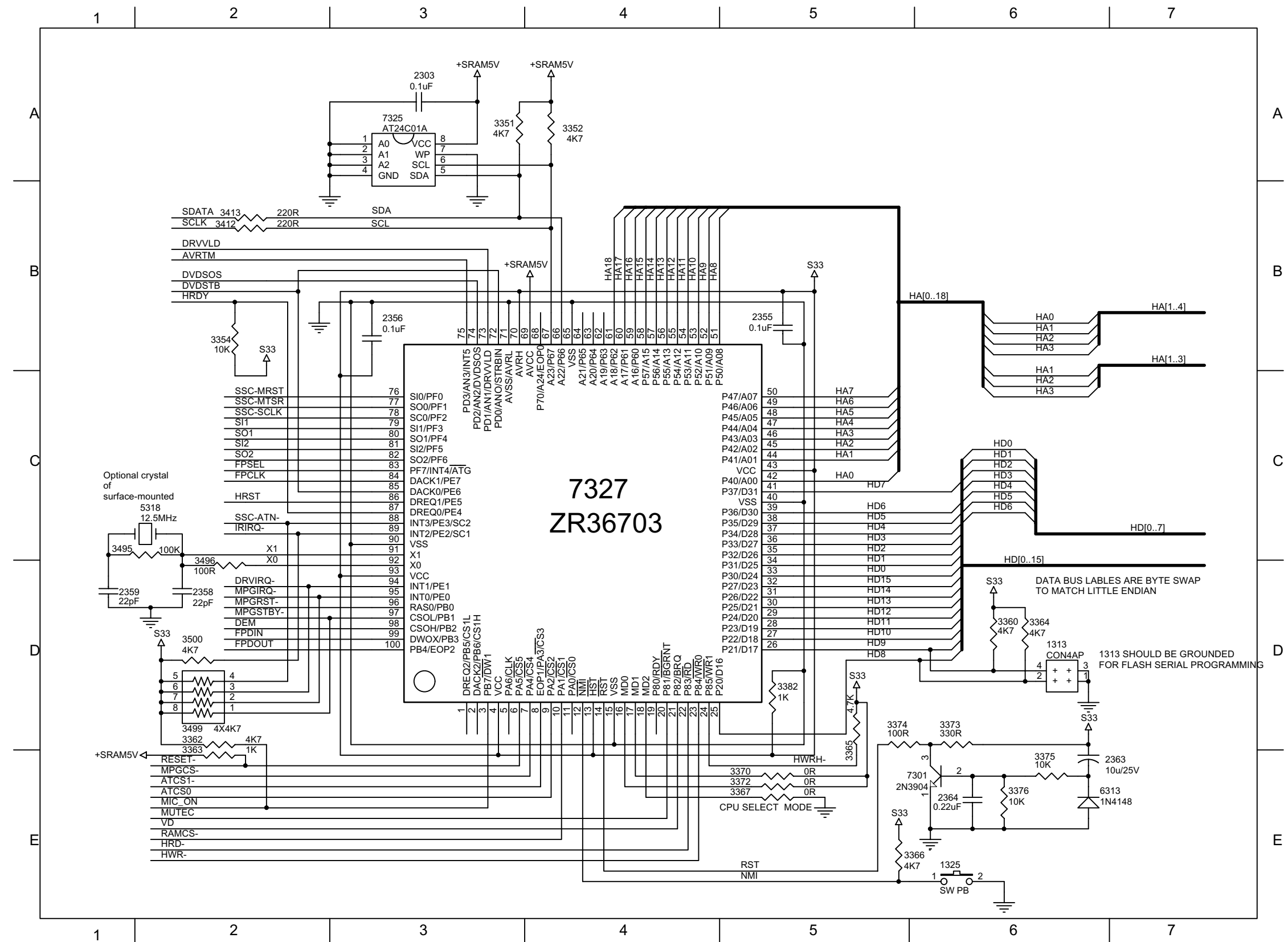
Main Circuit



- 1301 A1
- 1302 A1
- 1303 D1
- 1304 A1
- 1307 B1
- 1311 D6
- 1312 C1
- 1320 B8
- 1321 A8
- 1322 A8
- 1323 B9
- 1324 C9
- 2306 B1
- 2307 B1
- 2308 B1
- 2309 B2
- 2310 B2
- 2311 B2
- 2312 C9
- 2313 B7
- 2314 B7
- 2315 B6
- 2316 D3
- 2317 D3
- 2318 C3
- 2319 C2
- 2320 C8
- 2321 C3
- 2322 C3
- 2323 C3
- 2324 C1
- 2325 C2
- 2326 C2
- 2327 E3
- 2328 C1
- 2333 D1
- 2336 D1
- 2337 D2
- 2339 D5
- 2340 D5
- 2341 D5
- 2342 D5
- 2343 D5
- 2344 D5
- 2345 D5
- 2346 D1
- 2347 D1
- 2348 D2
- 2349 D2
- 2350 D6
- 2351 D2
- 2352 C7
- 2357 C2
- 2361 C2
- 2362 D4
- 2401 C2
- 2403 C2
- 2414 C3
- 2429 D3
- 2448 D2
- 2455 D2
- 2464 D2
- 3305 B5
- 3309 B4
- 3311 B5
- 3312 B1
- 3313 B1
- 3314 C5
- 3315 C7
- 3318 C7
- 3317 C8
- 3318 C2
- 3319 D4
- 3320 D4
- 3326 C3
- 3326 C3
- 3331 B4
- 3334 D1
- 3335 D1
- 3336 D5
- 3339 D5
- 3340 D5
- 3341 D1
- 3348 D1
- 3348 D6
- 3350 D6
- 3351 B6
- 3359 C4
- 3391 C4
- 3393 C4
- 3394 A1
- 3492 A1
- 5302 D3
- 5303 D1
- 5304 C3
- 5305 C3
- 5306 C3
- 5307 C2
- 5308 D1
- 5309 D1
- 7322 B6
- 7336 B2



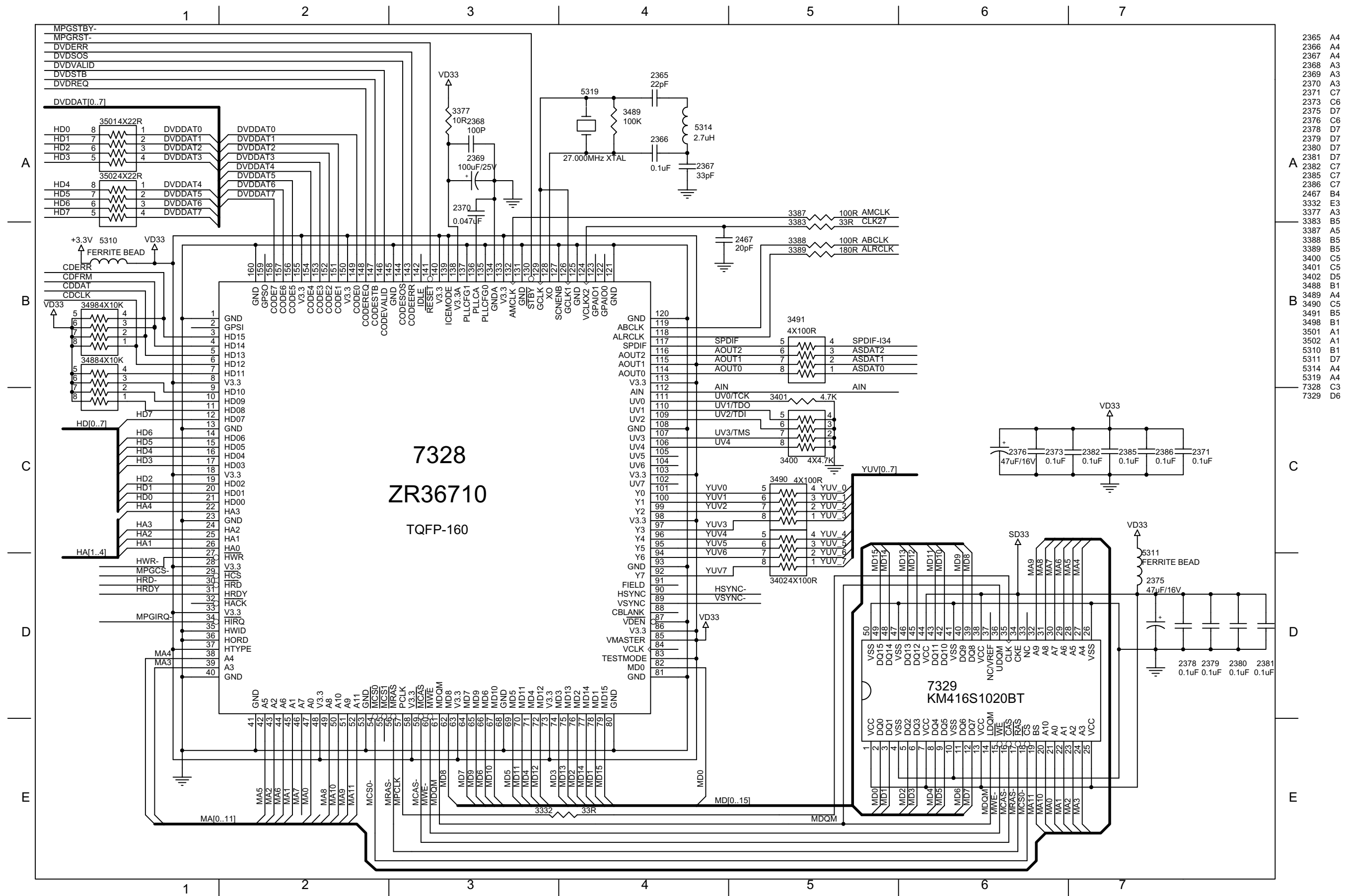
MPEG board DVD707/751/781/782
CPU - ZR36703



- 1313 D6
- 1325 E6
- 2303 A3
- 2355 B5
- 2356 B3
- 2358 D2
- 2359 D1
- 2363 E6
- 2364 E6
- 3351 A3
- 3352 A4
- 3354 B2
- 3360 D5
- 3362 D2
- 3363 E2
- 3364 D6
- 3365 D5
- 3366 E5
- 3367 E5
- 3370 E5
- 3372 E5
- 3373 D6
- 3374 D5
- 3375 E6
- 3376 E6
- 3382 D5
- 3412 B2
- 3413 B2
- 3495 C1
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- 5318 C2
- 6313 E6
- 7301 E6
- 7325 A3
- 7327 C4

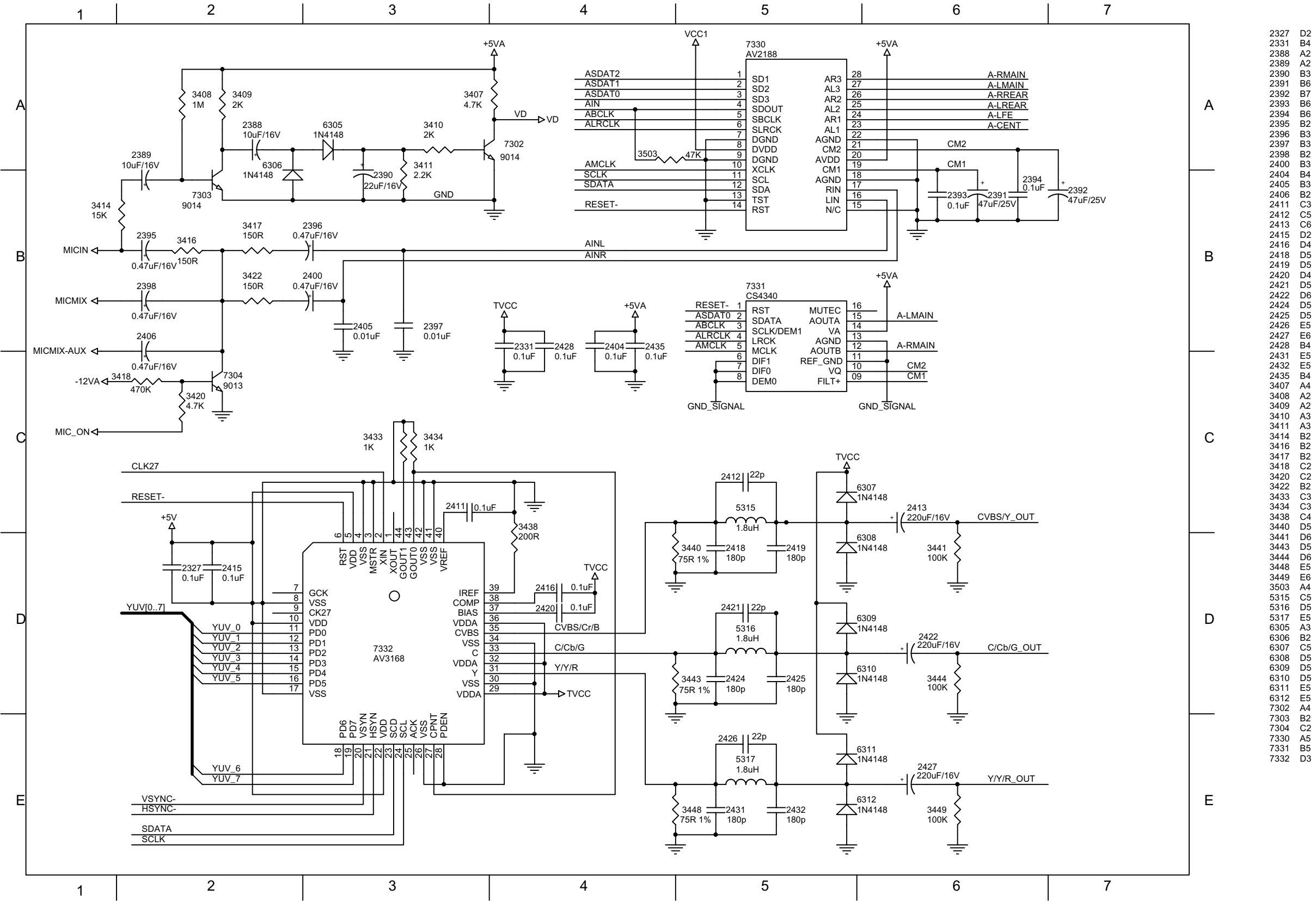
MPEG board DVD707/751/781/782

Decoder - ZR36710



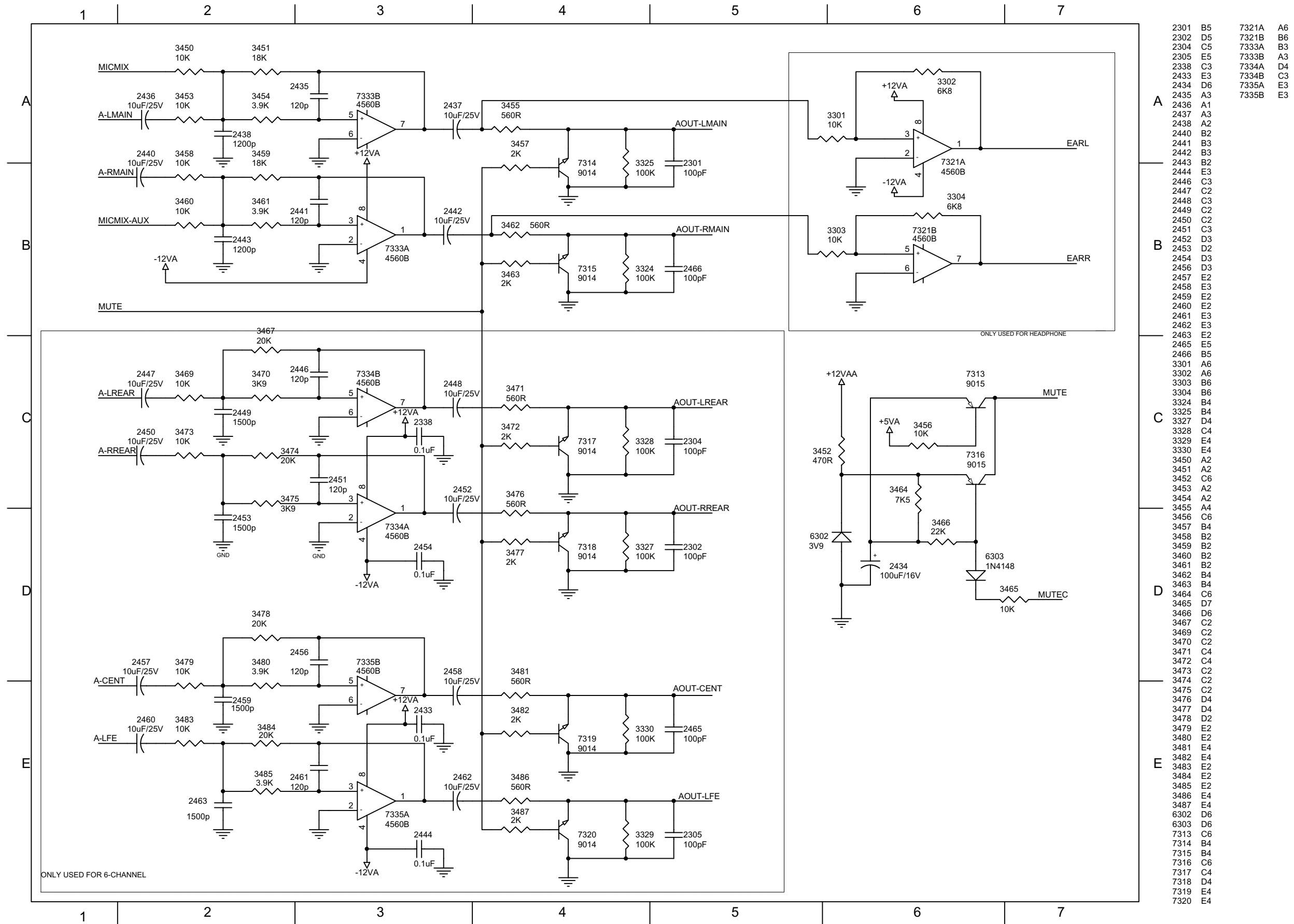
MPEG board DVD707/751/781/782

Video ENC & Audio DAC



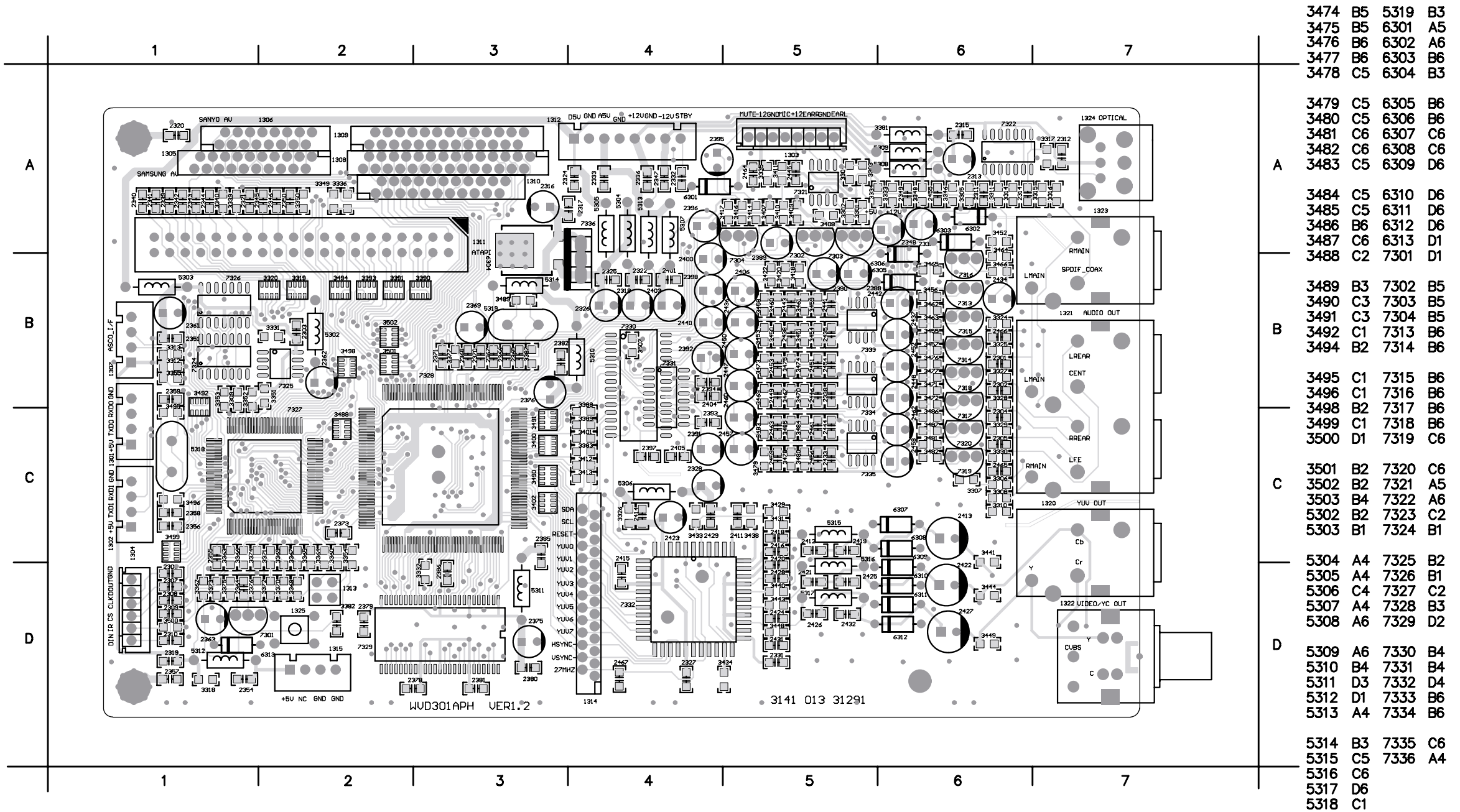
MPEG board DVD707/751/781/782

Audio - 6 & 2 Channels



Layout MPEG board (component side) DVD707/751/781/782

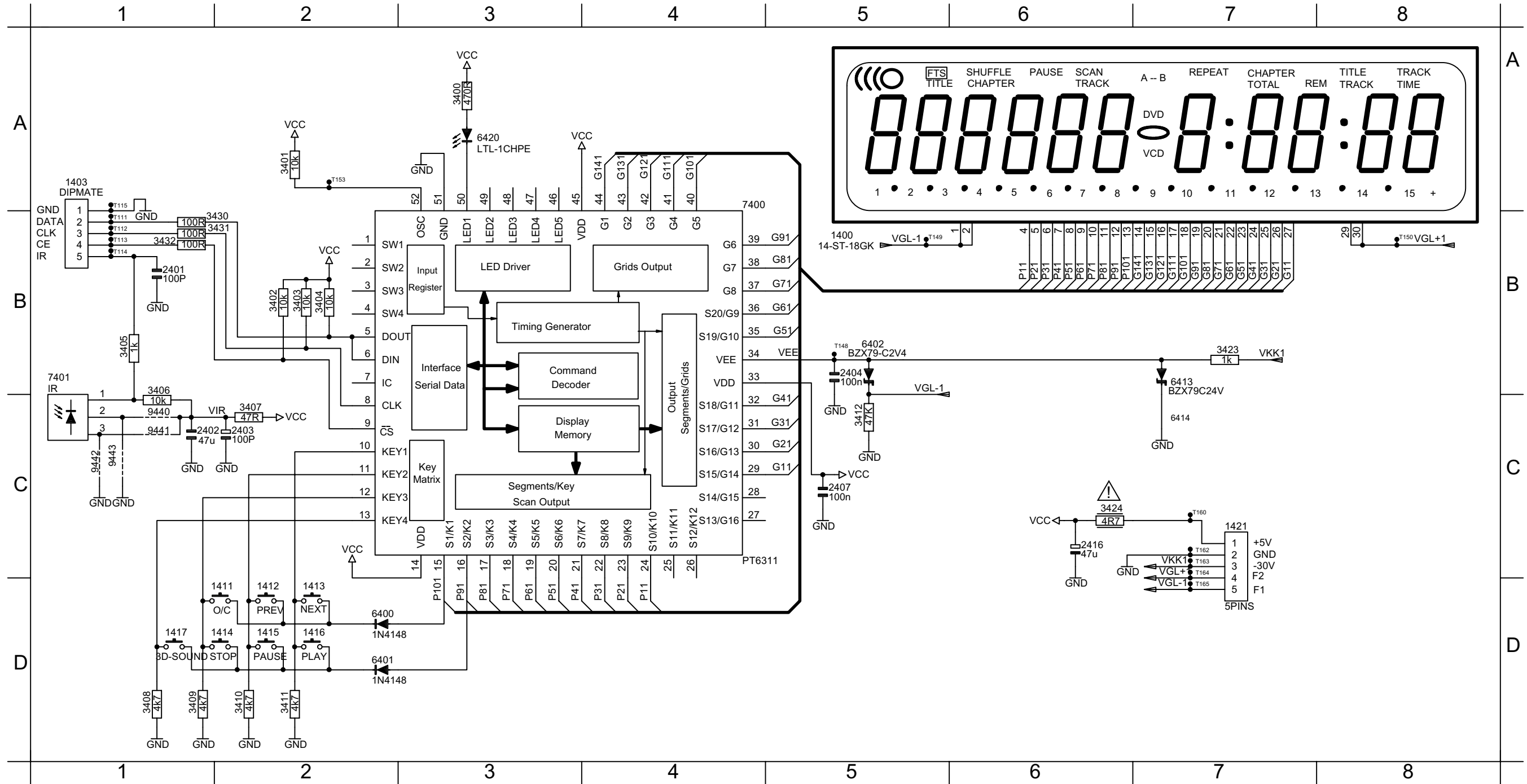
1301	C1	1320	C7	2310	D1	2326	B4	2345	A1	2363	D1	2381	D3	2400	A4	2421	D5	2437	B6	2453	B5	3301	A5	3316	A7	3334	A6	3362	D1	3377	B3	3409	A5	3438	C5	3458	B5
1302	C1	1321	B7	2311	A6	2327	D4	2346	A1	2364	D1	2382	B4	2401	B4	2422	D6	2438	B5	2454	B5	3302	A5	3317	A7	3335	A5	3363	D1	3381	A6	3410	A5	3440	D5	3459	B5
1303	A5	1322	D7	2312	A7	2328	C4	2347	A4	2365	B3	2385	C3	2403	B4	2423	C4	2440	B4	2455	A6	3303	A6	3318	D1	3336	A2	3364	D2	3382	D2	3411	A5	3441	C6	3460	B5
1304	C1	1323	A7	2313	A6	2331	D5	2348	B6	2366	B3	2386	D3	2404	B5	2424	D5	2441	B5	2456	C5	3304	A5	3319	B2	3339	A1	3365	D2	3383	C4	3412	C4	3443	D5	3461	B5
1305	A1	1324	A7	2314	A6	2332	A4	2349	A6	2367	B3	2388	B6	2405	C4	2425	D6	2442	B6	2457	C5	3305	A6	3320	B2	3340	A1	3366	D1	3387	B3	3413	C4	3444	D6	3462	B6
1306	A1	1325	D2	2315	A6	2333	A4	2350	A2	2368	B3	2389	B5	2406	B5	2426	D5	2443	B5	2458	C6	3306	C6	3324	B6	3346	A6	3367	D2	3388	C4	3414	A5	3448	D5	3463	B6
1307	B1	2301	B6	2316	A3	2336	A4	2351	B1	2369	B3	2390	B5	2411	C5	2427	D6	2444	C5	2459	C5	3307	C6	3325	B6	3348	A6	3368	D2	3389	C4	3416	A5	3449	D6	3464	B6
1308	A2	2302	B6	2317	A4	2337	B6	2354	D1	2370	B3	2391	C4	2412	C5	2428	D5	2445	A5	2460	B5	3308	C6	3326	C4	3349	A2	3369	D2	3390	B2	3417	A5	3450	B5	3465	B6
1309	A2	2303	B2	2318	B4	2338	B5	2355	D1	2371	B3	2392	B4	2413	C6	2429	C5	2446	B5	2461	C5	3309	C1	3327	B6	3350	A2	3370	D2	3391	B2	3418	B5	3451	B5	3466	B6
1310	A3	2304	B6	2319	D1	2339	A1	2356	C1	2373	C2	2393	C5	2414	C4	2431	D5	2447	B5	2462	B6	3310	C6	3328	B6	3351	C1	3371	D1	3393	B2	3420	B5	3452	B6	3467	B5
1311	A3	2305	C6	2320	A1	2340	A1	2357	D1	2375	D3	2394	B5	2415	D4	2432	D5	2448	B6	2463	C5	3311	A6	3329	C6	3352	C1	3372	D1	3400	C3	3422	B5	3453	B5	3469	B5
1312	A4	2306	D1	2321	A1	2341	A1	2358	C1	2376	C3	2395	A5	2416	C5	2433	C5	2449	B5	2464	A5	3312	B1	3330	C6	3353	C1	3373	D1	3401	C4	3429	C5	3454	B5	3470	B5
1313	D2	2307	D1	2322	B4	2342	A1	2359	B1	2378	D2	2396	A4	2418	C5	2434	B6	2450	B5	2465	C6	3313	B1	3331	B2	3354	D2	3374	D1	3402	C3	3431	C5	3455	B6	3471	B6
1314	D4	2308	D1	2324	A4	2343	A1	2361	B1	2379	D2	2397	C4	2419	C5	2435	B5	2451	B5	2466	B6	3314	A6	3332	D3	3355	B1	3375	D1	3403	A5	3433	C4	3456	B6	3472	B6
1315	D2	2309	D1	2325	B4	2344	A1	2362	B2	2380	D3	2398	B4	2420	D5	2436	B5	2452	B6	2467	D4	3315	A6	3333	A6	3360	D2	3376	D1	3404	A5	3434	D5	3457	B6	3473	B5



3474	B5	5319	B3
3475	B5	6301	A5
3476	B6	6302	A6
3477	B6	6303	B6
3478	C5	6304	B3
3479	C5	6305	B6
3480	C5	6306	B6
3481	C6	6307	C6
3482	C6	6308	C6
3483	C5	6309	D6
3484	C5	6310	D6
3485	C5	6311	D6
3486	B6	6312	D6
3487	C6	6313	D1
3488	C2	7301	D1
3489	B3	7302	B5
3490	C3	7303	B5
3491	C3	7304	B5
3492	C1	7313	B6
3494	B2	7314	B6
3495	C1	7315	B6
3496	C1	7316	B6
3498	B2	7317	B6
3499	C1	7318	B6
3500	D1	7319	C6
3501	B2	7320	C6
3502	B2	7321	A5
3503	B4	7322	A6
5302	B2	7323	C2
5303	B1	7324	B1
5304	A4	7325	B2
5305	A4	7326	B1
5306	C4	7327	C2
5307	A4	7328	B3
5308	A6	7329	D2
5309	A6	7330	B4
5310	B4	7331	B4
5311	D3	7332	D4
5312	D1	7333	B6
5313	A4	7334	B6
5314	B3	7335	C6
5315	C5	7336	A4
5316	C6		
5317	D6		
5318	C1		

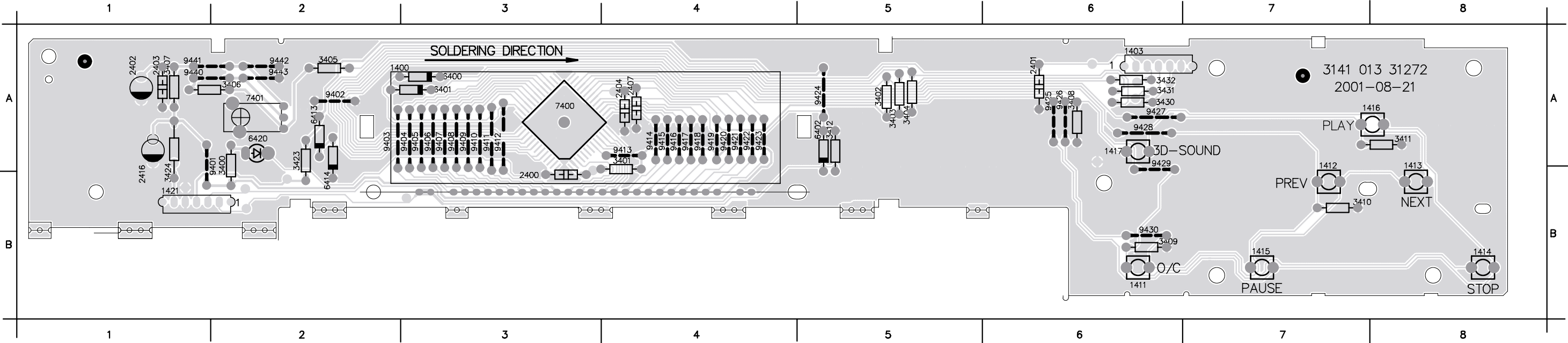
Front board DVD707/751/781/782

1400	A5	1411	D2	1417	D1	2403	C2	2416	D5	3405	B1	3411	D2	3430	B1	6403	B5	7401	C1	9443	C1
1401	D8	1412	D2	1418	C8	2404	B5	3400	A3	3406	C1	3412	C5	3431	B1	6404	C6	7402	B6	9444	B6
1403	B1	1413	D2	1421	D6	2405	B6	3401	A2	3407	C2	3413	B6	3432	B1	6413	B7	7406	B7	9445	B6
1404	A2	1414	D2	2400	A2	2406	D7	3402	B2	3408	D1	3414	D7	6400	D2	6414	C7	9440	C1	9446	B7
1405	B8	1415	D2	2401	B1	2407	C5	3403	B2	3409	D1	3423	B7	6401	D2	6420	B3	9441	C1	9447	B7
1406	C8	1416	D2	2402	C1	2415	B7	3404	B2	3410	D2	3424	D6	6402	B5	7400	B4	9442	C1		



Layout Front board DVD707/751/781/782 (component side)

1400	A3	1413	B8	1417	A6	2402	A1	2416	A1	3403	A5	3407	A1	3411	A8	3430	A6	6401	A3	6420	A2	9402	A2	9406	A3	9410	A3	9414	A4	9418	A4	9422	A4	9426	A6	9430	B6	9443	A2
1403	A6	1414	B8	1421	B1	2403	A1	3400	B2	3404	A5	3408	A6	3412	A5	3431	A6	6402	A5	7400	A3	9403	A3	9407	A3	9411	A3	9415	A4	9419	A4	9423	A4	9427	A6	9440	A1		
1411	B6	1415	B7	2400	B3	2404	A4	3401	B4	3405	A2	3409	B6	3423	A2	3432	A6	6413	A2	7401	A2	9404	A3	9408	A3	9412	A3	9416	A4	9420	A4	9424	A5	9428	A6	9441	A1		
1412	B7	1416	A7	2401	A6	2407	A4	3402	A5	3406	A2	3410	D7	3424	A1	6400	A3	6414	B2	9401	B1	9405	A3	9409	A3	9413	A4	9417	A4	9421	A4	9425	A6	9429	A6	9442	A2		



8. Spare parts list DVD707/751

Mechanical

0200	3141 017 75530	CAB FRONT DVD707/751 PNT PRT
0204	3141 017 73990	WINDOW DVD728K PNT PRT
0205	3141 017 74970	BUTTON POWER DVD729K PNT
0219	3141 017 74990	DOOR DVD729K PNT PRT
0220	3139 241 20110	DOOR SPRING
0240	3141 017 75000	BUTTON CONTROL DVD729K PNT PRT
0242	3141 017 75010	RING DVD729K PNT PRT
0244	3139 244 00410	FOOT DVD711
0249	3139 243 10010	CUSHION
0384	3141 017 90150	REMOTE CONTROL DVD707/781
1001	3141 018 02490	PBAS PSU DVD729K/031
1002	3141 018 02540	PBAS MPEG DVD707/751
1004	3141 018 02510	PBAS FRONT DVD707/781
1005	3141 018 02190	DVD729K LOADER MODULE
△	5001 4822 321 10954	CORD, MAINS
8002	3141 010 20900	CWAS 40RK/40RK 230 40 GR 28S
8003	3141 010 20910	CWAS 08XH/08XH 500 8 WH 26S
8006	3141 010 20850	CWAS XH4P/LC4P 260 22S
△	8008 3141 010 21000	SWI ASSY 1X2 M7.92 290 18S

Power Supply Board 3141 018 02490

MISCELLANEOUS

△	1001 4822 265 31015	CONNECTOR, ELECTRICAL OTHERS
△	1002 8241 010 03090	FUSE T1.25A 250V
△	1004 3141 010 30330	CON BM B 2P M 7.92 B
1005	2422 025 09013	CON BM V 5P M 2.50 XH A B
1006	2422 025 09074	CONNECTOR 8P TOP
1007	2422 025 09904	CON BM V 4P M 2.50 XH B

CAPACITORS

△	2001 3141 018 80530	CAP MPP 275V S 100N PM10 B
△	2002 3141 018 80520	CAP MPP 275V S 220N PM10 B
△	2003 3141 018 80370	CERSAF NSA 400V S 470P PM10 B
△	2004 3141 018 80370	CERSAF NSA 400V S 470P PM10 B
2005	3141 018 80450	ELCAP CD294 400V 68U PM20 B
△	2006 3141 018 80380	CERSAF NSA 400V S 1N PM20 B
△	2007 3141 018 80380	CERSAF NSA 400V S 1N PM20 B
2008	3141 018 80550	CER2 DC 1KV S 10N PM20 B
2009	3141 018 80560	CER2 DC 1KV S 220P PM10 B
2010	4822 126 13499	220PF 5% NP0 50V
2011	4822 124 23057	4,7UF 20% 50V
2012	4822 121 51304	10NF 10% 50V
2013	4822 124 81151	22UF 50V
2014	4822 124 21913	1UF20% 63V
2015	5322 122 32311	470PF 10% 100V
2016	5322 122 32052	680PF 10% 100V
2017	4822 124 21913	1UF20% 63V
2018	4822 126 14217	100NF 20% Y5V 0805 50V

2019	3141 018 80570	CER2 DC 1KV S 1N P8020 B
2020	3141 018 80470	ELCAP WLR 10V 1000U PM20
2021	4822 124 80195	470UF20% 10V
2022	3141 018 80560	CER2 DC 1KV S 220P PM10 B
2023	3141 018 80490	ELCAP 16V 470U PM20
2024	4822 124 80791	470UF 16V 20% 105C DXH=8X11,5
2025	3141 018 80560	CER2 DC 1KV S 220P PM10 B
2026	3141 018 80500	ELCAP 16V 220U PM20
2027	4822 124 80791	470UF 16V 20% 105C DXH=8X11,5
2028	3141 018 80560	CER2 DC 1KV S 220P PM10 B
2029	3141 018 80510	ELCAP 50V 100U PM20
2030	3141 018 80560	CER2 DC 1KV S 220P PM10 B
2031	3141 018 80480	ELCAP CD263 10V 470U PM20

RESISTORS

△	3001 3141 018 80440	VDR DC 10K 470V
△	3002 3141 018 80430	NTC THERMISTOR 3A 8R PM10 B
3003	3141 018 80390	RST MLFM 1W S 300K PM5
3004	3141 018 80400	RST MLFM 1W S 51K PM5
3005	4822 116 52307	91K 5% 0,5W
3006	3141 018 80540	RST CRB CR25 A 96K PM5 A
3007	4822 050 21004	100K00 1% 0,6W
3008	4822 050 21004	100K00 1% 0,6W
3009	4822 050 27502	7K50 1% 0,6W
3010	4822 116 52176	10E 5% 0,5W
3011	4822 050 21002	1K00 1% 0,6W
3012	4822 050 21004	100K00 1% 0,6W
3013	4822 050 21301	130R00 1% 0,6W
3014	4822 050 21509	15R00 1% 0,6W
3015	4822 050 22402	2K40 1% 0,6W
3016	3141 018 80410	RST MLFM 1W A 0R75 PM5
3017	4822 050 25101	510R00 1% 0,6W
3018	4822 050 21202	1K20 1% 0,6W
3019	4822 050 21003	10K00 1% 0,6W
3020	4822 053 10102	1K00 5% 1W
3021	4822 050 21002	1K00 1% 0,6W
3022	4822 050 21002	1K00 1% 0,6W
3023	4822 050 21802	1K80 1% 0,6W
3025	4822 050 25101	510R00 1% 0,6W
3026	4822 050 27502	7K50 1% 0,6W
3027	4822 050 23002	3K00 1% 0,6W
3028	4822 050 25603	56K00 1% 0,6W
3029	2120 105 93387	RST MOX 1W ERG1F S 10R PM5 B
3030	4822 116 82958	100R 5% 1W
3031	4822 053 10181	180R00 5% 1W
3032	3141 018 80420	RST MLFM 1W A 510R PM5
3033	2341 211 13123	RST CRB CR25 A 12K PM5 A
3035	4822 050 21002	1K00 1% 0,6W
3036	4822 050 21002	1K00 1% 0,6W
3037	2322 211 73308	RST CRB CR25 A 3R PM5 A
3038	2122 101 02083	RST CRB CFR25S A 1R5 PM5 A
3039	4822 050 22008	2R00 1% 0,6W
3040	4822 053 10682	6K80 5% 1W

COILS & QUARTZ

△	5001 3141 018 20470	CHOKE COIL 300UH 7TS X 0.4 PM17
△	5002 3141 018 20460	CHOKE COIL 31MH 160TS X 0.2 PM10
△	5003 3141 018 31200	TFM POW EF TFS-3001
5004	3141 018 20480	IND FXD Ø8 X 0.5 12UH PM5
5005	3141 018 20480	IND FXD Ø8 X 0.5 12UH PM5
5006	3141 018 20490	IND FXD Ø5 X 0.35 12UH PM5

DIODES

6001	5322 130 34574	1N4004G
6002	5322 130 34574	1N4004G
6003	5322 130 34574	1N4004G
6004	5322 130 34574	1N4004G
6005	3141 018 51160	DIO REC HER108
6006	4822 130 34379	BZX79-B27
6007	4822 130 34398	BZX79-B24
6008	4822 130 30621	1N4148
6009	4822 130 30621	1N4148
6010	3141 018 51230	DIO REC FR104
6011	4822 130 34499	BZX79-B20
6012	3141 018 51240	DIO REC SR560
6013	9965 000 09322	RECTIFIER DIODE FR302
6014	3141 018 51160	DIO REC HER108
6015	4822 130 30862	BZX79-B9V1
6016	3141 018 51230	DIO REC FR104
6017	3141 018 51230	DIO REC FR104

TRANSISTORS & INTEGRATED CIRCUITS

7001	3141 018 51170	TRA SIG S9012
7002	3141 018 51170	TRA SIG S9012
7003	3141 018 50960	TRA SIG C9013 T
7004	3141 018 51200	FET SIG IRFBC40A
7005	3141 018 51170	TRA SIG S9012
7006	3141 018 51180	TRA SIG H1015
7007	3141 018 50960	TRA SIG C9013 T
△	7008 3141 018 51260	OPT CP Q817B
7009	3141 018 51190	TRA SIG WL431

Spare parts list DVD707/751

MPEG Board 3141 018 02540

MISCELLANEOUS

1304	4822 267 40624	5-FOLD	X
1307	2422 025 09904	CON BM V 4P M 2.50	XH B
1311	3141 010 30340	CON BM V 40P M 2.54	103308B
1312	2422 025 09074	CONNECTOR	8P TOP
1313	3141 010 30070	MICRO-SHUNT V 2P M 2.54	
1320	3141 010 30300	CON BM CINCH V 3P F GNBURD	
1321	3141 010 30320	CON BM CINCH V 6P F	B
1322	3141 010 30250	CON S-VEDIO AND CVBS	
1323	3141 010 30310	CON BM CINCH V 3P F WHRDBK	B
1325	3141 018 40180	SWI TACT 2P 20MA 15V EVQ21	A

CAPACITORS

2301	5322 122 32531	100PF 5%NP0	50V
2302	5322 122 32531	100PF 5%NP0	50V
2303	4822 126 14585	100NF 10% X7R 0805	50V
2304	5322 122 32531	100PF 5%NP0	50V
2305	5322 122 32531	100PF 5%NP0	50V
2306	5322 122 32531	100PF 5%NP0	50V
2307	5322 122 32531	100PF 5%NP0	50V
2308	5322 122 32531	100PF 5%NP0	50V
2309	5322 122 32531	100PF 5%NP0	50V
2310	5322 122 32531	100PF 5%NP0	50V
2311	4822 126 14585	100NF 10% X7R 0805	50V
2313	2020 012 93504	ELCAP KA 16V S 100U	PM20 A
2314	4822 126 14585	100NF 10% X7R 0805	50V
2315	4822 126 14585	100NF 10% X7R 0805	50V
2316	4822 124 23624	47UF20%	16V
2317	4822 126 14585	100NF 10% X7R 0805	50V
2318	4822 124 23624	47UF20%	16V
2319	4822 126 14585	100NF 10% X7R 0805	50V
2320	4822 126 14585	100NF 10% X7R 0805	50V
2322	4822 126 14585	100NF 10% X7R 0805	50V
2324	4822 126 14585	100NF 10% X7R 0805	50V
2325	4822 126 14585	100NF 10% X7R 0805	50V
2326	4822 124 23624	47UF20%	16V
2327	4822 126 14585	100NF 10% X7R 0805	50V
2328	4822 124 23624	47UF20%	16V
2331	4822 126 14585	100NF 10% X7R 0805	50V
2333	4822 126 14585	100NF 10% X7R 0805	50V
2336	4822 126 14585	100NF 10% X7R 0805	50V
2337	4822 124 40207	100UF20%	25V
2338	4822 126 14585	100NF 10% X7R 0805	50V
2339	5322 122 32531	100PF 5%NP0	50V
2340	5322 122 32531	100PF 5%NP0	50V
2341	5322 122 32531	100PF 5%NP0	50V
2342	5322 122 32531	100PF 5%NP0	50V
2343	5322 122 32531	100PF 5%NP0	50V
2344	5322 122 32531	100PF 5%NP0	50V
2345	5322 122 32531	100PF 5%NP0	50V
2346	5322 122 32531	100PF 5%NP0	50V

2347	4822 126 14585	100NF 10% X7R 0805	50V
2348	4822 124 40207	100UF20%	25V
2349	4822 126 14585	100NF 10% X7R 0805	50V
2350	4822 126 13486	15PF 2% NP0	63V
2351	4822 126 14585	100NF 10% X7R 0805	50V
2355	4822 126 14585	100NF 10% X7R 0805	50V
2356	4822 126 14585	100NF 10% X7R 0805	50V
2357	4822 126 14585	100NF 10% X7R 0805	50V
2358	5322 122 32658	22PF 5%	50V
2359	5322 122 32658	22PF 5%	50V
2361	2020 012 93504	ELCAP KA 16V S 100U	PM20 A
2362	4822 124 23624	47UF20%	16V
2363	2020 012 93505	ELCAP KA 25V S 10U	PM20 A
2364	4822 126 13473	220NF80-20%	50V
2365	5322 122 32658	22PF 5%	50V
2366	4822 126 14585	100NF 10% X7R 0805	50V
2367	5322 122 32659	33PF 5%	50V
2368	4822 126 14585	100NF 10% X7R 0805	50V
2369	4822 124 40207	100UF20%	25V
2370	2222 580 19809	CER2 0805 Y5V 50V 47N	COL R
2371	4822 126 14585	100NF 10% X7R 0805	50V
2373	4822 126 14585	100NF 10% X7R 0805	50V
2375	4822 124 23624	47UF20%	16V
2376	4822 124 23624	47UF20%	16V
2378	4822 126 14585	100NF 10% X7R 0805	50V
2379	4822 126 14585	100NF 10% X7R 0805	50V
2380	4822 126 14585	100NF 10% X7R 0805	50V
2381	4822 126 14585	100NF 10% X7R 0805	50V
2382	4822 126 14585	100NF 10% X7R 0805	50V
2385	4822 126 14585	100NF 10% X7R 0805	50V
2386	4822 126 14585	100NF 10% X7R 0805	50V
2391	4822 124 40433	47UF20%	25V
2392	4822 124 40433	47UF20%	25V
2393	4822 126 14585	100NF 10% X7R 0805	50V
2394	4822 126 14585	100NF 10% X7R 0805	50V
2398	4822 124 81108	0,47UF20%	50V
2401	4822 126 14585	100NF 10% X7R 0805	50V
2403	4822 124 23624	47UF20%	16V
2404	4822 126 14585	100NF 10% X7R 0805	50V
2406	4822 124 81108	0,47UF20%	50V
2411	4822 126 14585	100NF 10% X7R 0805	50V
2412	5322 122 32658	22PF 5%	50V
2413	4822 124 40196	220UF20%	16V
2414	4822 126 14585	100NF 10% X7R 0805	50V
2415	4822 126 14585	100NF 10% X7R 0805	50V
2416	4822 126 14585	100NF 10% X7R 0805	50V
2418	4822 122 33125	180PF10%X7R	63V
2419	4822 122 33125	180PF10%X7R	63V
2420	4822 126 14585	100NF 10% X7R 0805	50V
2421	5322 122 32658	22PF 5%	50V
2422	4822 124 40196	220UF20%	16V
2423	4822 124 23624	47UF20%	16V
2424	4822 122 33125	180PF10%X7R	63V
2425	4822 122 33125	180PF10%X7R	63V
2426	5322 122 32658	22PF 5%	50V

2427	4822 124 40196	220UF20%	16V
2428	4822 126 14585	100NF 10% X7R 0805	50V
2429	4822 126 14585	100NF 10% X7R 0805	50V
2431	4822 122 33125	180PF10%X7R	63V
2432	4822 122 33125	180PF10%X7R	63V
2433	4822 126 14585	100NF 10% X7R 0805	50V
2434	2020 012 93504	ELCAP KA 16V S 100U	PM20 A
2435	5322 122 33861	120PF10%	50V
2436	2020 012 93505	ELCAP KA 25V S 10U	PM20 A
2437	2020 012 93505	ELCAP KA 25V S 10U	PM20 A
2438	4822 126 13344	1,5NF 5%	63V
2440	2020 012 93505	ELCAP KA 25V S 10U	PM20 A
2441	5322 122 33861	120PF10%	50V
2442	2020 012 93505	ELCAP KA 25V S 10U	PM20 A
2443	4822 126 13344	1,5NF 5%	63V
2444	4822 126 14585	100NF 10% X7R 0805	50V
2445	4822 126 14585	100NF 10% X7R 0805	50V
2446	5322 122 33861	120PF10%	50V
2447	2020 012 93505	ELCAP KA 25V S 10U	PM20 A
2448	2020 012 93505	ELCAP KA 25V S 10U	PM20 A
2449	4822 126 13344	1,5NF 5%	63V
2450	2020 012 93505	ELCAP KA 25V S 10U	PM20 A
2451	5322 122 33861	120PF10%	50V
2452	2020 012 93505	ELCAP KA 25V S 10U	PM20 A
2453	4822 126 13344	1,5NF 5%	63V
2454	4822 126 14585	100NF 10% X7R 0805	50V
2455	4822 126 14585	100NF 10% X7R 0805	50V
2456	5322 122 33861	120PF10%	50V
2457	2020 012 93505	ELCAP KA 25V S 10U	PM20 A
2458	2020 012 93505	ELCAP KA 25V S 10U	PM20 A
2459	4822 126 13344	1,5NF 5%	63V
2460	2020 012 93505	ELCAP KA 25V S 10U	PM20 A
2461	5322 122 33861	120PF10%	50V
2462	2020 012 93505	ELCAP KA 25V S 10U	PM20 A
2463	4822 126 13344	1,5NF 5%	63V
2464	4822 126 14585	100NF 10% X7R 0805	50V
2465	5322 122 32531	100PF 5%NP0	50V
2466	5322 122 32531	100PF 5%NP0	50V
2467	5322 122 32658	22PF 5%	50V

RESISTORS

3305	4822 051 20339	33R00	5% 0,1W
3309	4822 051 20008	0R00	JUMP. (0805)
3311	4822 051 20474	470K00	5% 0,1W
3312	4822 117 10833	10K	1% 0,1W
3313	4822 117 10833	10K	1% 0,1W
3314	4822 051 20102	1K00	5% 0,1W
3315	4822 117 13577	330R	1% RC12H 0805 1,25W
3316	4822 051 20919	91R00	5% 0,1W
3318	4822 051 20102	1K00	5% 0,1W
3319	2120 108 94042	RST NETW SM RAC16	4X22R PM5 R
3320	2120 108 94042	RST NETW SM RAC16	4X22R PM5 R
3324	4822 117 10837	100K	1% 0.1W
3325	4822 117 10837	100K	1% 0.1W

Spare parts list DVD707/751

3326	4822 051 20478	4R70	5%	0,1W
3327	4822 117 10837	100K	1%	0.1W
3328	4822 117 10837	100K	1%	0.1W
3329	4822 117 10837	100K	1%	0.1W
3330	4822 117 10837	100K	1%	0.1W
3331	4822 117 10833	10K	1%	0,1W
3332	4822 051 20339	33R00	5%	0,1W
3336	4822 051 20339	33R00	5%	0,1W
3339	4822 051 20102	1K00	5%	0,1W
3340	4822 051 20102	1K00	5%	0,1W
3346	4822 051 20109	10R00	5%	0,1W
3348	4822 051 20109	10R00	5%	0,1W
3349	4822 117 10833	10K	1%	0,1W
3350	4822 051 20562	5K6	5%	0,1W 0805
3351	4822 051 20472	4K70	5%	0,1W
3352	4822 051 20472	4K70	5%	0,1W
3354	4822 117 10833	10K	1%	0,1W
3360	4822 051 20472	4K70	5%	0,1W
3362	4822 051 20472	4K70	5%	0,1W
3363	4822 051 20102	1K00	5%	0,1W
3364	4822 051 20472	4K70	5%	0,1W
3365	4822 051 20472	4K70	5%	0,1W
3366	4822 051 20472	4K70	5%	0,1W
3367	4822 051 20008	0R00	JUMP.	(0805)
3370	4822 051 20008	0R00	JUMP.	(0805)
3372	4822 051 20008	0R00	JUMP.	(0805)
3373	4822 117 13577	330R	1%	RC12H 0805 1,25W
3374	4822 051 20101	100R00	5%	0,1W
3375	4822 117 10833	10K	1%	0,1W
3376	4822 117 10833	10K	1%	0,1W
3377	4822 051 20109	10R00	5%	0,1W
3381	4822 116 52188	27E	5%	0,5W
3382	4822 051 20102	1K00	5%	0,1W
3383	4822 051 20339	33R00	5%	0,1W
3387	4822 051 20101	100R00	5%	0,1W
3388	4822 051 20101	100R00	5%	0,1W
3389	4822 117 11448	180R	1%	0,1W
3390	2120 108 94042	RST NETW SM RAC16	4X22R	PM5 R
3391	2120 108 94042	RST NETW SM RAC16	4X22R	PM5 R
3393	2120 108 94042	RST NETW SM RAC16	4X22R	PM5 R
3400	2120 108 94049	RST NETW SM RAC16	4X4K7	PM5 R
3401	4822 051 20472	4K70	5%	0,1W
3402	2120 108 94025	RST NETW SM RAC16	4X100R	PM5 R
3412	4822 117 11503	220R	1%	0.1W
3413	4822 117 11503	220R	1%	0.1W
3420	4822 051 20472	4K70	5%	0,1W
3433	4822 051 20102	1K00	5%	0,1W
3434	4822 051 20102	1K00	5%	0,1W
3438	4822 117 13528	200R	1%	0,125W 0805
3440	4822 117 11927	75R	1%	0,1W
3441	4822 117 10837	100K	1%	0.1W
3443	4822 117 11927	75R	1%	0,1W
3444	4822 117 10837	100K	1%	0.1W
3448	4822 117 11927	75R	1%	0,1W
3449	4822 117 10837	100K	1%	0.1W

3450	4822 117 11507	6K8	1%	0,1W
3451	4822 117 11188	20K	1%	0,1W
3452	4822 051 20471	470R00	5%	0,1W
3453	4822 117 10833	10K	1%	0,1W
3454	4822 051 20392	3K90	5%	0,1W
3455	4822 051 20561	560R00	5%	0,1W
3456	4822 117 10833	10K	1%	0,1W
3457	4822 051 20202	2K00	5%	0,1W
3458	4822 117 10833	10K	1%	0,1W
3459	4822 117 11188	20K	1%	0,1W
3460	4822 117 11507	6K8	1%	0,1W
3461	4822 051 20392	3K90	5%	0,1W
3462	4822 051 20561	560R00	5%	0,1W
3463	4822 051 20202	2K00	5%	0,1W
3464	4822 117 10362	7K5	1%	0,1W
3465	4822 117 10833	10K	1%	0,1W
3466	4822 051 20223	22K00	5%	0,1W
3467	4822 117 11188	20K	1%	0,1W
3469	4822 117 10833	10K	1%	0,1W
3470	4822 051 20392	3K90	5%	0,1W
3471	4822 051 20561	560R00	5%	0,1W
3472	4822 051 20202	2K00	5%	0,1W
3473	4822 117 10833	10K	1%	0,1W
3474	4822 117 11188	20K	1%	0,1W
3475	4822 051 20392	3K90	5%	0,1W
3476	4822 051 20561	560R00	5%	0,1W
3477	4822 051 20202	2K00	5%	0,1W
3478	4822 117 11188	20K	1%	0,1W
3479	4822 117 10833	10K	1%	0,1W
3480	4822 051 20392	3K90	5%	0,1W
3481	4822 051 20561	560R00	5%	0,1W
3482	4822 051 20202	2K00	5%	0,1W
3483	4822 117 10833	10K	1%	0,1W
3484	4822 117 11188	20K	1%	0,1W
3485	4822 051 20392	3K90	5%	0,1W
3486	4822 051 20561	560R00	5%	0,1W
3487	4822 051 20202	2K00	5%	0,1W
3488	2120 108 94027	RST NETW SM RAC16	4X10K	PM5 R
3489	4822 117 10837	100K	1%	0.1W
3490	2120 108 94025	RST NETW SM RAC16	4X100R	PM5 R
3491	2120 108 94025	RST NETW SM RAC16	4X100R	PM5 R
3492	2120 108 94027	RST NETW SM RAC16	4X10K	PM5 R
3494	2120 108 94042	RST NETW SM RAC16	4X22R	PM5 R
3495	4822 117 10837	100K	1%	0.1W
3496	4822 051 20101	100R00	5%	0,1W
3498	2120 108 94027	RST NETW SM RAC16	4X10K	PM5 R
3499	2120 108 94049	RST NETW SM RAC16	4X4K7	PM5 R
3500	4822 051 20472	4K70	5%	0,1W
3501	2120 108 94042	RST NETW SM RAC16	4X22R	PM5 R
3502	2120 108 94042	RST NETW SM RAC16	4X22R	PM5 R

COILS & QUARTZ

5302	8241 010 40420	LEADED FERRITE BEADS
5303	8241 010 40420	LEADED FERRITE BEADS

5304	8241 010 40420	LEADED FERRITE BEADS
5305	8241 010 40420	LEADED FERRITE BEADS
5306	8241 010 40420	LEADED FERRITE BEADS
5307	8241 010 40420	LEADED FERRITE BEADS
5308	8241 010 40420	LEADED FERRITE BEADS
5309	8241 010 40420	LEADED FERRITE BEADS
5310	8241 010 40420	LEADED FERRITE BEADS
5311	8241 010 40420	LEADED FERRITE BEADS
5314	4822 157 11868	2.7UH 5%
5315	2422 535 94163	IND FXD LAL02 A 1U8 PM5 T
5316	2422 535 94163	IND FXD LAL02 A 1U8 PM5 T
5317	2422 535 94163	IND FXD LAL02 A 1U8 PM5 T
5318	3141 018 80340	CRYSTAL QUARTZ 12.5 MHZ
5319	3141 018 80590	CRYSTAL QUARTZ 27MHZ

DIODES

6302	4822 130 31981	BZX79-B3V9
6303	4822 130 30621	1N4148
6307	4822 130 30621	1N4148
6308	4822 130 30621	1N4148
6309	4822 130 30621	1N4148
6310	4822 130 30621	1N4148
6311	4822 130 30621	1N4148
6312	4822 130 30621	1N4148
6313	4822 130 30621	1N4148

TRANSISTORS & INTEGRATED CIRCUITS

7301	5322 130 40217	2N3904
7304	3141 018 50960	TRA SIG C9013 T
7313	3141 018 50980	TRA SIG C9015 T
7314	3141 018 50970	TRA SIG C9014 T
7315	3141 018 50970	TRA SIG C9014 T
7316	3141 018 50980	TRA SIG C9015 T
7317	3141 018 50970	TRA SIG C9014 T
7318	3141 018 50970	TRA SIG C9014 T
7319	3141 018 50970	TRA SIG C9014 T
7320	3141 018 50970	TRA SIG C9014 T
7322	5322 209 11517	PC74HCU04T
7325	3141 018 51060	IC SM AT24C01A
7327	3141 017 40260	IC SM ZR36703 PRO DVD707/751
7328	3141 018 51000	IC SM ZR36710
7329	3141 018 51010	IC SM KM416S1020 BT
7330	3141 018 51020	IC SM AV2188
7332	3141 018 51030	IC SM AV3168
7333	8241 010 45120	IC SMD NJM4560
7334	8241 010 45120	IC SMD NJM4560
7335	8241 010 45120	IC SMD NJM4560
7336	3141 018 50260	BA033T

Spare parts list DVD707/751

Front Board 3141 018 02510

MISCELLANEOUS

1400	3141 018 80310	VFD 14-ST-18GAK
1403	4822 265 30735	5 PINS
1411	4822 276 13114	SWITCH, PUSH BUTTON
1412	4822 276 13114	SWITCH, PUSH BUTTON
1413	4822 276 13114	SWITCH, PUSH BUTTON
1414	4822 276 13114	SWITCH, PUSH BUTTON
1415	4822 276 13114	SWITCH, PUSH BUTTON
1416	4822 276 13114	SWITCH, PUSH BUTTON
1417	4822 276 13114	SWITCH, PUSH BUTTON
1421	4822 265 30735	5 PINS
8401	3141 010 20890	CWAS 05PH/05OP 180 5 WH 26S
8402	3141 010 20860	CWAS XH5P/050P 170 5 26S

CAPACITORS

2401	4822 122 10183	100PF 5% 50V
2402	4822 124 40433	47UF20% 25V
2403	4822 122 10183	100PF 5% 50V
2404	4822 126 12882	100NF+80-20% 50V
2407	4822 126 12882	100NF+80-20% 50V
2416	4822 124 40433	47UF20% 25V

RESISTORS

3400	4822 116 83883	470R 5% 0,5W
3401	4822 050 21003	10K00 1% 0,6W
3402	4822 050 21003	10K00 1% 0,6W
3403	4822 050 21003	10K00 1% 0,6W
3404	4822 050 21003	10K00 1% 0,6W
3405	4822 050 21002	1K00 1% 0,6W
3406	4822 050 21003	10K00 1% 0,6W
3407	4822 116 52195	47E 5% 0,5W
3408	4822 116 52283	4K7 5% 0,5W
3409	4822 116 52283	4K7 5% 0,5W
3410	4822 116 52283	4K7 5% 0,5W
3411	4822 116 52283	4K7 5% 0,5W
3412	4822 116 83884	47K 5% 0,5W
3423	4822 050 21002	1K00 1% 0,6W
△ 3424	4822 052 10478	4R70 5% 0,33W
3430	4822 116 52175	100E 5% 0,5W
3431	4822 116 52175	100E 5% 0,5W
3432	4822 116 52175	100E 5% 0,5W

DIODES

6400	4822 130 30621	1N4148
6401	4822 130 30621	1N4148
6402	4822 130 31253	BZX79-C2V4
6413	4822 130 34398	BZX79-B24
6420	4822 130 82978	LTL-16KPE-P

TRANSISTORS & INTEGRATED CIRCUITS

7400	3141 018 50700	IC VFDDRIVER PT6311
7401	8241 010 45320	HEG836-16GP

9. Spare parts list DVD707/781

Mechanical

0200	3141 017 75130	CAB FRONT DVD707 PNT PRT
0204	3141 017 73990	WINDOW DVD728K PNT PRT
0205	3141 017 75060	BUTTON POWER DVD729K PNT
0219	3141 017 75500	DOOR DVD707/781 PNT PRT
0220	3139 241 20110	DOOR SPRING
0240	3141 017 75110	BUTTON CONTROL DVD729K PNT PRT
0242	3141 017 75120	RING DVD729K PNT PRT
0244	3139 244 00410	FOOT DVD711
0249	3139 243 10010	CUSHION
0384	3141 017 90150	REMOTE CONTROL DVD707/781
1001	3141 018 02490	PBAS PSU DVD729K/031
1002	3141 018 02480	PBAS MPEG DVD707/781
1004	3141 018 02510	PBAS FRONT DVD0707/781
1005	3141 018 02190	DVD729K LOADER MODULE
△5001	2422 070 98133	MAINSCORD EUR 1M5 BK B
8002	3141 010 20900	CWAS 40RK/40RK 230 40 GR 28S
8003	3141 010 20910	CWAS 08XH/08XH 500 8 WH 26S
8006	3141 010 20850	CWAS XH4P/LC4P 260 22S
△8008	3141 010 21000	SWI ASSY 1X2 M7.92 290 18S

Power Supply Board 3141 018 02490

MISCELLANEOUS

△1001	4822 265 31015	CONNECTOR, ELECTRICAL OTHERS
△1002	8241 010 03090	FUSE T1.25A 250V
△1004	3141 010 30330	CON BM B 2P M 7.92 B
1005	2422 025 09013	CON BM V 5P M 2.50 XH A B
1006	2422 025 09074	CONNECTOR 8P TOP
1007	2422 025 09904	CON BM V 4P M 2.50 XH B

CAPACITORS

2001	3141 018 80530	CAP MPP 275V S 100N PM10 B
△2002	3141 018 80520	CAP MPP 275V S 220N PM10 B
△2003	3141 018 80370	CERSAF NSA 400V S 470P PM10 B
△2004	3141 018 80370	CERSAF NSA 400V S 470P PM10 B
2005	3141 018 80450	ELCAP CD294 400V 68U PM20 B
△2006	3141 018 80380	CERSAF NSA 400V S 1N PM20 B
△2007	3141 018 80380	CERSAF NSA 400V S 1N PM20 B
2008	3141 018 80550	CER2 DC 1KV S 10N PM20 B
2009	3141 018 80560	CER2 DC 1KV S 220P PM10 B
2010	4822 126 13499	220PF 5% NP0 50V
2011	4822 124 23057	4,7UF 20% 50V
2012	4822 121 51304	10NF 10% 50V
2013	4822 124 81151	22UF 50V
2014	4822 124 21913	1UF20% 63V
2015	5322 122 32311	470PF 10% 100V
2016	5322 122 32052	680PF 10% 100V
2017	4822 124 21913	1UF20% 63V

2018	4822 126 14217	100NF 20% Y5V 0805 50V
2019	3141 018 80570	CER2 DC 1KV S 1N P8020 B
2020	3141 018 80470	ELCAP WLR 10V 1000U PM20
2021	4822 124 80195	470UF20% 10V
2022	3141 018 80560	CER2 DC 1KV S 220P PM10 B
2023	3141 018 80490	ELCAP 16V 470U PM20
2024	4822 124 80791	470UF 16V 20% 105C DXH=8X11,5
2025	3141 018 80560	CER2 DC 1KV S 220P PM10 B
2026	3141 018 80500	ELCAP 16V 220U PM20
2027	4822 124 80791	470UF 16V 20% 105C DXH=8X11,5
2028	3141 018 80560	CER2 DC 1KV S 220P PM10 B
2029	3141 018 80510	ELCAP 50V 100U PM20
2030	3141 018 80560	CER2 DC 1KV S 220P PM10 B
2031	3141 018 80480	ELCAP CD263 10V 470U PM20

RESISTORS

△3001	3141 018 80440	VDR DC 10K 470V
△3002	3141 018 80430	NTC THERMISTOR 3A 8R PM10 B
3003	3141 018 80390	RST MLFM 1W S 300K PM5
3004	3141 018 80400	RST MLFM 1W S 51K PM5
3005	4822 116 52307	91K 5% 0,5W
3006	3141 018 80540	RST CRB CR25 A 96K PM5 A
3007	4822 050 21004	100K00 1% 0,6W
3008	4822 050 21004	100K00 1% 0,6W
3009	4822 050 27502	7K50 1% 0,6W
3010	4822 116 52176	10E 5% 0,5W
3011	4822 050 21002	1K00 1% 0,6W
3012	4822 050 21004	100K00 1% 0,6W
3013	4822 050 21301	130R00 1% 0,6W
3014	4822 050 21509	15R00 1% 0,6W
3015	4822 050 22402	2K40 1% 0,6W
3016	3141 018 80410	RST MLFM 1W A 0R75 PM5
3017	4822 050 25101	510R00 1% 0,6W
3018	4822 050 21202	1K20 1% 0,6W
3019	4822 050 21003	10K00 1% 0,6W
3020	4822 053 10102	1K00 5% 1W
3021	4822 050 21002	1K00 1% 0,6W
3022	4822 050 21002	1K00 1% 0,6W
3023	4822 050 21802	1K80 1% 0,6W
3025	4822 050 25101	510R00 1% 0,6W
3026	4822 050 27502	7K50 1% 0,6W
3027	4822 050 23002	3K00 1% 0,6W
3028	4822 050 25603	56K00 1% 0,6W
3029	2120 105 93387	RST MOX 1W ERG1F S 10R PM5 B
3030	4822 116 82958	100R 5% 1W
3031	4822 053 10181	180R00 5% 1W
3032	3141 018 80420	RST MLFM 1W A 510R PM5
3033	2341 211 13123	RST CRB CR25 A 12K PM5 A
3035	4822 050 21002	1K00 1% 0,6W
3036	4822 050 21002	1K00 1% 0,6W
3037	2322 211 73308	RST CRB CR25 A 3R PM5 A
3038	2122 101 02083	RST CRB CFR25S A 1R5 PM5 A
3039	4822 050 22008	2R00 1% 0,6W
3040	4822 053 10682	6K80 5% 1W

COILS & QUARTZ

△5001	3141 018 20470	CHOKE COIL 300UH 7TS X 0.4 PM17
△5002	3141 018 20460	CHOKE COIL 31MH 160TS X 0.2 PM10
△5003	3141 018 31200	TFM POW EF TFS-3001
5004	3141 018 20480	IND FXD Ø8 X 0.5 12UH PM5
5005	3141 018 20480	IND FXD Ø8 X 0.5 12UH PM5
5006	3141 018 20490	IND FXD Ø5 X 0.35 12UH PM5

DIODES

6001	5322 130 34574	1N4004G
6002	5322 130 34574	1N4004G
6003	5322 130 34574	1N4004G
6004	5322 130 34574	1N4004G
6005	3141 018 51160	DIO REC HER108
6006	4822 130 34379	BZX79-B27
6007	4822 130 34398	BZX79-B24
6008	4822 130 30621	1N4148
6009	4822 130 30621	1N4148
6010	3141 018 51230	DIO REC FR104
6011	4822 130 34499	BZX79-B20
6012	3141 018 51240	DIO REC SR560
6013	9965 000 09322	RECTIFIER DIODE FR302
6014	3141 018 51160	DIO REC HER108
6015	4822 130 30862	BZX79-B9V1
6016	3141 018 51230	DIO REC FR104
6017	3141 018 51230	DIO REC FR104

TRANSISTORS & INTEGRATED CIRCUITS

7001	3141 018 51170	TRA SIG S9012
7002	3141 018 51170	TRA SIG S9012
7003	3141 018 50960	TRA SIG C9013 T
7004	3141 018 51200	FET SIG IRFBC40A
7005	3141 018 51170	TRA SIG S9012
7006	3141 018 51180	TRA SIG H1015
7007	3141 018 50960	TRA SIG C9013 T
△7008	3141 018 51260	OPT CP Q817B
7009	3141 018 51190	TRA SIG WL431

Spare parts list DVD707/781

MPEG Board 3141 018 02480

MISCELLANEOUS

1304	4822 267 40624	5-FOLD X
1307	2422 025 09904	CON BM V 4P M 2.50 XH B
1311	3141 010 30340	CON BM V 40P M 2.54 103308B
1312	2422 025 09074	CONNECTOR 8P TOP
1313	3141 010 30070	MICRO-SHUNT V 2P M 2.54
1320	3141 010 30300	CON BM CINCH V 3P F GNBURD
1321	3141 010 30320	CON BM CINCH V 6P F B
1322	3141 010 30250	CON S-VEDIO AND CVBS
1323	3141 010 30310	CON BM CINCH V 3P F WHRDBK B
1325	3141 018 40180	SWI TACT 2P 20MA 15V EVQ21 A

CAPACITORS

2301	5322 122 32531	100PF 5%NP0 50V
2302	5322 122 32531	100PF 5%NP0 50V
2303	4822 126 14585	100NF 10% X7R 0805 50V
2304	5322 122 32531	100PF 5%NP0 50V
2305	5322 122 32531	100PF 5%NP0 50V
2306	5322 122 32531	100PF 5%NP0 50V
2307	5322 122 32531	100PF 5%NP0 50V
2308	5322 122 32531	100PF 5%NP0 50V
2309	5322 122 32531	100PF 5%NP0 50V
2310	5322 122 32531	100PF 5%NP0 50V
2311	4822 126 14585	100NF 10% X7R 0805 50V
2313	2020 012 93504	ELCAP KA 16V S 100U PM20 A
2314	4822 126 14585	100NF 10% X7R 0805 50V
2315	4822 126 14585	100NF 10% X7R 0805 50V
2316	4822 124 23624	47UF20% 16V
2317	4822 126 14585	100NF 10% X7R 0805 50V
2318	4822 124 23624	47UF20% 16V
2319	4822 126 14585	100NF 10% X7R 0805 50V
2320	4822 126 14585	100NF 10% X7R 0805 50V
2322	4822 126 14585	100NF 10% X7R 0805 50V
2324	4822 126 14585	100NF 10% X7R 0805 50V
2325	4822 126 14585	100NF 10% X7R 0805 50V
2326	4822 124 23624	47UF20% 16V
2327	4822 126 14585	100NF 10% X7R 0805 50V
2328	4822 124 23624	47UF20% 16V
2331	4822 126 14585	100NF 10% X7R 0805 50V
2333	4822 126 14585	100NF 10% X7R 0805 50V
2336	4822 126 14585	100NF 10% X7R 0805 50V
2337	4822 124 40207	100UF20% 25V
2338	4822 126 14585	100NF 10% X7R 0805 50V
2339	5322 122 32531	100PF 5%NP0 50V
2340	5322 122 32531	100PF 5%NP0 50V
2341	5322 122 32531	100PF 5%NP0 50V
2342	5322 122 32531	100PF 5%NP0 50V
2343	5322 122 32531	100PF 5%NP0 50V
2344	5322 122 32531	100PF 5%NP0 50V
2345	5322 122 32531	100PF 5%NP0 50V
2346	5322 122 32531	100PF 5%NP0 50V

2347	4822 126 14585	100NF 10% X7R 0805 50V
2348	4822 124 40207	100UF20% 25V
2349	4822 126 14585	100NF 10% X7R 0805 50V
2350	4822 126 13486	15PF 2% NP0 63V
2351	4822 126 14585	100NF 10% X7R 0805 50V
2355	4822 126 14585	100NF 10% X7R 0805 50V
2356	4822 126 14585	100NF 10% X7R 0805 50V
2357	4822 126 14585	100NF 10% X7R 0805 50V
2358	5322 122 32658	22PF 5% 50V
2359	5322 122 32658	22PF 5% 50V
2361	2020 012 93504	ELCAP KA 16V S 100U PM20 A
2362	4822 124 23624	47UF20% 16V
2363	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2364	4822 126 13473	220NF80-20% 50V
2365	5322 122 32658	22PF 5% 50V
2366	4822 126 14585	100NF 10% X7R 0805 50V
2367	5322 122 32659	33PF 5% 50V
2368	4822 126 14585	100NF 10% X7R 0805 50V
2369	4822 124 40207	100UF20% 25V
2370	2222 580 19809	CER2 0805 Y5V 50V 47N COL R
2371	4822 126 14585	100NF 10% X7R 0805 50V
2373	4822 126 14585	100NF 10% X7R 0805 50V
2375	4822 124 23624	47UF20% 16V
2376	4822 124 23624	47UF20% 16V
2378	4822 126 14585	100NF 10% X7R 0805 50V
2379	4822 126 14585	100NF 10% X7R 0805 50V
2380	4822 126 14585	100NF 10% X7R 0805 50V
2381	4822 126 14585	100NF 10% X7R 0805 50V
2382	4822 126 14585	100NF 10% X7R 0805 50V
2385	4822 126 14585	100NF 10% X7R 0805 50V
2386	4822 126 14585	100NF 10% X7R 0805 50V
2391	4822 124 40433	47UF20% 25V
2392	4822 124 40433	47UF20% 25V
2393	4822 126 14585	100NF 10% X7R 0805 50V
2394	4822 126 14585	100NF 10% X7R 0805 50V
2398	4822 124 81108	0,47UF20% 50V
2401	4822 126 14585	100NF 10% X7R 0805 50V
2403	4822 124 23624	47UF20% 16V
2404	4822 126 14585	100NF 10% X7R 0805 50V
2406	4822 124 81108	0,47UF20% 50V
2411	4822 126 14585	100NF 10% X7R 0805 50V
2412	5322 122 32658	22PF 5% 50V
2413	4822 124 40196	220UF20% 16V
2414	4822 126 14585	100NF 10% X7R 0805 50V
2415	4822 126 14585	100NF 10% X7R 0805 50V
2416	4822 126 14585	100NF 10% X7R 0805 50V
2420	4822 126 14585	100NF 10% X7R 0805 50V
2421	5322 122 32658	22PF 5% 50V
2422	4822 124 40196	220UF20% 16V
2423	4822 124 23624	47UF20% 16V
2426	5322 122 32658	22PF 5% 50V
2427	4822 124 40196	220UF20% 16V
2428	4822 126 14585	100NF 10% X7R 0805 50V
2429	4822 126 14585	100NF 10% X7R 0805 50V

2433	4822 126 14585	100NF 10% X7R 0805 50V
2434	2020 012 93504	ELCAP KA 16V S 100U PM20 A
2435	5322 122 33861	120PF10% 50V
2436	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2437	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2438	4822 126 13344	1,5NF 5% 63V
2440	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2441	5322 122 33861	120PF10% 50V
2442	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2443	4822 126 13344	1,5NF 5% 63V
2444	4822 126 14585	100NF 10% X7R 0805 50V
2445	4822 126 14585	100NF 10% X7R 0805 50V
2446	5322 122 33861	120PF10% 50V
2447	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2448	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2449	4822 126 13344	1,5NF 5% 63V
2450	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2451	5322 122 33861	120PF10% 50V
2452	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2453	4822 126 13344	1,5NF 5% 63V
2454	4822 126 14585	100NF 10% X7R 0805 50V
2455	4822 126 14585	100NF 10% X7R 0805 50V
2456	5322 122 33861	120PF10% 50V
2457	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2458	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2459	4822 126 13344	1,5NF 5% 63V
2460	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2461	5322 122 33861	120PF10% 50V
2462	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2463	4822 126 13344	1,5NF 5% 63V
2464	4822 126 14585	100NF 10% X7R 0805 50V
2465	5322 122 32531	100PF 5%NP0 50V
2466	5322 122 32531	100PF 5%NP0 50V
2467	5322 122 32658	22PF 5% 50V

RESISTORS

3305	4822 051 20339	33R00 5% 0,1W
3309	4822 051 20008	0R00 JUMP. (0805)
3311	4822 051 20474	470K00 5% 0,1W
3312	4822 117 10833	10K 1% 0,1W
3313	4822 117 10833	10K 1% 0,1W
3314	4822 051 20102	1K00 5% 0,1W
3315	4822 117 13577	330R 1% RC12H 0805 1,25W
3316	4822 051 20919	91R00 5% 0,1W
3318	4822 051 20102	1K00 5% 0,1W
3319	2120 108 94042	RST NETW SM RAC16 4X22R PM5 R
3320	2120 108 94042	RST NETW SM RAC16 4X22R PM5 R
3324	4822 117 10837	100K 1% 0,1W
3325	4822 117 10837	100K 1% 0,1W
3326	4822 051 20478	4R70 5% 0,1W
3327	4822 117 10837	100K 1% 0,1W
3328	4822 117 10837	100K 1% 0,1W
3329	4822 117 10837	100K 1% 0,1W
3330	4822 117 10837	100K 1% 0,1W

Spare parts list DVD707/781

3331	4822 117 10833	10K	1%	0,1W
3332	4822 051 20339	33R00	5%	0,1W
3336	4822 051 20339	33R00	5%	0,1W
3339	4822 051 20102	1K00	5%	0,1W
3340	4822 051 20102	1K00	5%	0,1W
3346	4822 051 20109	10R00	5%	0,1W
3348	4822 051 20109	10R00	5%	0,1W
3349	4822 117 10833	10K	1%	0,1W
3350	4822 051 20562	5K6	5%	0,1W 0805
3351	4822 051 20472	4K70	5%	0,1W
3352	4822 051 20472	4K70	5%	0,1W
3354	4822 117 10833	10K	1%	0,1W
3360	4822 051 20472	4K70	5%	0,1W
3362	4822 051 20472	4K70	5%	0,1W
3363	4822 051 20102	1K00	5%	0,1W
3364	4822 051 20472	4K70	5%	0,1W
3365	4822 051 20472	4K70	5%	0,1W
3366	4822 051 20472	4K70	5%	0,1W
3367	4822 051 20008	0R00	JUMP.	(0805)
3370	4822 051 20008	0R00	JUMP.	(0805)
3372	4822 051 20008	0R00	JUMP.	(0805)
3373	4822 117 13577	330R	1%	RC12H 0805 1,25W
3374	4822 051 20101	100R00	5%	0,1W
3375	4822 117 10833	10K	1%	0,1W
3376	4822 117 10833	10K	1%	0,1W
3377	4822 051 20109	10R00	5%	0,1W
3381	4822 116 52188	27E	5%	0,5W
3382	4822 051 20102	1K00	5%	0,1W
3383	4822 051 20339	33R00	5%	0,1W
3387	4822 051 20101	100R00	5%	0,1W
3388	4822 051 20101	100R00	5%	0,1W
3389	4822 117 11448	180R	1%	0,1W
3390	2120 108 94042	RST NETW SM RAC16	4X22R	PM5 R
3391	2120 108 94042	RST NETW SM RAC16	4X22R	PM5 R
3393	2120 108 94042	RST NETW SM RAC16	4X22R	PM5 R
3400	2120 108 94049	RST NETW SM RAC16	4X4K7	PM5 R
3401	4822 051 20472	4K70	5%	0,1W
3402	2120 108 94025	RST NETW SM RAC16	4X100R	PM5 R
3412	4822 117 11503	220R	1%	0,1W
3413	4822 117 11503	220R	1%	0,1W
3420	4822 051 20472	4K70	5%	0,1W
3433	4822 051 20102	1K00	5%	0,1W
3434	4822 051 20102	1K00	5%	0,1W
3438	4822 117 13528	200R	1%	0,125W 0805
3440	4822 117 11927	75R	1%	0,1W
3441	4822 117 10837	100K	1%	0,1W
3443	4822 117 11927	75R	1%	0,1W
3444	4822 117 10837	100K	1%	0,1W
3448	4822 117 11927	75R	1%	0,1W
3449	4822 117 10837	100K	1%	0,1W
3450	4822 117 11507	6K8	1%	0,1W
3451	4822 117 11188	20K	1%	0,1W
3452	4822 051 20471	470R00	5%	0,1W
3453	4822 117 10833	10K	1%	0,1W

3454	4822 051 20392	3K90	5%	0,1W
3455	4822 051 20561	560R00	5%	0,1W
3456	4822 117 10833	10K	1%	0,1W
3457	4822 051 20202	2K00	5%	0,1W
3458	4822 117 10833	10K	1%	0,1W
3459	4822 117 11188	20K	1%	0,1W
3460	4822 117 11507	6K8	1%	0,1W
3461	4822 051 20392	3K90	5%	0,1W
3462	4822 051 20561	560R00	5%	0,1W
3463	4822 051 20202	2K00	5%	0,1W
3464	4822 117 10362	7K5	1%	0,1W
3465	4822 117 10833	10K	1%	0,1W
3466	4822 051 20223	22K00	5%	0,1W
3467	4822 117 11188	20K	1%	0,1W
3469	4822 117 10833	10K	1%	0,1W
3470	4822 051 20392	3K90	5%	0,1W
3471	4822 051 20561	560R00	5%	0,1W
3472	4822 051 20202	2K00	5%	0,1W
3473	4822 117 10833	10K	1%	0,1W
3474	4822 117 11188	20K	1%	0,1W
3475	4822 051 20392	3K90	5%	0,1W
3476	4822 051 20561	560R00	5%	0,1W
3477	4822 051 20202	2K00	5%	0,1W
3478	4822 117 11188	20K	1%	0,1W
3479	4822 117 10833	10K	1%	0,1W
3480	4822 051 20392	3K90	5%	0,1W
3481	4822 051 20561	560R00	5%	0,1W
3482	4822 051 20202	2K00	5%	0,1W
3483	4822 117 10833	10K	1%	0,1W
3484	4822 117 11188	20K	1%	0,1W
3485	4822 051 20392	3K90	5%	0,1W
3486	4822 051 20561	560R00	5%	0,1W
3487	4822 051 20202	2K00	5%	0,1W
3488	2120 108 94027	RST NETW SM RAC16	4X10K	PM5 R
3489	4822 117 10837	100K	1%	0,1W
3490	2120 108 94025	RST NETW SM RAC16	4X100R	PM5 R
3491	2120 108 94025	RST NETW SM RAC16	4X100R	PM5 R
3492	2120 108 94027	RST NETW SM RAC16	4X10K	PM5 R
3494	2120 108 94042	RST NETW SM RAC16	4X22R	PM5 R
3495	4822 117 10837	100K	1%	0,1W
3496	4822 051 20101	100R00	5%	0,1W
3498	2120 108 94027	RST NETW SM RAC16	4X10K	PM5 R
3499	2120 108 94049	RST NETW SM RAC16	4X4K7	PM5 R
3500	4822 051 20472	4K70	5%	0,1W
3501	2120 108 94042	RST NETW SM RAC16	4X22R	PM5 R
3502	2120 108 94042	RST NETW SM RAC16	4X22R	PM5 R

COILS & QUARTZ

5302	8241 010 40420	LEADED FERRITE BEADS
5303	8241 010 40420	LEADED FERRITE BEADS
5304	8241 010 40420	LEADED FERRITE BEADS
5305	8241 010 40420	LEADED FERRITE BEADS
5306	8241 010 40420	LEADED FERRITE BEADS
5307	8241 010 40420	LEADED FERRITE BEADS

5308	8241 010 40420	LEADED FERRITE BEADS
5309	8241 010 40420	LEADED FERRITE BEADS
5310	8241 010 40420	LEADED FERRITE BEADS
5311	8241 010 40420	LEADED FERRITE BEADS
5314	4822 157 11868	2.7UH 5%
5315	2422 535 94163	IND FXD LAL02 A 1U8 PM5 T
5316	2422 535 94163	IND FXD LAL02 A 1U8 PM5 T
5317	2422 535 94163	IND FXD LAL02 A 1U8 PM5 T
5318	3141 018 80340	CRYSTAL QUARTZ 12.5 MHZ
5319	3141 018 80590	CRYSTAL QUARTZ 27MHZ

DIODES

6302	4822 130 31981	BZX79-B3V9
6303	4822 130 30621	1N4148
6307	4822 130 30621	1N4148
6308	4822 130 30621	1N4148
6309	4822 130 30621	1N4148
6310	4822 130 30621	1N4148
6311	4822 130 30621	1N4148
6312	4822 130 30621	1N4148
6313	4822 130 30621	1N4148

TRANSISTORS & INTEGRATED CIRCUITS

7301	5322 130 40217	2N3904
7304	3141 018 50960	TRA SIG C9013 T
7313	3141 018 50980	TRA SIG C9015 T
7314	3141 018 50970	TRA SIG C9014 T
7315	3141 018 50970	TRA SIG C9014 T
7316	3141 018 50980	TRA SIG C9015 T
7317	3141 018 50970	TRA SIG C9014 T
7318	3141 018 50970	TRA SIG C9014 T
7319	3141 018 50970	TRA SIG C9014 T
7320	3141 018 50970	TRA SIG C9014 T
7322	5322 209 11517	PC74HCU04T
7325	3141 018 51060	IC SM AT24C01A
7327	3141 017 40100	PRO IC SM ZR36703
7328	3141 018 51000	IC SM ZR36710
7329	3141 018 51010	IC SM KM416S1020 BT
7330	3141 018 51020	IC SM AV2188
7332	3141 018 51030	IC SM AV3168
7333	8241 010 45120	IC SMD NJM4560
7334	8241 010 45120	IC SMD NJM4560
7335	8241 010 45120	IC SMD NJM4560
7336	3141 018 50260	BA033T

Spare parts list DVD707/781

Front Board 3141 018 02510

MISCELLANEOUS

1400	3141 018 80310	VFD 14-ST-18GAK
1403	4822 265 30735	5 PINS
1411	4822 276 13114	SWITCH, PUSH BUTTON
1412	4822 276 13114	SWITCH, PUSH BUTTON
1413	4822 276 13114	SWITCH, PUSH BUTTON
1414	4822 276 13114	SWITCH, PUSH BUTTON
1415	4822 276 13114	SWITCH, PUSH BUTTON
1416	4822 276 13114	SWITCH, PUSH BUTTON
1417	4822 276 13114	SWITCH, PUSH BUTTON
1421	4822 265 30735	5 PINS
8401	3141 010 20890	CWAS 05PH/05OP 180 5 WH 26S
8402	3141 010 20860	CWAS XH5P/050P 170 5 26S

CAPACITORS

2401	4822 122 10183	100PF 5% 50V
2402	4822 124 40433	47UF20% 25V
2403	4822 122 10183	100PF 5% 50V
2404	4822 126 12882	100NF+80-20% 50V
2407	4822 126 12882	100NF+80-20% 50V
2416	4822 124 40433	47UF20% 25V

RESISTORS

3400	4822 116 83883	470R 5% 0,5W
3401	4822 050 21003	10K00 1% 0,6W
3402	4822 050 21003	10K00 1% 0,6W
3403	4822 050 21003	10K00 1% 0,6W
3404	4822 050 21003	10K00 1% 0,6W
3405	4822 050 21002	1K00 1% 0,6W
3406	4822 050 21003	10K00 1% 0,6W
3407	4822 116 52195	47E 5% 0,5W
3408	4822 116 52283	4K7 5% 0,5W
3409	4822 116 52283	4K7 5% 0,5W
3410	4822 116 52283	4K7 5% 0,5W
3411	4822 116 52283	4K7 5% 0,5W
3412	4822 116 83884	47K 5% 0,5W
3423	4822 050 21002	1K00 1% 0,6W
△3424	4822 052 10478	4R70 5% 0,33W
3430	4822 116 52175	100E 5% 0,5W
3431	4822 116 52175	100E 5% 0,5W
3432	4822 116 52175	100E 5% 0,5W

DIODES

6400	4822 130 30621	1N4148
6401	4822 130 30621	1N4148
6402	4822 130 31253	BZX79-C2V4
6413	4822 130 34398	BZX79-B24
6420	4822 130 82978	LTL-16KPE-P

TRANSISTORS & INTEGRATED CIRCUITS

7400	3141 018 50700	IC VFDDRIVER PT6311
7401	8241 010 45320	HEG836-16GP

10. Spare parts list DVD707/782

Mechanical

0200	3141 017 75130	CAB FRONT DVD707 PNT PRT
0204	3141 017 73990	WINDOW DVD728K PNT PRT
0205	3141 017 75060	BUTTON POWER DVD729K PNT
0219	3141 017 75500	DOOR DVD707/781 PNT PRT
0220	3139 241 20110	DOOR SPRING
0240	3141 017 75110	BUTTON CONTROL DVD729K PNT PRT
0242	3141 017 75120	RING DVD729K PNT PRT
0244	3139 244 00410	FOOT DVD711
0249	3139 243 10010	CUSHION
0384	3141 017 90150	REMOTE CONTROL DVD707/781
1001	3141 018 02490	PBAS PSU DVD729K/031
1002	3141 018 02480	PBAS MPEG DVD707/781
1004	3141 018 02510	PBAS FRONT DVD0707/781
1005	3141 018 02190	DVD729K LOADER MODULE
△5001	2422 070 98133	MAINSKORD EUR 1M5 BK B
8002	3141 010 20900	CWAS 40RK/40RK 230 40 GR 28S
8003	3141 010 20910	CWAS 08XH/08XH 500 8 WH 26S
8006	3141 010 20850	CWAS XH4P/LC4P 260 22S
△8008	3141 010 21000	SWI ASSY 1X2 M7.92 290 18S

Power Supply Board 3141 018 02490

MISCELLANEOUS

△1001	4822 265 31015	CONNECTOR, ELECTRICAL OTHERS
△1002	8241 010 03090	FUSE T1.25A 250V
△1004	3141 010 30330	CON BM B 2P M 7.92 B
1005	2422 025 09013	CON BM V 5P M 2.50 XH A B
1006	2422 025 09074	CONNECTOR 8P TOP
1007	2422 025 09904	CON BM V 4P M 2.50 XH B

CAPACITORS

2001	3141 018 80530	CAP MPP 275V S 100N PM10 B
△2002	3141 018 80520	CAP MPP 275V S 220N PM10 B
△2003	3141 018 80370	CERSAF NSA 400V S 470P PM10 B
△2004	3141 018 80370	CERSAF NSA 400V S 470P PM10 B
2005	3141 018 80450	ELCAP CD294 400V 68U PM20 B
△2006	3141 018 80380	CERSAF NSA 400V S 1N PM20 B
△2007	3141 018 80380	CERSAF NSA 400V S 1N PM20 B
2008	3141 018 80550	CER2 DC 1KV S 10N PM20 B
2009	3141 018 80560	CER2 DC 1KV S 220P PM10 B
2010	4822 126 13499	220PF 5% NP0 50V
2011	4822 124 23057	4.7UF 20% 50V
2012	4822 121 51304	10NF 10% 50V
2013	4822 124 81151	22UF 50V
2014	4822 124 21913	1UF20% 63V
2015	5322 122 32311	470PF 10% 100V
2016	5322 122 32052	680PF 10% 100V

2017	4822 124 21913	1UF20% 63V
2018	4822 126 14217	100NF 20% Y5V 0805 50V
2019	3141 018 80570	CER2 DC 1KV S 1N P8020 B
2020	3141 018 80470	ELCAP WLR 10V 1000U PM20
2021	4822 124 80195	470UF20% 10V
2022	3141 018 80560	CER2 DC 1KV S 220P PM10 B
2023	3141 018 80490	ELCAP 16V 470U PM20
2024	4822 124 80791	470UF 16V 20% 105C DXH=8X11,5
2025	3141 018 80560	CER2 DC 1KV S 220P PM10 B
2026	3141 018 80500	ELCAP 16V 220U PM20
2027	4822 124 80791	470UF 16V 20% 105C DXH=8X11,5
2028	3141 018 80560	CER2 DC 1KV S 220P PM10 B
2029	3141 018 80510	ELCAP 50V 100U PM20
2030	3141 018 80560	CER2 DC 1KV S 220P PM10 B
2031	3141 018 80480	ELCAP CD263 10V 470U PM20

RESISTORS

△3001	3141 018 80440	VDR DC 10K 470V
△3002	3141 018 80430	NTC THERMISTOR 3A 8R PM10 B
3003	3141 018 80390	RST MLFM 1W S 300K PM5
3004	3141 018 80400	RST MLFM 1W S 51K PM5
3005	4822 116 52307	91K 5% 0,5W
3006	3141 018 80540	RST CRB CR25 A 96K PM5 A
3007	4822 050 21004	100K00 1% 0,6W
3008	4822 050 21004	100K00 1% 0,6W
3009	4822 050 27502	7K50 1% 0,6W
3010	4822 116 52176	10E 5% 0,5W
3011	4822 050 21002	1K00 1% 0,6W
3012	4822 050 21004	100K00 1% 0,6W
3013	4822 050 21301	130R00 1% 0,6W
3014	4822 050 21509	15R00 1% 0,6W
3015	4822 050 22402	2K40 1% 0,6W
3016	3141 018 80410	RST MLFM 1W A 0R75 PM5
3017	4822 050 25101	510R00 1% 0,6W
3018	4822 050 21202	1K20 1% 0,6W
3019	4822 050 21003	10K00 1% 0,6W
3020	4822 053 10102	1K00 5% 1W
3021	4822 050 21002	1K00 1% 0,6W
3022	4822 050 21002	1K00 1% 0,6W
3023	4822 050 21802	1K80 1% 0,6W
3025	4822 050 25101	510R00 1% 0,6W
3026	4822 050 27502	7K50 1% 0,6W
3027	4822 050 23002	3K00 1% 0,6W
3028	4822 050 25603	56K00 1% 0,6W
3029	2120 105 93387	RST MOX 1W ERG1F S 10R PM5 B
3030	4822 116 82958	100R 5% 1W
3031	4822 053 10181	180R00 5% 1W
3032	3141 018 80420	RST MLFM 1W A 510R PM5
3033	2341 211 13123	RST CRB CR25 A 12K PM5 A
3035	4822 050 21002	1K00 1% 0,6W
3036	4822 050 21002	1K00 1% 0,6W
3037	2322 211 73308	RST CRB CR25 A 3R PM5 A
3038	2122 101 02083	RST CRB CFR25S A 1R5 PM5 A
3039	4822 050 22008	2R00 1% 0,6W
3040	4822 053 10682	6K80 5% 1W

COILS & QUARTZ

△5001	3141 018 20470	CHOKE COIL 300UH 7TS X 0.4 PM17
△5002	3141 018 20460	CHOKE COIL 31MH 160TS X 0.2 PM10
△5003	3141 018 31200	TFM POW EF TFS-3001
5004	3141 018 20480	IND FXD Ø8 X 0.5 12UH PM5
5005	3141 018 20480	IND FXD Ø8 X 0.5 12UH PM5
5006	3141 018 20490	IND FXD Ø5 X 0.35 12UH PM5

DIODES

6001	5322 130 34574	1N4004G
6002	5322 130 34574	1N4004G
6003	5322 130 34574	1N4004G
6004	5322 130 34574	1N4004G
6005	3141 018 51160	DIO REC HER108
6006	4822 130 34379	BZX79-B27
6007	4822 130 34398	BZX79-B24
6008	4822 130 30621	1N4148
6009	4822 130 30621	1N4148
6010	3141 018 51230	DIO REC FR104
6011	4822 130 34499	BZX79-B20
6012	3141 018 51240	DIO REC SR560
6013	9965 000 09322	RECTIFIER DIODE FR302
6014	3141 018 51160	DIO REC HER108
6015	4822 130 30862	BZX79-B9V1
6016	3141 018 51230	DIO REC FR104
6017	3141 018 51230	DIO REC FR104

TRANSISTORS & INTEGRATED CIRCUITS

7001	3141 018 51170	TRA SIG S9012
7002	3141 018 51170	TRA SIG S9012
7003	3141 018 50960	TRA SIG C9013 T
7004	3141 018 51200	FET SIG IRFBC40A
7005	3141 018 51170	TRA SIG S9012
7006	3141 018 51180	TRA SIG H1015
7007	3141 018 50960	TRA SIG C9013 T
△7008	3141 018 51260	OPT CP Q817B
7009	3141 018 51190	TRA SIG WL431

Spare parts list DVD707/782

MPEG Board 3141 018 02480

MISCELLANEOUS

1304	4822 267 40624	5-FOLD X
1307	2422 025 09904	CON BM V 4P M 2.50 XH B
1311	3141 010 30340	CON BM V 40P M 2.54 103308B
1312	2422 025 09074	CONNECTOR 8P TOP
1313	3141 010 30070	MICRO-SHUNT V 2P M 2.54
1320	3141 010 30300	CON BM CINCH V 3P F GNBURD
1321	3141 010 30320	CON BM CINCH V 6P F B
1322	3141 010 30250	CON S-VEDIO AND CVBS
1323	3141 010 30310	CON BM CINCH V 3P F WHRDBK B
1325	3141 018 40180	SWI TACT 2P 20MA 15V EVQ21 A

CAPACITORS

2301	5322 122 32531	100PF 5%NP0 50V
2302	5322 122 32531	100PF 5%NP0 50V
2303	4822 126 14585	100NF 10% X7R 0805 50V
2304	5322 122 32531	100PF 5%NP0 50V
2305	5322 122 32531	100PF 5%NP0 50V
2306	5322 122 32531	100PF 5%NP0 50V
2307	5322 122 32531	100PF 5%NP0 50V
2308	5322 122 32531	100PF 5%NP0 50V
2309	5322 122 32531	100PF 5%NP0 50V
2310	5322 122 32531	100PF 5%NP0 50V
2311	4822 126 14585	100NF 10% X7R 0805 50V
2313	2020 012 93504	ELCAP KA 16V S 100U PM20 A
2314	4822 126 14585	100NF 10% X7R 0805 50V
2315	4822 126 14585	100NF 10% X7R 0805 50V
2316	4822 124 23624	47UF20% 16V
2317	4822 126 14585	100NF 10% X7R 0805 50V
2318	4822 124 23624	47UF20% 16V
2319	4822 126 14585	100NF 10% X7R 0805 50V
2320	4822 126 14585	100NF 10% X7R 0805 50V
2322	4822 126 14585	100NF 10% X7R 0805 50V
2324	4822 126 14585	100NF 10% X7R 0805 50V
2325	4822 126 14585	100NF 10% X7R 0805 50V
2326	4822 124 23624	47UF20% 16V
2327	4822 126 14585	100NF 10% X7R 0805 50V
2328	4822 124 23624	47UF20% 16V
2331	4822 126 14585	100NF 10% X7R 0805 50V
2333	4822 126 14585	100NF 10% X7R 0805 50V
2336	4822 126 14585	100NF 10% X7R 0805 50V
2337	4822 124 40207	100UF20% 25V
2338	4822 126 14585	100NF 10% X7R 0805 50V
2339	5322 122 32531	100PF 5%NP0 50V
2340	5322 122 32531	100PF 5%NP0 50V
2341	5322 122 32531	100PF 5%NP0 50V
2342	5322 122 32531	100PF 5%NP0 50V
2343	5322 122 32531	100PF 5%NP0 50V
2344	5322 122 32531	100PF 5%NP0 50V
2345	5322 122 32531	100PF 5%NP0 50V
2346	5322 122 32531	100PF 5%NP0 50V

2347	4822 126 14585	100NF 10% X7R 0805 50V
2348	4822 124 40207	100UF20% 25V
2349	4822 126 14585	100NF 10% X7R 0805 50V
2350	4822 126 13486	15PF 2% NP0 63V
2351	4822 126 14585	100NF 10% X7R 0805 50V
2355	4822 126 14585	100NF 10% X7R 0805 50V
2356	4822 126 14585	100NF 10% X7R 0805 50V
2357	4822 126 14585	100NF 10% X7R 0805 50V
2358	5322 122 32658	22PF 5% 50V
2359	5322 122 32658	22PF 5% 50V
2361	2020 012 93504	ELCAP KA 16V S 100U PM20 A
2362	4822 124 23624	47UF20% 16V
2363	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2364	4822 126 13473	220NF80-20% 50V
2365	5322 122 32658	22PF 5% 50V
2366	4822 126 14585	100NF 10% X7R 0805 50V
2367	5322 122 32659	33PF 5% 50V
2368	4822 126 14585	100NF 10% X7R 0805 50V
2369	4822 124 40207	100UF20% 25V
2370	2222 580 19809	CER2 0805 Y5V 50V 47N COL R
2371	4822 126 14585	100NF 10% X7R 0805 50V
2373	4822 126 14585	100NF 10% X7R 0805 50V
2375	4822 124 23624	47UF20% 16V
2376	4822 124 23624	47UF20% 16V
2378	4822 126 14585	100NF 10% X7R 0805 50V
2379	4822 126 14585	100NF 10% X7R 0805 50V
2380	4822 126 14585	100NF 10% X7R 0805 50V
2381	4822 126 14585	100NF 10% X7R 0805 50V
2382	4822 126 14585	100NF 10% X7R 0805 50V
2385	4822 126 14585	100NF 10% X7R 0805 50V
2386	4822 126 14585	100NF 10% X7R 0805 50V
2391	4822 124 40433	47UF20% 25V
2392	4822 124 40433	47UF20% 25V
2393	4822 126 14585	100NF 10% X7R 0805 50V
2394	4822 126 14585	100NF 10% X7R 0805 50V
2398	4822 124 81108	0,47UF20% 50V
2401	4822 126 14585	100NF 10% X7R 0805 50V
2403	4822 124 23624	47UF20% 16V
2404	4822 126 14585	100NF 10% X7R 0805 50V
2406	4822 124 81108	0,47UF20% 50V
2411	4822 126 14585	100NF 10% X7R 0805 50V
2412	5322 122 32658	22PF 5% 50V
2413	4822 124 40196	220UF20% 16V
2414	4822 126 14585	100NF 10% X7R 0805 50V
2415	4822 126 14585	100NF 10% X7R 0805 50V
2416	4822 126 14585	100NF 10% X7R 0805 50V
2420	4822 126 14585	100NF 10% X7R 0805 50V
2421	5322 122 32658	22PF 5% 50V
2422	4822 124 40196	220UF20% 16V
2423	4822 124 23624	47UF20% 16V
2426	5322 122 32658	22PF 5% 50V
2427	4822 124 40196	220UF20% 16V
2428	4822 126 14585	100NF 10% X7R 0805 50V
2429	4822 126 14585	100NF 10% X7R 0805 50V

2433	4822 126 14585	100NF 10% X7R 0805 50V
2434	2020 012 93504	ELCAP KA 16V S 100U PM20 A
2435	5322 122 33861	120PF10% 50V
2436	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2437	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2438	4822 126 13344	1,5NF 5% 63V
2440	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2441	5322 122 33861	120PF10% 50V
2442	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2443	4822 126 13344	1,5NF 5% 63V
2444	4822 126 14585	100NF 10% X7R 0805 50V
2445	4822 126 14585	100NF 10% X7R 0805 50V
2446	5322 122 33861	120PF10% 50V
2447	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2448	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2449	4822 126 13344	1,5NF 5% 63V
2450	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2451	5322 122 33861	120PF10% 50V
2452	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2453	4822 126 13344	1,5NF 5% 63V
2454	4822 126 14585	100NF 10% X7R 0805 50V
2455	4822 126 14585	100NF 10% X7R 0805 50V
2456	5322 122 33861	120PF10% 50V
2457	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2458	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2459	4822 126 13344	1,5NF 5% 63V
2460	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2461	5322 122 33861	120PF10% 50V
2462	2020 012 93505	ELCAP KA 25V S 10U PM20 A
2463	4822 126 13344	1,5NF 5% 63V
2464	4822 126 14585	100NF 10% X7R 0805 50V
2465	5322 122 32531	100PF 5%NP0 50V
2466	5322 122 32531	100PF 5%NP0 50V
2467	5322 122 32658	22PF 5% 50V

RESISTORS

3305	4822 051 20339	33R00 5% 0,1W
3309	4822 051 20008	0R00 JUMP. (0805)
3311	4822 051 20474	470K00 5% 0,1W
3312	4822 117 10833	10K 1% 0,1W
3313	4822 117 10833	10K 1% 0,1W
3314	4822 051 20102	1K00 5% 0,1W
3315	4822 117 13577	330R 1% RC12H 0805 1,25W
3316	4822 051 20919	91R00 5% 0,1W
3318	4822 051 20102	1K00 5% 0,1W
3319	2120 108 94042	RST NETW SM RAC16 4X22R PM5 R
3320	2120 108 94042	RST NETW SM RAC16 4X22R PM5 R
3324	4822 117 10837	100K 1% 0,1W
3325	4822 117 10837	100K 1% 0,1W
3326	4822 051 20478	4R70 5% 0,1W
3327	4822 117 10837	100K 1% 0,1W
3328	4822 117 10837	100K 1% 0,1W
3329	4822 117 10837	100K 1% 0,1W
3330	4822 117 10837	100K 1% 0,1W

Spare parts list DVD707/782

3331	4822 117 10833	10K	1%	0,1W
3332	4822 051 20339	33R00	5%	0,1W
3336	4822 051 20339	33R00	5%	0,1W
3339	4822 051 20102	1K00	5%	0,1W
3340	4822 051 20102	1K00	5%	0,1W
3346	4822 051 20109	10R00	5%	0,1W
3348	4822 051 20109	10R00	5%	0,1W
3349	4822 117 10833	10K	1%	0,1W
3350	4822 051 20562	5K6	5%	0,1W 0805
3351	4822 051 20472	4K70	5%	0,1W
3352	4822 051 20472	4K70	5%	0,1W
3354	4822 117 10833	10K	1%	0,1W
3360	4822 051 20472	4K70	5%	0,1W
3362	4822 051 20472	4K70	5%	0,1W
3363	4822 051 20102	1K00	5%	0,1W
3364	4822 051 20472	4K70	5%	0,1W
3365	4822 051 20472	4K70	5%	0,1W
3366	4822 051 20472	4K70	5%	0,1W
3367	4822 051 20008	0R00	JUMP.	(0805)
3370	4822 051 20008	0R00	JUMP.	(0805)
3372	4822 051 20008	0R00	JUMP.	(0805)
3373	4822 117 13577	330R	1%	RC12H 0805 1,25W
3374	4822 051 20101	100R00	5%	0,1W
3375	4822 117 10833	10K	1%	0,1W
3376	4822 117 10833	10K	1%	0,1W
3377	4822 051 20109	10R00	5%	0,1W
3381	4822 116 52188	27E	5%	0,5W
3382	4822 051 20102	1K00	5%	0,1W
3383	4822 051 20339	33R00	5%	0,1W
3387	4822 051 20101	100R00	5%	0,1W
3388	4822 051 20101	100R00	5%	0,1W
3389	4822 117 11448	180R	1%	0,1W
3390	2120 108 94042	RST NETW SM RAC16	4X22R PM5	R
3391	2120 108 94042	RST NETW SM RAC16	4X22R PM5	R
3393	2120 108 94042	RST NETW SM RAC16	4X22R PM5	R
3400	2120 108 94049	RST NETW SM RAC16	4X4K7 PM5	R
3401	4822 051 20472	4K70	5%	0,1W
3402	2120 108 94025	RST NETW SM RAC16	4X100R PM5	R
3412	4822 117 11503	220R	1%	0,1W
3413	4822 117 11503	220R	1%	0,1W
3420	4822 051 20472	4K70	5%	0,1W
3433	4822 051 20102	1K00	5%	0,1W
3434	4822 051 20102	1K00	5%	0,1W
3438	4822 117 13528	200R	1%	0,125W 0805
3440	4822 117 11927	75R	1%	0,1W
3441	4822 117 10837	100K	1%	0,1W
3443	4822 117 11927	75R	1%	0,1W
3444	4822 117 10837	100K	1%	0,1W
3448	4822 117 11927	75R	1%	0,1W
3449	4822 117 10837	100K	1%	0,1W
3450	4822 117 11507	6K8	1%	0,1W
3451	4822 117 11188	20K	1%	0,1W
3452	4822 051 20471	470R00	5%	0,1W
3453	4822 117 10833	10K	1%	0,1W

3454	4822 051 20392	3K90	5%	0,1W
3455	4822 051 20561	560R00	5%	0,1W
3456	4822 117 10833	10K	1%	0,1W
3457	4822 051 20202	2K00	5%	0,1W
3458	4822 117 10833	10K	1%	0,1W
3459	4822 117 11188	20K	1%	0,1W
3460	4822 117 11507	6K8	1%	0,1W
3461	4822 051 20392	3K90	5%	0,1W
3462	4822 051 20561	560R00	5%	0,1W
3463	4822 051 20202	2K00	5%	0,1W
3464	4822 117 10362	7K5	1%	0,1W
3465	4822 117 10833	10K	1%	0,1W
3466	4822 051 20223	22K00	5%	0,1W
3467	4822 117 11188	20K	1%	0,1W
3469	4822 117 10833	10K	1%	0,1W
3470	4822 051 20392	3K90	5%	0,1W
3471	4822 051 20561	560R00	5%	0,1W
3472	4822 051 20202	2K00	5%	0,1W
3473	4822 117 10833	10K	1%	0,1W
3474	4822 117 11188	20K	1%	0,1W
3475	4822 051 20392	3K90	5%	0,1W
3476	4822 051 20561	560R00	5%	0,1W
3477	4822 051 20202	2K00	5%	0,1W
3478	4822 117 11188	20K	1%	0,1W
3479	4822 117 10833	10K	1%	0,1W
3480	4822 051 20392	3K90	5%	0,1W
3481	4822 051 20561	560R00	5%	0,1W
3482	4822 051 20202	2K00	5%	0,1W
3483	4822 117 10833	10K	1%	0,1W
3484	4822 117 11188	20K	1%	0,1W
3485	4822 051 20392	3K90	5%	0,1W
3486	4822 051 20561	560R00	5%	0,1W
3487	4822 051 20202	2K00	5%	0,1W
3488	2120 108 94027	RST NETW SM RAC16	4X10K PM5	R
3489	4822 117 10837	100K	1%	0,1W
3490	2120 108 94025	RST NETW SM RAC16	4X100R PM5	R
3491	2120 108 94025	RST NETW SM RAC16	4X100R PM5	R
3492	2120 108 94027	RST NETW SM RAC16	4X10K PM5	R
3494	2120 108 94042	RST NETW SM RAC16	4X22R PM5	R
3495	4822 117 10837	100K	1%	0,1W
3496	4822 051 20101	100R00	5%	0,1W
3498	2120 108 94027	RST NETW SM RAC16	4X10K PM5	R
3499	2120 108 94049	RST NETW SM RAC16	4X4K7 PM5	R
3500	4822 051 20472	4K70	5%	0,1W
3501	2120 108 94042	RST NETW SM RAC16	4X22R PM5	R
3502	2120 108 94042	RST NETW SM RAC16	4X22R PM5	R

COILS & QUARTZ

5302	8241 010 40420	LEADED FERRITE BEADS
5303	8241 010 40420	LEADED FERRITE BEADS
5304	8241 010 40420	LEADED FERRITE BEADS
5305	8241 010 40420	LEADED FERRITE BEADS
5306	8241 010 40420	LEADED FERRITE BEADS
5307	8241 010 40420	LEADED FERRITE BEADS

5308	8241 010 40420	LEADED FERRITE BEADS
5309	8241 010 40420	LEADED FERRITE BEADS
5310	8241 010 40420	LEADED FERRITE BEADS
5311	8241 010 40420	LEADED FERRITE BEADS
5314	4822 157 11868	2.7UH 5%
5315	2422 535 94163	IND FXD LAL02 A 1U8 PM5 T
5316	2422 535 94163	IND FXD LAL02 A 1U8 PM5 T
5317	2422 535 94163	IND FXD LAL02 A 1U8 PM5 T
5318	3141 018 80340	CRYSTAL QUARTZ 12.5 MHZ
5319	3141 018 80590	CRYSTAL QUARTZ 27MHZ

DIODES

6302	4822 130 31981	BZX79-B3V9
6303	4822 130 30621	1N4148
6307	4822 130 30621	1N4148
6308	4822 130 30621	1N4148
6309	4822 130 30621	1N4148
6310	4822 130 30621	1N4148
6311	4822 130 30621	1N4148
6312	4822 130 30621	1N4148
6313	4822 130 30621	1N4148

TRANSISTORS & INTEGRATED CIRCUITS

7301	5322 130 40217	2N3904
7304	3141 018 50960	TRA SIG C9013 T
7313	3141 018 50980	TRA SIG C9015 T
7314	3141 018 50970	TRA SIG C9014 T
7315	3141 018 50970	TRA SIG C9014 T
7316	3141 018 50980	TRA SIG C9015 T
7317	3141 018 50970	TRA SIG C9014 T
7318	3141 018 50970	TRA SIG C9014 T
7319	3141 018 50970	TRA SIG C9014 T
7320	3141 018 50970	TRA SIG C9014 T
7322	5322 209 11517	PC74HCU04T
7325	3141 018 51060	IC SM AT24C01A
7327	3141 017 40100	PRO IC SM ZR36703
7328	3141 018 51000	IC SM ZR36710
7329	3141 018 51010	IC SM KM416S1020 BT
7330	3141 018 51020	IC SM AV2188
7332	3141 018 51030	IC SM AV3168
7333	8241 010 45120	IC SMD NJM4560
7334	8241 010 45120	IC SMD NJM4560
7335	8241 010 45120	IC SMD NJM4560
7336	3141 018 50260	BA033T

Spare parts list DVD707/782

Front Board 3141 018 02510

MISCELLANEOUS

1400	3141 018 80310	VFD 14-ST-18GAK
1403	4822 265 30735	5 PINS
1411	4822 276 13114	SWITCH, PUSH BUTTON
1412	4822 276 13114	SWITCH, PUSH BUTTON
1413	4822 276 13114	SWITCH, PUSH BUTTON
1414	4822 276 13114	SWITCH, PUSH BUTTON
1415	4822 276 13114	SWITCH, PUSH BUTTON
1416	4822 276 13114	SWITCH, PUSH BUTTON
1417	4822 276 13114	SWITCH, PUSH BUTTON
1421	4822 265 30735	5 PINS
8401	3141 010 20890	CWAS 05PH/05OP 180 5 WH 26S
8402	3141 010 20860	CWAS XH5P/050P 170 5 26S

CAPACITORS

2401	4822 122 10183	100PF 5% 50V
2402	4822 124 40433	47UF20% 25V
2403	4822 122 10183	100PF 5% 50V
2404	4822 126 12882	100NF+80-20% 50V
2407	4822 126 12882	100NF+80-20% 50V
2416	4822 124 40433	47UF20% 25V

RESISTORS

3400	4822 116 83883	470R 5% 0,5W
3401	4822 050 21003	10K00 1% 0,6W
3402	4822 050 21003	10K00 1% 0,6W
3403	4822 050 21003	10K00 1% 0,6W
3404	4822 050 21003	10K00 1% 0,6W
3405	4822 050 21002	1K00 1% 0,6W
3406	4822 050 21003	10K00 1% 0,6W
3407	4822 116 52195	47E 5% 0,5W
3408	4822 116 52283	4K7 5% 0,5W
3409	4822 116 52283	4K7 5% 0,5W
3410	4822 116 52283	4K7 5% 0,5W
3411	4822 116 52283	4K7 5% 0,5W
3412	4822 116 83884	47K 5% 0,5W
3423	4822 050 21002	1K00 1% 0,6W
△3424	4822 052 10478	4R70 5% 0,33W
3430	4822 116 52175	100E 5% 0,5W
3431	4822 116 52175	100E 5% 0,5W
3432	4822 116 52175	100E 5% 0,5W

DIODES

6400	4822 130 30621	1N4148
6401	4822 130 30621	1N4148
6402	4822 130 31253	BZX79-C2V4
6413	4822 130 34398	BZX79-B24
6420	4822 130 82978	LTL-16KPE-P

TRANSISTORS & INTEGRATED CIRCUITS

7400	3141 018 50700	IC VFDDRIVER PT6311
7401	8241 010 45320	HEG836-16GP

DVD Video Player



Let's make things better.



PHILIPS

General Information

Laser safety

This unit employs a laser. Due to possible eye injury, only a qualified service person should remove the cover or attempt to service this device.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

LASER	
Type	Semiconductor laser GaAlAs
Wave length	650 nm (DVD) 780 nm (VCD/CD)
Output Power	7 mW (DVD) 10 mW (VCD/CD)
Beam divergence	60 degree

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

The region code for this DVD Video Player is 4.



Since DVD movies are released at different times in different regions of the world, all players have region codes and discs can have an optional region code. If you load a disc of a different region code into your player, you will see the region code notice on the screen. The disc will not play and should be unloaded.

**CAUTION
VISIBLE AND INVISIBLE RADIATION
WHEN OPEN AVOID EXPOSURE TO
BEAM (WARNING LOCATION: ON THE
BACKPLATE OF SET)**

**NOTE:
PICTURES SHOWN MAY BE DIFFERENT
BETWEEN COUNTRIES.**

**NEVER MAKE OR CHANGE
CONNECTIONS WITH THE POWER
SWITCHED ON.**

For Customer Use:

Read carefully the information located at the bottom of your DVD Video player and enter below the Serial No. Retain this information for future reference.

Model No. DVD VIDEO 707 Serial No. _____

English 4

Español 30

Português 56

English

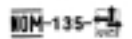
Español

Português

BR BRASIL

Garantía Página 82

MEX MÉXICO



Garantía Página 82

México 

Es necesario que lea cuidadosamente su instructivo de manejo.

	PRECAUCIÓN - ADVERTENCIA No abra, riesgo de choque eléctrico	
ATENCIÓN Verifique que el voltaje de alimentación sea el requerido para su aparato		
Para evitar el riesgo de choque eléctrico, no quite la tapa. En caso de requerir servicio, diríjase al personal calificado.		

REPRODUCTOR DE DISCO DE VIDEO DIGITAL **DVD707/781**

110-240 V ~ 50-60 Hz **20W**

IMPORTADOR: **PHILIPS MEXICANA, S.A. de C.V.**
Norte 40, # 888, Col. Industrial Vallejo
C.P. 02300 México D.F., Tel. 736 42 00

EXPORTADOR: **PHILIPS CONSUMER ELECTRONICS CO.**
PAIS DE ORIGEN: CHINA
RFC: PME620620E94

Nº de Serie: _____

LEA CUIDADOSAMENTE ESTE INSTRUCTIVO ANTES DE USAR SU APARATO.

Contents

Introduction

Entertainment for new millennium	5
Introduction	5-6
Unpacking	6
Placement	6

Functional Overview

Front panel	7
Rear panel	8
Display	9
Remote Control	10

Connection

General explanation	11
Video connection	11
Audio connection	12

General operation

Connecting the power supply	13
Turning on the power	13
Loading discs	13
Option between component video and S-Video ..	13
Remote control battery installation	13
Remote control operation	13

Playing a DVD-video disc

Video control during playback	14
Audio control during playback	14
Playing title/chapter	15
Special DVD features	16
Favourite Track Selection (DVD)	16

Playing a SuperVCD/VCD/CD disc

Disc specification icons	17
Video control during playback	17
Audio control during playback	17
Playing title/track	18-19
Special VCD-features	20
Favourite Track Selection (SVCD,VCD,CD) ...	20

Setup menu

Enter the setup menu	21
How to navigate	21
OSD language	21
Subtitle language	21
Audio language	21
DVD menu language	22
On-Screen-Display	22
Factory default	22
Screen size	22-23
TV system	23
Audio output	23
Password	24
Parental control	24
Disc lock	25
Pro Logic	26
Subwoofer	26

Disc maintenance

Disc maintenance	27
------------------------	----

Environmental information

Environmental information	27
---------------------------------	----

Before Requesting Service

Before Requesting Service	28
---------------------------------	----

Specifications

Specifications	29
----------------------	----

Entertainment for the new millennium

Video was never like this before! Digital video discs provide perfect digital, studio-quality pictures; three dimensional digital, multi-channel audio; story sequences screened from your choice of camera angle; sound tracks in as many as eight languages; and up to 32 subtitles (if available on disc). Whether you watch DVD-Video on wide-screen or regular TV, you always see it the way it was meant to be.

Digital Video

DVD-Video uses state-of-the-art MPEG2 data compression technology to register an entire movie on a single 5-inch disc. DVD's variable bitrate compression, running at up to 9.8 Mbits/second, captures even the most complex pictures in their original quality.

The crystal-clear digital pictures have a horizontal resolution of over 500 lines, with 720 pixels (picture elements) to each line. This resolution is more than double that of VHS, superior to Laser Disc, and entirely comparable with digital masters made in recording studios.

DVD-Video discs conform to either the PAL or NTSC video standard. This player can play both PAL and NTSC discs, presenting them in the best possible way on your multi-standard TV screen.

As the universal video system of the future, DVD-Video offers optimal pictures on any TV screen.

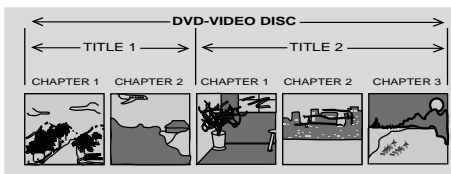
Introduction

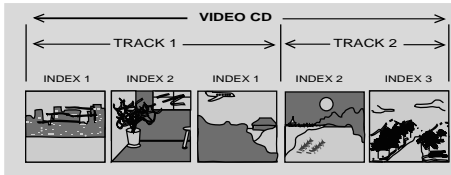
Your Philips DVD-Video player will play digital video discs conforming to the universal DVD-Video standard. With it, you will be able to enjoy full-length movies with true cinema picture quality, as well as stereo or multi-channel sound (depending on the disc and your playback setup).

The unique features of DVD-Video, such as selection of sound track, subtitle languages and different camera angles (again depending on the disc), are all included. What's more, Philips Child Lock lets you decide which discs your children will be able to see. You will find the On-Screen Display, player display, and remote control make the player easy to use. This manual provides all the information you will need, so read on!

DVD-Video

You will recognize DVD-Video discs by the logo shown on left. Depending on the material on the disc (a movie, video clips, a drama series, etc.) the disc may have one or more Titles. Each title may have one or more chapters. To make playback easy and convenient, your player lets you move between titles and playback chapters.





Video CD

You will recognize Video CDs by the logo shown on left. Depending on the material on the disc (a movie, video clips, a drama series, ect) the disc may have one or more tracks. Tracks may have one or more indexes, as indicated on the disc case. To make playback easy and convenient, your player lets you move between tracks and indexes. Some Video CDs have Play Back Control (PBC), which is a predefined playback sequence stored on the disc.

Super VCD

SVCD discs is the super VCD 1.0 Standard based on the Standard of the information Industry Department of the People's Republic of China.



Audio CD

Audio CDs contain music tracks only.

You will recognize Audio CDs by their logo which is shown on left.

You can play audio CDs in conventional style through a stereo system, using the keys on the remote control and/or front panel, or via the TV using the On-Screen Display (OSD).



Unpacking

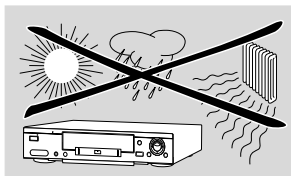
First check and identify the contents of your DVD-Video player package. You should have the following items.

- DVD-Video player
- Remote Control with batteries
- Audio/video cables
- AC cord
- Instructions for use

If any item is damaged or missing, contact your retailer or Philips. Keep the packaging materials; you may need them to transport your player in the future.

Placement

- Place the player on a firm, flat surface.
- Keep the player away from domestic heating equipment and direct sunlight.
- In a cabinet, allow about 2.5cm (1 inch) of free space all around the player for adequate ventilation.
- The lens may cloud over when the DVD-Video player is suddenly moved from cold to warm surroundings. Playing a CD/DVD is not possible then. Leave the DVD-Video player in a warm environment until the moisture evaporates.
- To view the typeplate, please refer to the bottom of the player.



Front Panel

POWER ON/OFF

- Switch the player to on/off mode

Standby indicator

- Lights up red when the player is in standby mode

DISPLAY

- Shows the current status of the player

■ STOP

▶▶ - **NEXT** title/chapter/track

▶ **PLAY** - starts video/audio play

◀◀ - **PREV** title/chapter/track

|| PAUSE

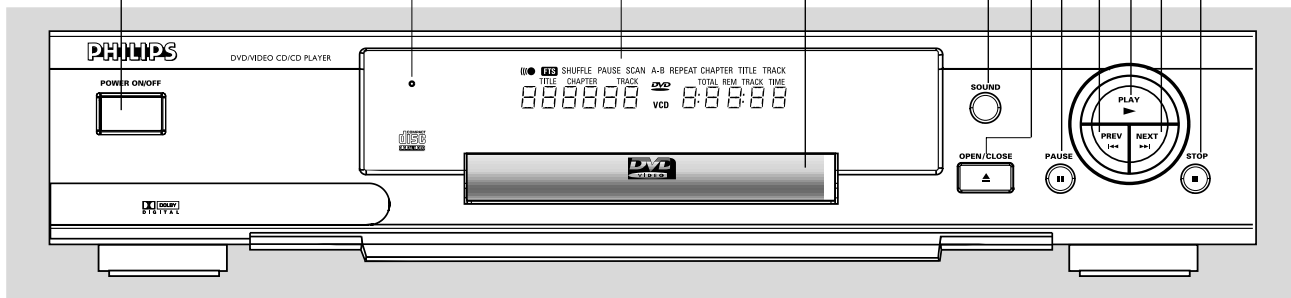
▲ OPEN/CLOSE

- Opens/closes the disc tray

SOUND

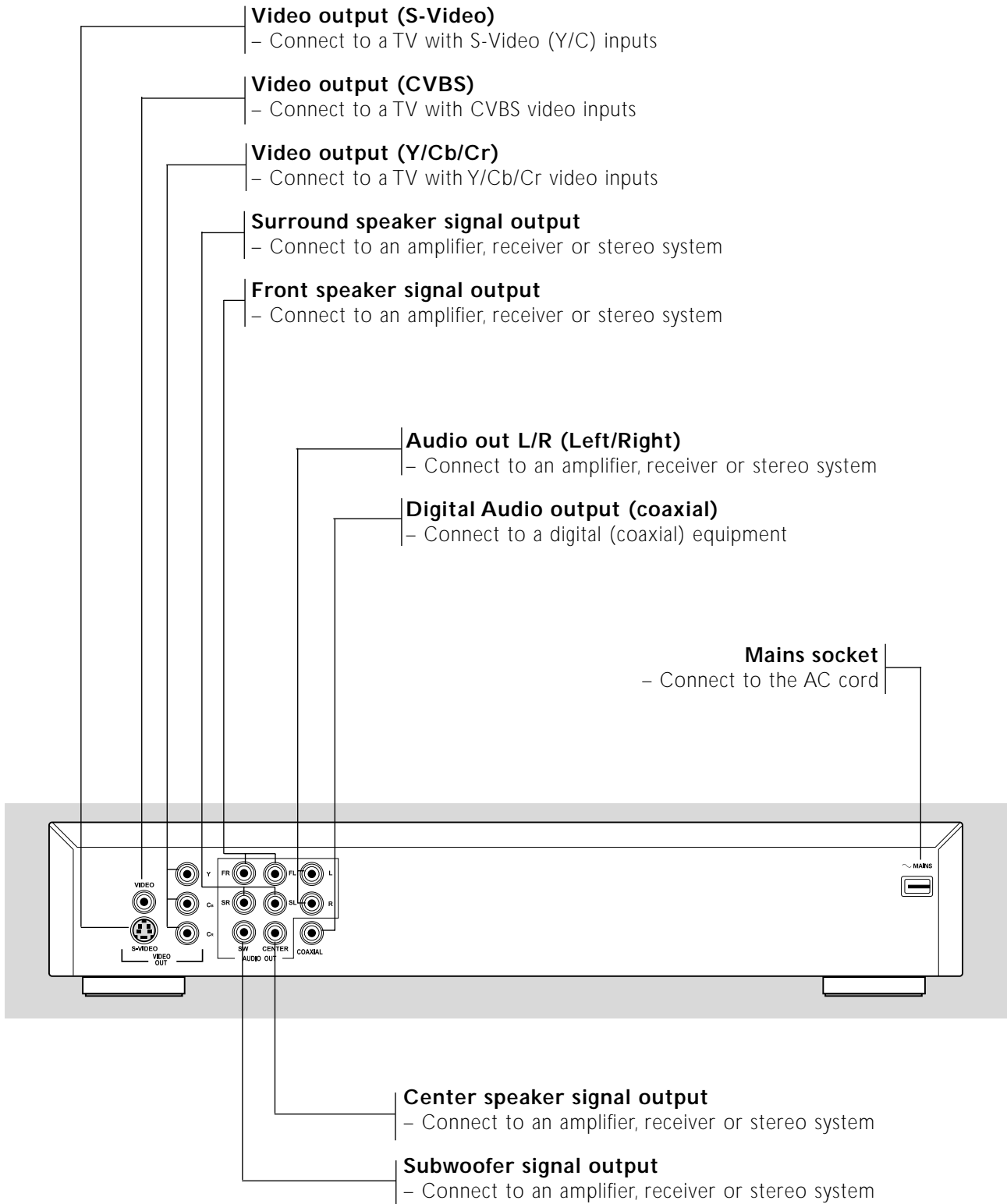
- Switch the volume to on/off

Disc tray



Functional Overview

Rear Panel

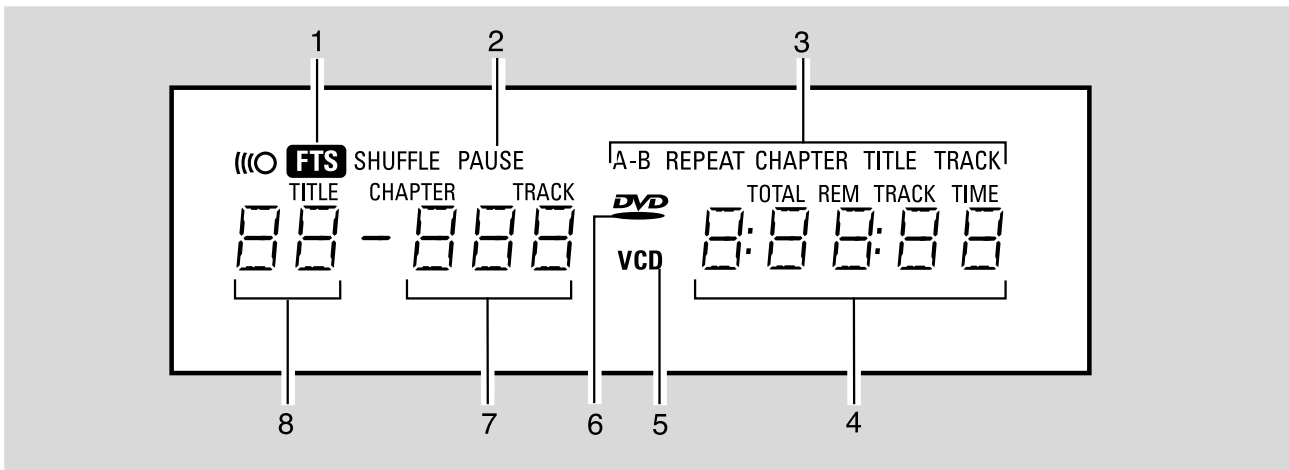


Caution:

- Do not touch the inner pins of the rear panel. Electrostatic discharge may cause permanent damage to the unit.

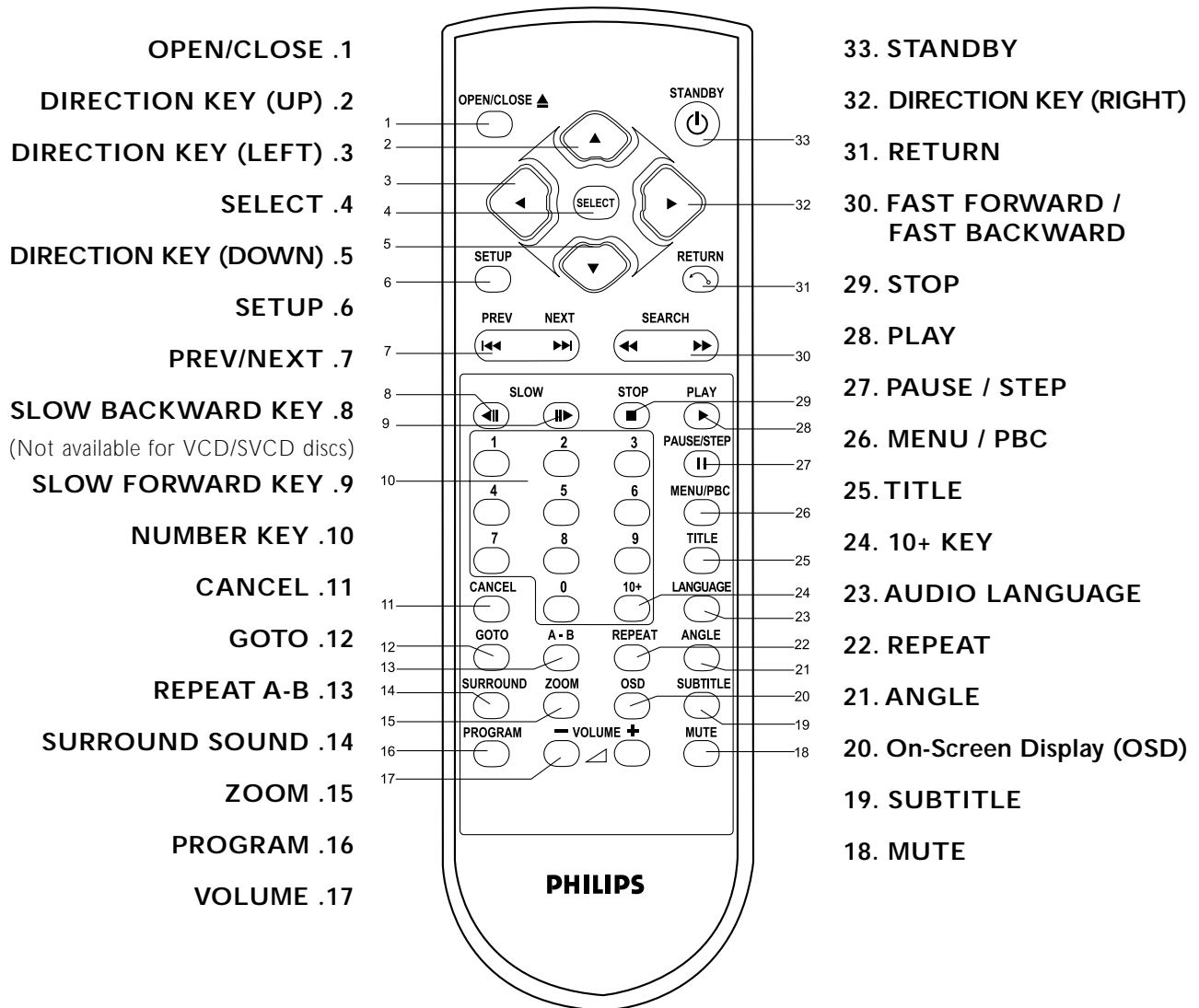
Display

- 1 Favourite Track Selection
- 2 Play/Pause
- 3 Repeat A-B/Chapter/Title/Track
- 4 Time in hours, minutes and seconds
- 5 (V)CD disc indicator
- 6 DVD disc indicator
- 7 The number of DVD chapters or (V)CD tracks
- 8 The number of DVD titles



Functional Overview

Remote Control



NOTE:

- To use the keys **SETUP** (6) and **RETURN** (31), please refer to chapter [Setup Menu].
- To use the keys **CANCEL** (11), please refer to chapter [Favourite Track Selection (DVD) / (SVCD,VCD, CD)].
- The rest of the keys are used for general operation, please see chapter [Playing a DVD-video disc] and [Playing a SuperVCD / VCD / CD disc] for details.

General Explanation

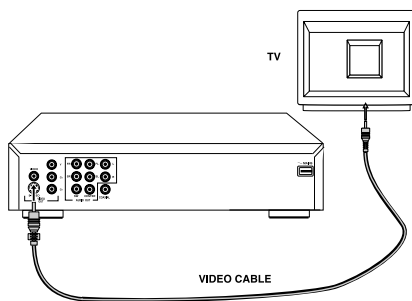
- Depending on your TV and other equipment you wish to connect, there are various ways you could connect the player. Possible connections are shown in the following drawings.
- Please refer to the manuals of your TV, VCR, stereo system or other manuals as necessary to make the best connections.
- For better sound reproduction, connect your player's audio output to the audio input of your amplifier, receiver, stereo or A/V equipment (see [Audio Connection]).

Caution:

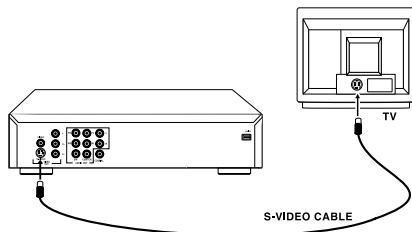
- Do not connect the player's audio output to the PHONO IN jack of your audio system.
- Do not connect your DVD-player via your VCR because video quality could be distorted by the copy protection system.

Video connection

Video CVBS connection

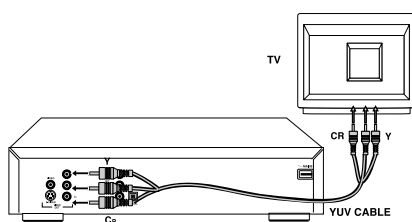


- CVBS video output is the most common video format and it combines brightness signal and chroma signal together by using only one cable for output. Plugs of the cable are in yellow colour.
- Connect the Video output on the rear panel of the player to the corresponding input on the TV using the cable supplied.



S-Video connection

- S-Video output is a video output that refers to two separated signals, brightness signal and chroma signal. The advantage of this connection is by reproducing a high quality picture.
- Connect the S-Video output on the rear panel of the player to the corresponding input on the TV using the S-Video cable (not supplied).

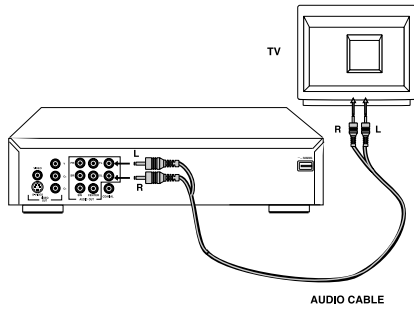


Component video connection

- Component video includes three types of signals, they are Y; CBLUE ; CRED.
- Connect the Y/CB/CR output on the rear panel of the player to the corresponding input on the TV using the component video cable (not supplied).

Caution:

- Do not connect the component video and S-Video connection to the TV at the same time (see [Option between component video and S-Video] for details).



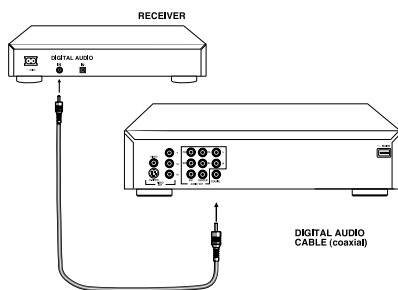
Audio connection

Connect Audio output to TV

- To use the TV speaker for sound reproduction, connect the audio left and right outputs on the rear panel of the player to the corresponding inputs on your TV with the audio cable supplied.

Connecting to an A/V receiver equipment

Digital multi-channel connection provides the best sound quality. For this you need a multi-channel receiver that supports one or more of the audio formats supplied by your DVD player (Dolby Digital™, MPEG 2 and DTS). Check the receiver manual and the logos on the front of the receiver.

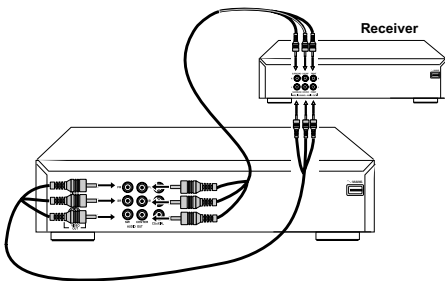


Connect to A/V receiver with digital coaxial cable

- Connect the player's digital coaxial output to the corresponding input on the receiver using the normal audio or video cable which is supplied.
- You will need to set the item [AUDIO] in setup menu for adapting your receiver. Please refer to the chapter [Setup Menu] for details.
- In this case, do not use the player's audio left and right output.

NOTE:

- If the audio format of the digital output does not match the capabilities of your receiver, the sound will be muted.

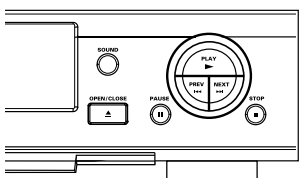
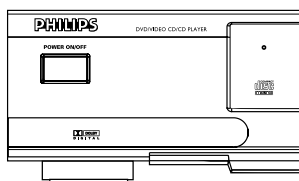


Analog connection to a multi-channel A/V receiver with 6CH connectors

- This DVD player contains a multi-channel decoder. Connect the audio outputs to the corresponding inputs of your A/V receiver with six audio cables. In the Audio output menu, set Analog output to 6 Channels model. (please refer to setup menu in page 22 for details.)

Connecting the power supply

- 1 Plug the female end of the power cable supplied into the Power connector on the rear of the player.
- 2 Plug the male end of the cord into an AC outlet.



Turning on the power

- Make sure that audio and video output has been connected to TV.
- Choose the available AV mode and connect your TV set to our DVD player.
- Press power on/off button on the front panel to turn on the player.

Loading discs

- Press the OPEN/CLOSE button on the front player to open the disc tray.
- Load your chosen disc in the tray, label side up (also when a double sided DVD is inserted). Make sure the disc is placed properly in the correct recess.
- Gently push the tray, or press OPEN/CLOSE button to close the tray. Playback will start automatically.

NOTE:

- If your TV system is not align with your DVD player, the player might not work. If this happens, you can press the OPEN/CLOSE key to open the disc tray and press the ZOOM key on the remote control to enforce the player to adapt to your TV system.

Options between component video and S-Video

- Ensure that the DVD player and television has been connected by an alternative cable.
- In OPEN mode, press the SLOW BACKWARD key to choose an alternative setting depending on the video connection between the DVD player and television (refer to chapter [Video Connection] at page 11 for details) and the word " CVBS+ SVIDEO" or " YCbCr" appears on the TV screen.
- The DVD player will execute to the corresponding setup automatically.

NOTE:

- If there is some image distortion, check if the video connection is corresponding with the operation on your remote control. If not, press the SLOW BACKWARD key again and repeat the above steps.

Remote control battery installation

- Open the battery compartment cover.
- Insert two batteries inside the battery compartment.
- Close the cover.

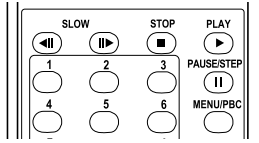
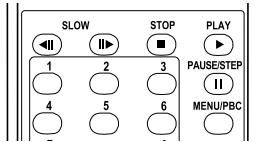
CAUTION:

- Don't mix old and new batteries. Never mix different types of batteries (standard, alkaline, etc.)

Remote control operation

- Unless mentioned, all operations can be carried out with the remote control. Always point the remote control directly at the player, making sure there are no obstructions in the path of the infrared beam.
- When there are corresponding keys in the front panel, they can also be used.

Playing a DVD-video disc



Video control during playback

STOP key on the remote control

- You can resume the play from the point at which you stopped last time by pressing the STOP key once.
- It will start from the beginning if you pressed the STOP key twice to stop a playback.

PAUSE/STEP key on the remote control

- To get a still picture, press PAUSE/STEP key during playback.
- To step forward to the next frame picture, press PAUSE/STEP key again.
- To replay, press PLAY key.

Search

- To search the content in fast speed, press the SEARCH key for fast forward/backward searching.
- Press the SEARCH key again to accelerate the speed during searching.
- While you find the point you want, press PLAY key to return to normal playback.

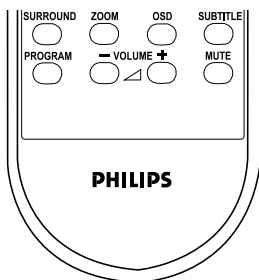
Slow Forward / Backward

- To get slow motion effect during playback, press SLOW FORWARD/BACKWARD key.
- Press the SLOW key again to have different playback speeds.
- Pressing the PLAY key will return to normal playback.

Audio control during playback

Mute

- Press the MUTE key to switch the sound output.
- Press the MUTE key again to remove the mute.



Volume

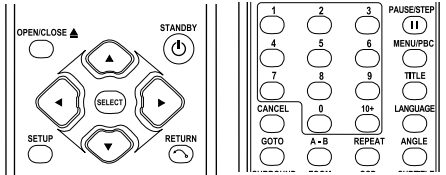
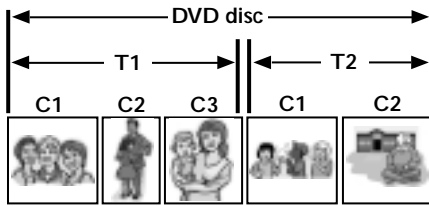
- Press the VOLUME + or VOLUME - to adjust the loudness.

Surround sound key

- The DVD decoder circuit can simulate virtual surround sound effects. You can press the Surround key or the Sound button on the front panel to switch the sound effect.

NOTE:

- In Mute mode, volume and surround sound function won't be affected on digital coaxial output or digital optical output.



Playing title/chapter

Title & chapter (T&C)

A DVD disc may have one or more titles, and each title may have one or more chapters. It depends on the content (a movie, video clips, a drama series, etc) on the disc.

Playing a title

- After loading a disc, information about the content shows on the screen waiting for your selection. You can also press the TITLE key on the remote control to return to the title menu during playback.
- If the items of the menu are numbered, press the appropriate number key on the remote control, if not, use the ▲▼◀▶ keys to highlight your selection.
- Press the SELECT key to confirm your selection.

Playing a chapter

- When a title is selected, it may include one or more chapters.
- Whenever you want to watch another chapter during playback, press MENU/PBC key to return to the chapter menu and select again, if not, press the PREV/NEXT key.

REPEAT key

You can repeat a title or a chapter by pressing the REPEAT key. Refer to the instruction on the screen.

- Press the REPEAT key once to repeat the current chapter.
- Press the REPEAT key twice to repeat the current title.
- Press the REPEAT key third time to quit the repeat mode.

A-B key

A-B key enables you to choose a certain piece of program to repeat. Refer to the instruction on the screen.

- Press the A-B key once to set a start point.
- Press the A-B key twice to set an end point. At the same time, it will begin to repeat from the start point.
- Press the A-B key the third time to quit A-B repeat mode.

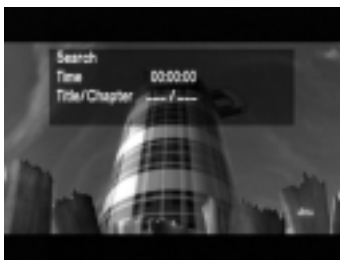
GOTO key

You can switch titles, chapters or play from any point of the disc by using the GOTO key.

- Press the ▲▼ keys to select the TIME to set a start point time. –Enter an available number (e.g. 0:34:27) and press the SELECT key to confirm.
- Press the ▲▼ keys to select the TITLE/CHAPTER to set a certain chapter. –Enter an available number and press the SELECT key to confirm.
- Press the ▲▼ keys to select the TITLE/CHAPTER to set a certain title. –Enter an available number and press the SELECT key to confirm.
- Press the GOTO key the fourth times to quit the state.

NOTE:

- Depending on the DVD discs format, GOTO key may not be activated.



Playing a DVD-video disc



original picture



zoomed picture



angle 1



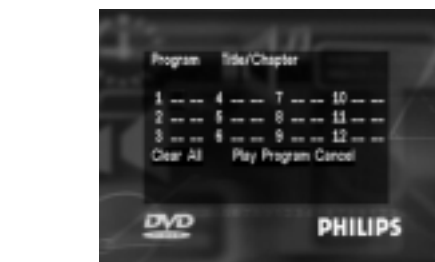
angle 2



Good night



Bonsoir!



Special DVD features

Zoom

- Press the ZOOM key on the remote control to get the picture enlarge twice than the original size. Press ZOOM again to get a four time in size enlarge. Use the ▲▼◀▶ key to view the available zoom picture.
- Press the ZOOM key the third time to return to the original size.

NOTE:

– Depending on the DVD discs format, ZOOM key may not be activated.

Camera angle

- Scenes which captured from different camera angles can be recorded in a DVD disc and it enables you to watch from different angles. You can switch the camera angles by pressing the ANGLE key on your remote control.

NOTE:

– Depending on the DVD discs format, ANGLE key may not be activated.

Changing audio languages

- If the DVD disc is recorded with multi-language audio tracks, you can select your preferred language by pressing the LANGUAGE key on your remote control.
- When a DVD disc formatted with multi-language is loaded, you can see the information in OSD bar on the screen.

Changing subtitles

- If the DVD disc is recorded with multi-subtitle tracks, you can select your preferred subtitle by pressing the SUBTITLE key on your remote control.
- When a DVD disc formatted with multi-subtitle is loaded, you can see the information in OSD bar on the screen.

FTS - Favourite Track Selection (DVD)

- This function enables you to store your favourite tracks in certain order.
- You can do the following steps to edit the playing orders.
 - 1 Press the PROGRAM key to enter to submenu. (as shown)
 - 2 In the submenu, you need to input your favourite titles by pressing the NUMBER key. If the number is unavailable, it will disappear from the submenu.
 - 3 Use the ▶ key to highlight the CHAPTER item. You can select your favourite chapter. Again, the player will confirm the number.
 - 4 Use the ▲▼ keys to move to next line and repeat the above steps until you complete the editing of the program.
 - 5 Use the ▲▼◀▶ keys to highlight the PLAY PROGRAM and press SELECT key to confirm.
- You can do the following steps to cancel the program.
 - 1 Use the ▲▼◀▶ keys to move to the item you wish to remove.
 - 2 Press the CANCEL key, the selected item will be cancelled.
 - 3 If you want to clear all programs, you can use the ▲▼◀▶ keys to highlight the CLEAR ALL item and press the SELECT key to confirm.
- You can do the following steps to quit the PROGRAM menu.
 - 1 Press the STOP key twice.
 - 2 Use the ▲▼◀▶ keys to move to the CANCEL and press the SELECT key to confirm.

Playing a Super VCD/VCD/CD disc

CD

This icon indicates the description of functions for CD.

VCD

This icon indicates the description of functions for VCD.

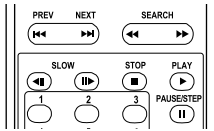
SuperVCD

This icon indicates the description of functions for SVCD.

Video control during playback

PAUSE/STEP key on the remote control

- To get a still picture, press the PAUSE/STEP key during playback.
- To step forward to the next picture frame, press the PAUSE/STEP key again.
- To return to play, press PLAY key.



SuperVCD VCD

Search

- To search the content in fast speed, press the SEARCH key for fast forward/backward searching.
- Press the SEARCH key again to accelerate the speed during searching.
- While you find the point you want, press PLAY key to return to normal playback.

SuperVCD VCD

Slow Forward

- To get slow motion effect during playback, press the SLOW key.
- Press the SLOW key again to get different playback speeds.
- Use the PLAY key to return to normal playback.

SuperVCD VCD

Audio control during playback

Mute

- Press the MUTE key to switch on/off the sound output.
- Playback is still normal even when the sound is muted.

Surround sound key

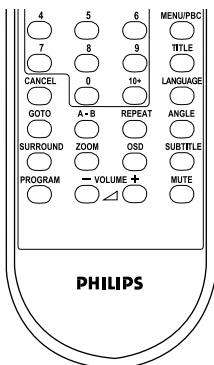
- The DVD decoder circuit can simulate virtual surround sound effects. You can press the SURROUND key or the SOUND button in the front panel to switch the sound effect.

NOTE:

- This function has no effect on digital coaxial output and digital optical output.

Audio channel selection

- SVCD has two stereo audio channels which are used for playing karaoke or audio language selection. (eg. you can choose only one channel for the music background of the song while playback the karaoke.)
- Press the LANGUAGE key on the remote control to select the audio channels you want.
- VCD has only one stereo audio channel, you can mute the left speaker or the right speaker by pressing the LANGUAGE key on the remote control.

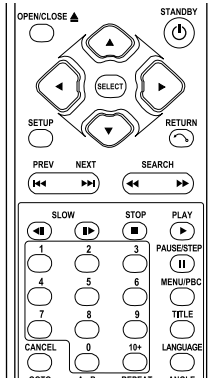


SuperVCD VCD CD

SuperVCD VCD CD

SuperVCD VCD

Playing a Super VCD/VCD/CD disc



SuperVCD VCD

Playing title/track

Use PBC (PlayBack Control)

- Playback control is a title/track index protocol between player and discs. When a disc is recorded with a standard VCD or SVCD format, there will be a menu which include titles/tracks for users to select the content of a movie or other video programs.
- When you switch on the PBC function you will enter the index menu which are available for selection after loading the SVCD or VCD disc.
- You can switch the PBC function simply by pressing the MENU/PBC key on the remote control. Refer to the icon in the menu bar on the screen.
- Use the PREV/NEXT key on the remote control or on the front panel to select the page you like.
- If the items of the index menu are numbered, press the appropriate number key on the remote control, if not, use the ▲▼◀▶ keys to highlight it, then press the SELECT key to confirm your selection.
- Press the RETURN key to enter the index menu.

NOTE:

- The content of the index menu depends on the disc. Refer to the disc instruction for detail.
- If the disc doesn't include PBC information, this function will not execute.

Close PBC

SuperVCD VCD

- If you switch PBC function off, the disc will start from the beginning.
- When you play the karaoke disc, you still can use the PREV/NEXT key on the remote control or on the front panel to select the page you like, even if PBC function is off.

SuperVCD VCD CD

A-B key

A-B key enables you to choose a certain program to repeat. Refer to the instruction on the screen.

- Press the A-B key once to set a start point.
- Press the A-B key twice to set an end point. At the same time, it will begin to repeat from the start point.
- Press the A-B key the third time to quit A-B repeat mode.

SuperVCD VCD CD

REPEAT key

You can repeat to playback a track or a chapter by pressing the REPEAT key and when the PBC is off.

Refer to the instruction on the screen.

Repeat playback [track]

- Press the REPEAT key once to repeat the current track.

Repeat playback [disc]

- Press the REPEAT key twice to repeat the whole disc.

Repeat playback [off]

- Press the REPEAT key the third time to quit repeat state.

SuperVCD VCD CD

GOTO key

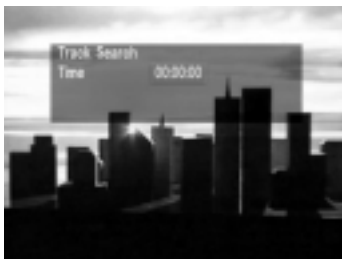
You can switch titles or playback from any point of the disc by using the GOTO key. The feature will have different between PBC ON and PBC OFF mode.

When PBC OFF mode:

- Press the ▲▼ keys to highlight the TIME to set a start point time.
 - Enter an available number (e.g. 0:34:27) and press the SELECT key to confirm.
- Press the ▲▼ keys to highlight the TRACK to set a certain track.
 - Enter an available number and press the SELECT key to confirm.
- Press the GOTO key again to quit PBC OFF mode.

When PBC ON mode:

- Press the GOTO key once to set a start point time of the current disc.
 - Enter an available number (e.g. 0:34:27) and press the SELECT key to confirm it.
- Press the GOTO key again to quit PBC ON mode.



Playing a Super VCD/VCD/CD disc



SuperVCD VCD CD

SuperVCD VCD



Special VCD - features

Zoom

- Press the ZOOM key on the remote control to get the picture enlarge twice than the original size. Press ZOOM again to get a four time in size enlarge. Use the ▲▼◀▶ key to view the available zoom picture.
- Press the ZOOM key the third time to return to the original size.

Changing subtitles

- If the disc is recorded with multi-subtitle tracks, you can select your preferred subtitle by pressing the SUBTITLE key on your remote control.
- When a DVD disc formatted with multi-subtitle is loaded, you can see the information in OSD bar on the screen.

OSD - On Screen Display

- This function will provide some information about your disc on the screen. Press OSD key to activate it.

NOTE:

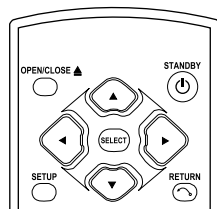
- Some display information, such as REPEAT,PREV/NEXT,PAUSE, will not be display when OSD ON, but this won't affect their functionality.
- To display the features on the screen, press the OSD key.

Resume

- In PBC OFF mode, you can resume playback from the point at which you stopped, also when the On-Screen-display of "Stop (Play to resume)".
- Press the PLAY key to resume the playback from the stop point.

FTS - Favourite Track Selection (SVCD, VCD, CD)

- This function enables you to store your favourite tracks in certain order.
- You can do the following steps to edit the playing orders.
 - 1 Press the PROGRAM key to enter to submenu. (as shown)
 - 2 In the submenu, you need to input your favourite titles by pressing the NUMBER key. If the number is unavailable, it will disappear from the submenu.
 - 3 Use the ▲▼ keys to move to next line and repeat the above steps until you complete the editing of the program.
 - 4 Use the ▲▼ keys to highlight the PLAY PROGRAM and press SELECT key to confirm.
- You can do the following steps to cancel the program.
 - 1 Use the ▲▼ keys to move to the item you wish to remove.
 - 2 Press the CANCEL key, the selected item will be cancelled.
 - 3 If you want to clear all programs, you can use the ▲▼ keys to highlight the CLEAR ALL item and press the SELECT key to confirm.
- You can do the following steps to quit the PROGRAM menu.
 - 1 Press the STOP key twice.
 - 2 Use the ▲▼◀▶ keys to move to the CANCEL and press the SELECT key to confirm.



Enter the setup menu

Press the STOP key first

- Enter the Setup Menu by pressing the SETUP key in the STOP mode. Remember the SETUP key will not respond if you press it during playback.
- When you quit the setup, the setting will be stored in the player's memory even when the player is switched to power off.



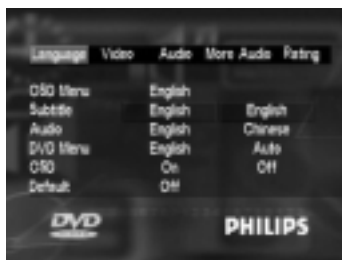
How to navigate

- Use the ◀▶ keys on the remote control to choose an item in the top menu.
- Use the SELECT key on the remote control to open the first level submenu to select an option in the item.
- Use the ▲▼ keys on the remote control to choose an item in the first level submenu.
- Use the SELECT key on the remote control to select an option in the item you've chosen and enter to the second level submenu to continue choosing.
- When the cursor is in the item of the first level submenu, you can change other setups by pressing the ▲ key to return to the top menu.
- Press SETUP key to quit the setup menu when the setting is completed.



OSD language

- There are two types of OSD languages in the player.
- Setup the item as follows:
 - Use the ◀▶ keys to highlight the item LANGUAGE in the top menu, then press the SELECT key to open the first level submenu.
 - Use the ▲▼ keys to select item OSD MENU.
 - Press the SELECT key to open the second level submenu.
 - Use the ▲▼ keys to select your preferred language.
 - Press the SELECT key to confirm the change.



Subtitle language

- DVD discs are recorded in multi-subtitle languages. This feature is used to choose as default subtitle language.
- Setup the item as follows:
 - Use the ◀▶ keys to highlight the item LANGUAGE in the top menu, then press the SELECT key to open the first level submenu.
 - Use the ▲▼ keys to select item SUBTITLE.
 - Press the SELECT key to open the second level submenu.
 - Use the ▲▼ keys to select your preferred language.
 - Press the SELECT key to confirm the change.



Audio language

- DVD discs are recorded in multi-audio languages. This feature is used to choose as default audio language.
- Setup the item as follows:
 - Use the ◀▶ keys to highlight the item LANGUAGE in the top menu, then use the SELECT key to open the first level submenu.
 - Use the ▲▼ keys to select the item AUDIO.
 - Press the SELECT key to open the second level submenu.
 - Use the ▲▼ keys to select your preferred language.
 - Press the SELECT key to confirm the change.

NOTE:

- Your DVD disc may not recorded the audio and subtitle language which you set in the Setup Menu. If so, the player will use other audio and subtitle language instead.



DVD menu language

- DVD discs are recorded in multi DVD menu languages. This feature is used to choose as default DVD menu language.
- Setup the item as follows:
 - Use the ◀▶ keys to highlight the item LANGUAGE in the top menu, then press the SELECT key to open the first level submenu.
 - Use the ▲▼ keys to select DVD MENU item.
 - Press the SELECT key to open the second level submenu.
 - Use the ▲▼ keys to select your preferred language.
 - Press the SELECT key to confirm the change.

NOTE:

- If your DVD disc doesn't recorded the DVD menu language you select, the player will use other recorded language instead.



OSD (On-Screen-Display)

- This feature is used to display playback information. When it is set to off, the DVD player will close the OSD information, even if you press the OSD key on the remote control.
- Setup the item as follows:
 - Use the ◀▶ keys to highlight the item LANGUAGE in the top menu, then press the SELECT key to open the first level submenu.
 - Use the ▲▼ keys to select OSD item.
 - Press the SELECT key for selected option.



Factory default

- If problems are encounter during setting up the DVD player, the item DEFAULT is used to reset all items to factory default and all the personal setting will be erased.
- Setup the item as follows:
 - Use the ◀▶ keys to highlight the item LANGUAGE in the top menu, then press the SELECT key to open the first level submenu.
 - Use the ▲▼ keys to select DEFAULT item.
 - Press the SELECT key to open the second level submenu.
 - Use the ▲▼ keys to select ON or OFF.
 - Press the SELECT key to confirm the change.

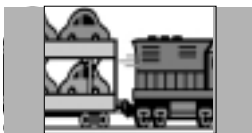
NOTE:

- When the setup is ON, it will reset all items to factory default.



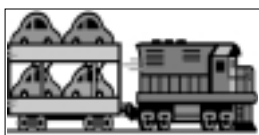
4:3 Letter Box

fig.1



4:3 Pan Scan

fig.2



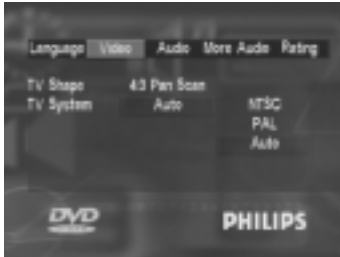
16:9 Wide Screen

fig.3

Screen size

- The normal TV screen size ratio is 4:3, but there is also a TV screen which its size ratio is 16:9, wide as cinema screen and it's call 'wide-screen'.
- If a disc is recorded in the size of wide-screen, it will have some problem in playing on a normal TV set and the feature SCREEN SIZE is used.
- There are three selections in the item to modify the distorted screen picture:
 - 1 4:3 LB — used for 16:9 format movie discs play in 4:3 TV set. It sacrifices certain top and bottom screen space for getting a 16:9 picture size. (refer to fig .1)
 - 2 4:3 PS — used for 16:9 format movie discs play in 4:3 TV set. It sacrifices certain picture part for getting 4:3 picture size. (refer to fig .2)
 - 3 16:9 wide-screen — used for 16:9 format movie discs play in 16:9 TV set. If the disc is recorded in 4:3 format, the picture will also have some distortion.

- Setup the item as follows:
 - Use the ◀▶ keys to highlight the item VIDEO in the top menu, then press the SELECT key to open the first level submenu.
 - Use the ▲▼ keys to select TV SHAPE item.
 - Press the SELECT key to open the second level submenu.
 - Use the ▲▼ keys to select your preferred TV shape.
 - Press the SELECT key to confirm the change.



TV system

- There are two major television systems, PAL (popular in Asia) and NTSC (National Television Systems Committee-popular in America). Most of TV sets can play with the two systems. Set this feature according to the system of your TV (PAL,NTSC or AUTO).
- Setup the item as follows:
 - Use the ◀▶ keys to highlight the item VIDEO in the top menu, then press the SELECT key to open the first level submenu.
 - Use the ▲▼ keys to select TV SYSTEM item.
 - Press the SELECT key to open the second level submenu.
 - Use the ▲▼ keys to select your preferred TV system.
 - Press the SELECT key to confirm the change.

Audio output

- This feature is applicable to either analog audio output or digital audio output.
- The item of "Dolby D" only adapt to DVD discs and the item OTHER adapt to the "Others". You can setup the relevant item as follows:
 - Use the ◀▶ keys to highlight item AUDIO in the top menu, then press the SELECT key to open its submenu.
 - Press the ▲▼ keys to highlight the selection and press the SELECT key to change it.



[Dolby D]

[Analog out]

- [2CH] If you choose 2CH stereo receiver or Dolby digital decoder instrument, you must setup audio output as 2CH.
- [OFF] When you highlight this item, analog out will be close.

[Digital output] Such option as [RAW] and [PCM] will be supplied.

[Others]

[Analog out] Such option as [2CH], [OFF] will be supplied. You can select the proper option.

[Digital output] Such option as [RAW], [PCM], [OFF] will be supplied.

- Press the SETUP key to activate it and quit the from the feature.

NOTE:

- The digital output of DTS discs must be setup as RAW.



Password

- This password is used on the parental control and disc lock.
- Use the ◀▶ keys to highlight the item RATING in the top menu, then press the SELECT key to open its submenu.
- Use the ▲▼ keys to highlight the item PASSWORD and enter your secret numbers.
- Press the SELECT key and press the SETUP key to quit.

NOTE:

- If you forget the password, you can enter the default password 9999 and replace your code after logging in.

Parental control

- DVD disc can be set with levels which define the movie degrees of violence, horror or isticism. There are 8 levels defined in a standard literature for the setting by distributors. From level 1 to level 8, the ponderance increases gradually. If the parental control is activated, only the movies which the degree is lower than the level you set can be admitted to show, otherwise, you have to enter the password for authorisation.
- VCD, SVCD, CD has no level defination, so parental control function has no effect on those kinds of discs as well as most of illegal DVD discs.
- You can follow the steps below to setup the parental control:
 - Highlight the item RATING in the top menu by using the ◀▶ keys and press the SELECT key to enter the submenu.
 - Press the ▲▼ keys to select the item PASSWORD and enter your code to log in. You can enter the default password 9999 the first time by pressing the number keys on the remote control, and press the SELECT key to confirm.
 - Press the SELECT key to open the lock icon as shown.
 - Move the cursor to RATING item and press the SELECT key to change the level.
 - Press the ▲▼ keys to select the item PASSWORD and enter your code.
 - Press the SELECT key to close the lock icon as shown.
 - You can press the key SETUP to quit the setup menu.

Note:

- You can also use the default password 9999 to log in, even if you have set a password.



Disc lock

- Although you can't use parental control on VCD and SVCD discs, but you can still use disc lock to limit the disc playback on your player.
- When you lock the current disc, the player will record its serial number for the recognition. Loading discs next time, the user will be asked to enter password. If the password is wrong, the disc will be forbidden to playback.
- The password is the same as in parental control. Also, you can use the default password 9999 to open the disc lock if you forget the password.
- You can follow the steps below to setup the disc lock.
 - Highlight the item RATING in the top menu by using the ◀▶ keys, press the key SELECT to enter the submenu.
 - Press the ▲▼ keys to select the item PASSWORD and enter your code to log in. You can enter the default password 9999 the first time by pressing the number keys on the remote control, and press the SELECT key to confirm.
 - Press the SELECT key to unlock the icon as shown.
 - Highlight the item DISC LOCK by using the ▲▼ keys and press the SELECT key to change the setup.
 - There are two options in the item. One is UNLOCK indicating the disc lock function is not active, the other is LOCK determining the operation to the current disc.
 - Press the ▲▼ keys to select the item PASSWORD and enter your code.
 - Press the SELECT key to make the lock close.
 - You can press the key SETUP to quit the setup menu.

NOTE:

- DVD discs beyond the setting range will not playback in the player having parental control, but that won't influence its normal playback in other players.



Pro Logic

- You can follow the steps below to setup the Pro Logic.
 - Press the ◀▶ keys to highlight the item MORE AUDIO in the top menu, then press the SELECT key to open the first level submenu.
 - Press the ▲▼ keys to select the item PRO LOGIC.
 - Press the SELECT key to open the second level submenu.
 - Press the ▲▼ keys to select the desired option.
 - ON:** When playback the disc with Dobby Pro Logic signal recorded on it, DVD player will decode and output of Dolby Pro Logic surround sound.
 - OFF:** Disable the output of Dolby Pro Logic surround sound.
 - AUTO:** Enable or disable the output of Dolby Pro Logic surround sound depending on the signal recorded on the disc.
 - Press the SELECT key to confirm selection.

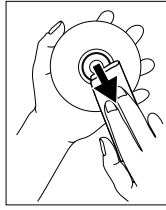
Subwoofer

- You can follow the steps below to setup the Subwoofer.
 - Press the ◀▶ keys to highlight the item MORE AUDIO in the top menu, then press the SELECT key to open the first level submenu.
 - Press the ▲▼ keys to select the item SUBWOOFER.
 - Press the SELECT key to open the second level submenu.
 - Press the ▲▼ keys to select the desired option.
 - ON:** Enable the signal output for subwoofer.
 - OFF:** Disable the signal output for subwoofer.
 - Press the SELECT key to confirm selection.



Disc maintenance

Some problems occur because the disc inside the player is dirty. To avoid those problems, clean your discs regularly.



- When the disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from center to outside.

Caution:

- **Do not use solvents such as benzene, thinner, commercially available cleaners, or anti-static spray intended for analog discs.**

Environmental information

Environmental information

All redundant packing material has been omitted. We have done our utmost to make the packaging easily separable into three mono materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet.)

Your set consists of material which can be recycled if disassembled by a specialized company. Please observe the local regulations regarding to the disposal of packing materials, dead batteries and old equipment.

Before requesting service

If it appears that the DVD Video player is faulty, first consult this checklist. Something may have been overlooked. Under no circumstances should you attempt to repair the system yourself; this will invalidate the warranty.

Look for the specific symptom(s). Then perform only the actions listed to remedy the specific symptom(s).

Symptom	Remedy
No power	<ul style="list-style-type: none">– Check if the on/off button on the front of the player is set to on.– Check if there is power at the AC outlet by plugging in another appliance.
No picture	<ul style="list-style-type: none">– Check if the TV is switched on.– Select the same channel and source on the TV as on the player.– Check the video connection.
Distorted picture	<ul style="list-style-type: none">– Check the disc for fingerprints and clean the disc with a soft cloth, wiping from the center to the edge.– Sometimes a small amount of picture distortion may appear. This is not a malfunction.
Completely distorted picture or no color with player menu	<ul style="list-style-type: none">– If the picture is distorted completely or if the picture rolls vertically, make sure the NTSC/PAL setting at the DVD player matches the video signal of your television.– If your TV video signal is NTSC, select the NTSC setting at the DVD player.– If your video signal is PAL, select the PAL setting.
Distorted or black/white picture with DVD or Video CD	<ul style="list-style-type: none">– The disc format does not match your TV's video signal (PAL/NTSC).
No sound	<ul style="list-style-type: none">– Check audio connections.– If you are using a HiFi amplifier, try another sound source.
Distorted sound from HiFi amplifier	<ul style="list-style-type: none">– Check to make sure that no audio connections are made to the amplifier's phono input.
No audio at digital output	<ul style="list-style-type: none">– Check the digital connections.– Check the settings menu to make sure the digital output is set to ALL or PCM.– Check if the audio format of the selected audio language matches your receiver capabilities.
Disc can't be played	<ul style="list-style-type: none">– Ensure the disc label is facing up.– Clean the disc.– Check if the disc is defective by trying another disc.– Check to see if the disc is defective, badly scratched or warped (not flat).
No return to start-up screen when disc is removed	<ul style="list-style-type: none">– Reset the unit by switching the player off, then on again.– Check to see if the program requires another disc to be loaded.
The player does not respond to the remote control	<ul style="list-style-type: none">– Aim the remote control directly at the sensor on the front of the player.– Remove any obstacles between the player and the remote control.– Inspect or replace the batteries in the remote control.
Buttons do not work	<ul style="list-style-type: none">– In order to completely reset the player, unplug the AC cord from the AC outlet for a few seconds.
Player does not respond to some operating commands during playback	<ul style="list-style-type: none">– Operations may not be permitted by the disc. Refer to the instructions of the disc.

GENERAL

* Power supply	110 ~ 240V 50,60Hz
* Power consumption	< 25W
* Video standard	NTSC/PAL changable

ANALOG AUDIO OUTPUT

* Audio channels	left/right
* Output voltage	2.0V \pm 2dB
* Frequency responds range	20Hz ~ 20KHz \pm 2dB
* S/N (signal/noise)	\geq 90dB

DIGITAL AUDIO OUTPUT

* Digital	MPEG DTS Dolby Digital PCM
-----------	-------------------------------------

VIDEO PERFORMANCE

* CVBS	1 Vpp --- 75 Ω
* S-Video	
	Y: 1.00 Vpp --- 75 Ω
	C: 0.30 Vpp --- 75 Ω
* YUV	
	Y: 1.00 Vpp --- 75 Ω
	CB: 0.70 Vpp --- 75 Ω
	CR: 0.70 Vpp --- 75 Ω

CABINET

* Dimensions (WxDxH)	435 x 318 x 90 mm
* Weight	about 4.0 Kg

Specification subject to change without prior notice.