DVD PLAYER **DVD730K/691/751/781**

Service
Service
Service

Version: 1.0

Service Manual

COMPACT
disc
DIGITAL AUDIO

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CLASS 1
LASER PRODUCT

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GB 3122 785 11850

PHILIPS

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Specifications subject to change without Notice

1.Technical Specifications

DVD730K / 691/751/781

Specifications

Playback System

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

DVD Disc Format

- Medium: Optical disc
- Diameter: 12cm (8cm)
- Playing time(12cm)

One layer	2.15h¹
Dual layer	4 h¹
Two side, single layer	4.30 h¹
Two side, dual layer	8 h¹

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	50H	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} into75 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 Format

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

- Analog Sound Stereo
- Dolby digital downmix 2 channels

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

Connections

Component Video Output:	Cinch 1x
S-Video Output:	Mini DIN 4-pins
Video Output :	Cinch 1x
Audio Output(L+R):	Cinch 1x
Digital Audio Output :	Coaxial 1x Optical 1x
Microphone:	6.3mm
Headphone:	6.3mm

Power Supply

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

Cabinet

- Dimensions: 435x92x320mm (WxHxD)
- Weight: estimated 4.0Kg

Package Contents

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

DVD730K

General

- Stop/Play/Pause
- Fast Forward/Backward(x2, x4, x8, x20)
- Time Search
- Slow Forward(x1/2, x1/4, x1/6)
- 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 convertion
  (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

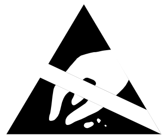
- Time Display(All/Track/Remaining Track Time)
- Full audio functionality with remote control
- Programming with Favourite Selection

Karaoke Functionality

- Echo Effect
- Voice Cancel

2. Warnings

ESD



(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 dØcharges statiques (ESD). Leur longØvite pourrait Œtre considØrablement Øcourtøe par le fait qu·aucune prØcaution nØst prise leur manipulation.
Lors de rØparations, s·assurer de bien Œtre reliØ au mŒme potentiel que la masse de l·appareil et enfileer le bracelet serti d·une rØsistance de sØcuritØ.
Veiller ce que les composants ainsi que les outils que l·on utilise soient Øgalement ce potentiel.

(D) WARNUNG
Alle ICs und viele andere Halbleiter sind empfindlich gegen ber elektrostatischen Entladungen (ESD).
Unsorgf ltige Behandlung im Reparaturfall kann die Lebensdauer drastisch reduzieren.
Sorgen Sie daf r, da Sie im Reparaturfall ber ein Pulsarmband 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 piø grande cauzione alla loro manipolazione. Durante le riparationi occorre quindi essere collegato allo stesso potenziale che quello della massa delÆpparecchio tramite un braccialetto a resistenza.
Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

SAFETY

(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 ⚠

(F)
Les normes de sØcuritØ exigent que l'appareil soit remis l'Øtat d'origine et que soient utilisØes les piŁces de rechange identiques celles spØcifiØes.
Les composants de sØcuritØ sont marquØs⚠

(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 oorspronkeliijke 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 ricambiago identici a quelli specificati.
Componenty 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 ppnad och sp rren r urkopplad. Betrakta ej str len.

CLASS 1
LASER PRODUCT

(FIN) Varoitus !
Avatussa laitteessa ja suojalukituksen ohitettaessa olet alttiina n kym tt m lle laseris teilylle. ˜l katso s teeseen !

(F)
"Pour votre sØcurite, ces documents doivent Œtre utilisØs pa des spØcialistes agrØØs, seuls habilitØs rØparer votre appareil en panne".

Advarsel !
Usynlig laserstr ling ved bning n r sikkerhedsafbrydere er ude af funktion. Undg udsaettelse for str ling.

Warning for powersupply on primary side

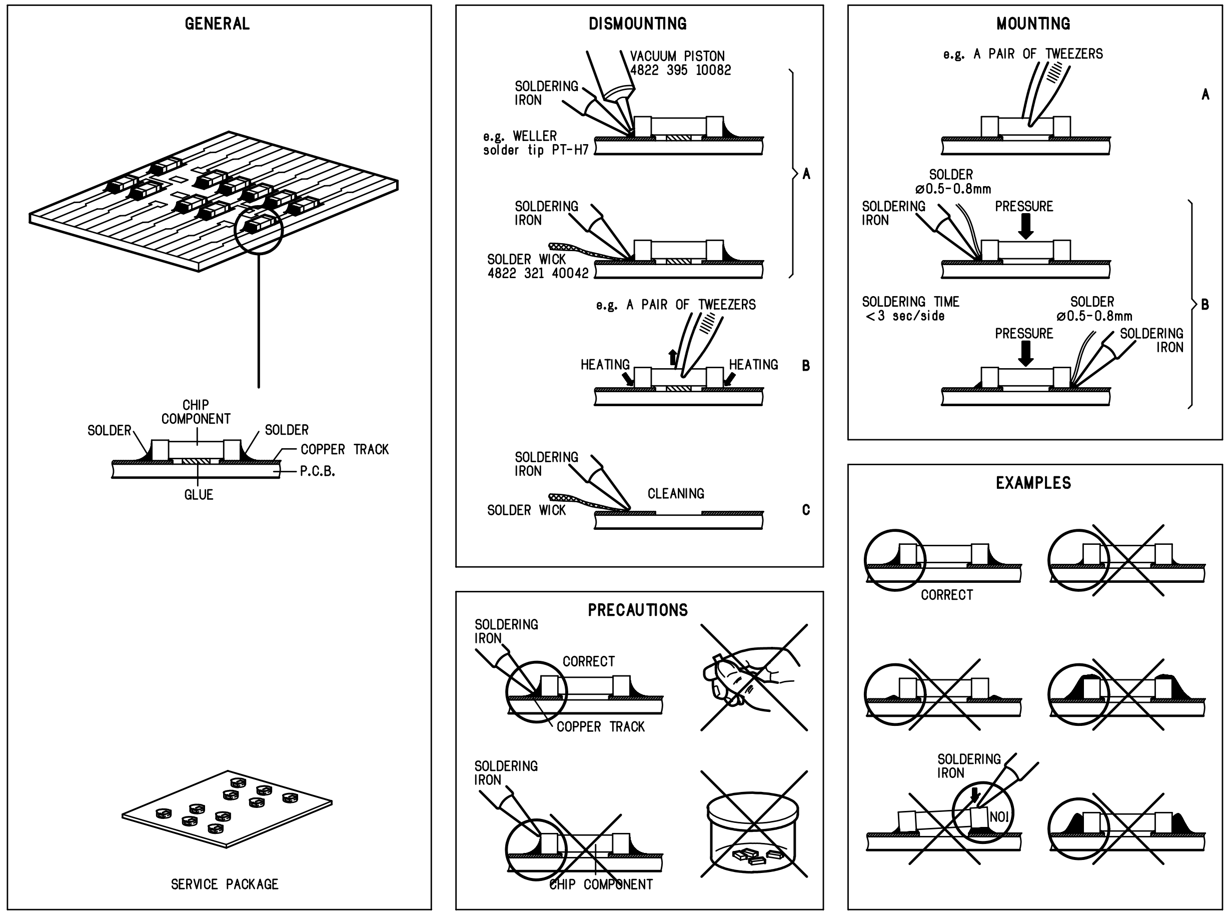
The primary side of the powersupply including the heatsink carries live mains voltage when the player is connected to the mains even when the player is swiched off !

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


GENERAL
CHIP COMPONENT
SOLDER
SOLDER
COPPER TRACK
P.C.B.
GLUE
SERVICE PACKAGE
DISMOUNTING
VACUUM PISTON 4822 395 10082
SOLDERING IRON
e.g. WELLER solder tip PT-H7
A
SOLDERING IRON
SOLDER WICK 4822 321 40042
e.g. A PAIR OF TWEEZERS
HEATING
HEATING
B
SOLDERING IRON
CLEANING
SOLDER WICK
C
MOUNTING
e.g. A PAIR OF TWEEZERS
A
SOLDER ⌀0.5-0.8mm
SOLDERING IRON
PRESSURE
SOLDERING TIME <3 sec/side
SOLDER ⌀0.5-0.8mm
PRESSURE
SOLDERING IRON
B
PRECAUTIONS
SOLDERING IRON
CORRECT
COPPER TRACK
SOLDERING IRON
CHIP COMPONENT
EXAMPLES
CORRECT
SOLDERING IRON
NO!

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

4. Revision information

Service manual version: 1.0

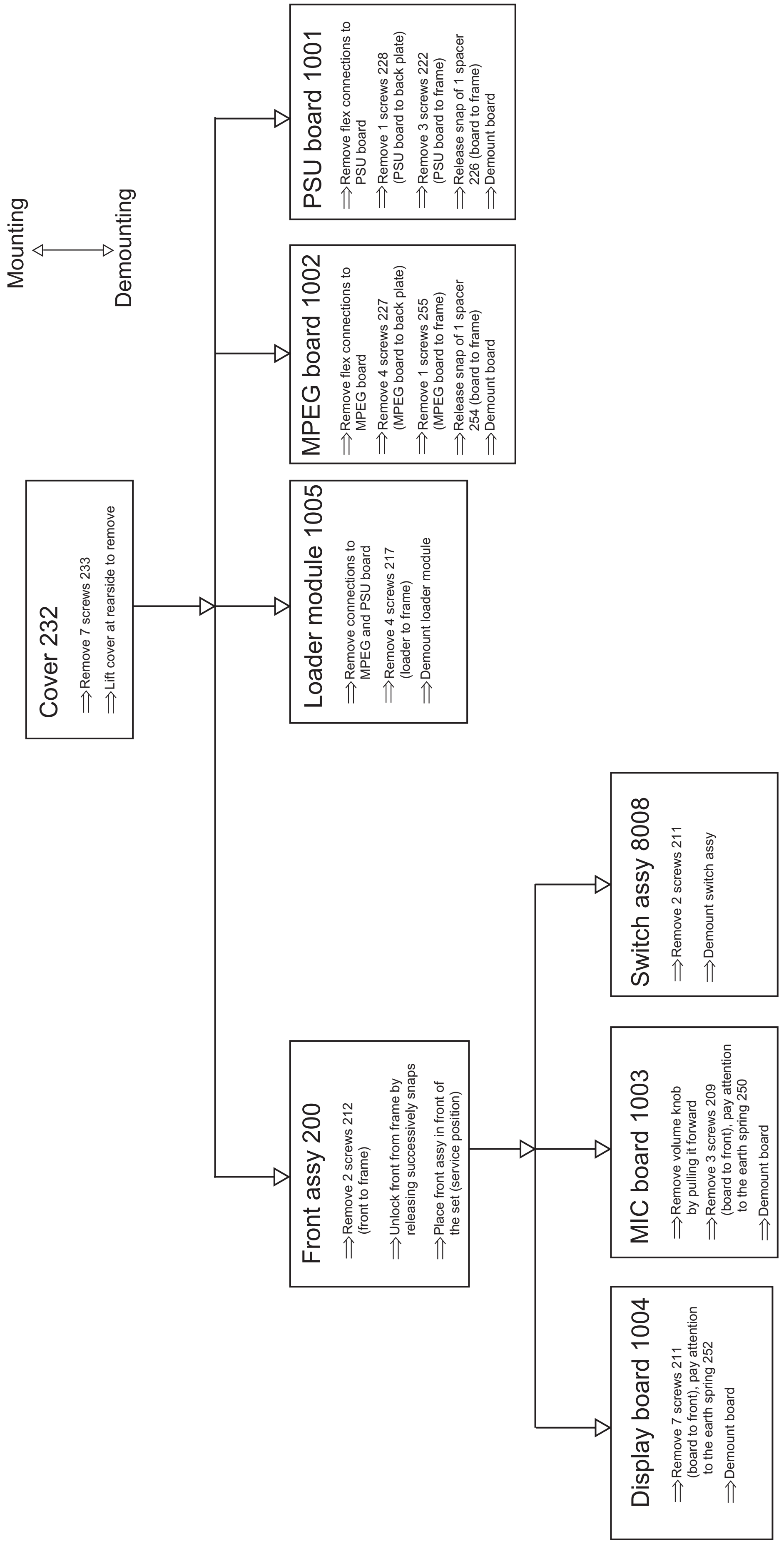
Issue Date : 15th, October, 2001

Revision information: N/A

5. Dismantling instructions and exploded view

DISMANTLING INSTRUCTIONS DVD730K/691/751/781

See exploded view for item numbers



Cover 232
- ⇒Remove 7 screws 233
- ⇒Lift cover at rearside to remove

PSU board 1001
- ⇒Remove flex connections to PSU board
- ⇒Remove 1 screws 228 (PSU board to back plate)
- ⇒Remove 3 screws 222 (PSU board to frame)
- ⇒Release snap of 1 spacer 226 (board to frame)
- ⇒Demount board

MPEG board 1002
- ⇒Remove flex connections to MPEG board
- ⇒Remove 4 screws 227 (MPEG board to back plate)
- ⇒Remove 1 screws 255 (MPEG board to frame)
- ⇒Release snap of 1 spacer 254 (board to frame)
- ⇒Demount board

Loader module 1005
- ⇒Remove connections to MPEG and PSU board
- ⇒Remove 4 screws 217 (loader to frame)
- ⇒Demount loader module

Front assy 200
- ⇒Remove 2 screws 212 (front to frame)
- ⇒Unlock front from frame by releasing successively snaps
- ⇒Place front assy in front of the set (service position)

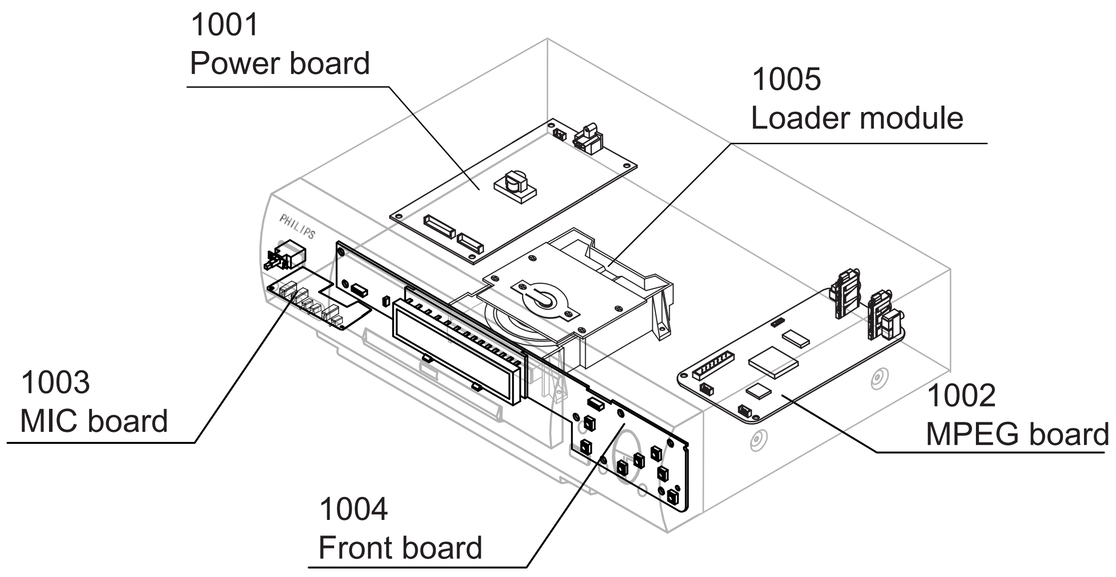
Switch assy 8008
- ⇒Remove 2 screws 211
- ⇒Demount switch assy

MIC board 1003
- ⇒Remove volume knob by pulling it forward
- ⇒Remove 3 screws 209 (board to front), pay attention to the earth spring 250
- ⇒Demount board

Display board 1004
- ⇒Remove 7 screws 211 (board to front), pay attention to the earth spring 252
- ⇒Demount board

5. Dismantling instructions and exploded view

PCB LOCATION DVD730K/691/751/781



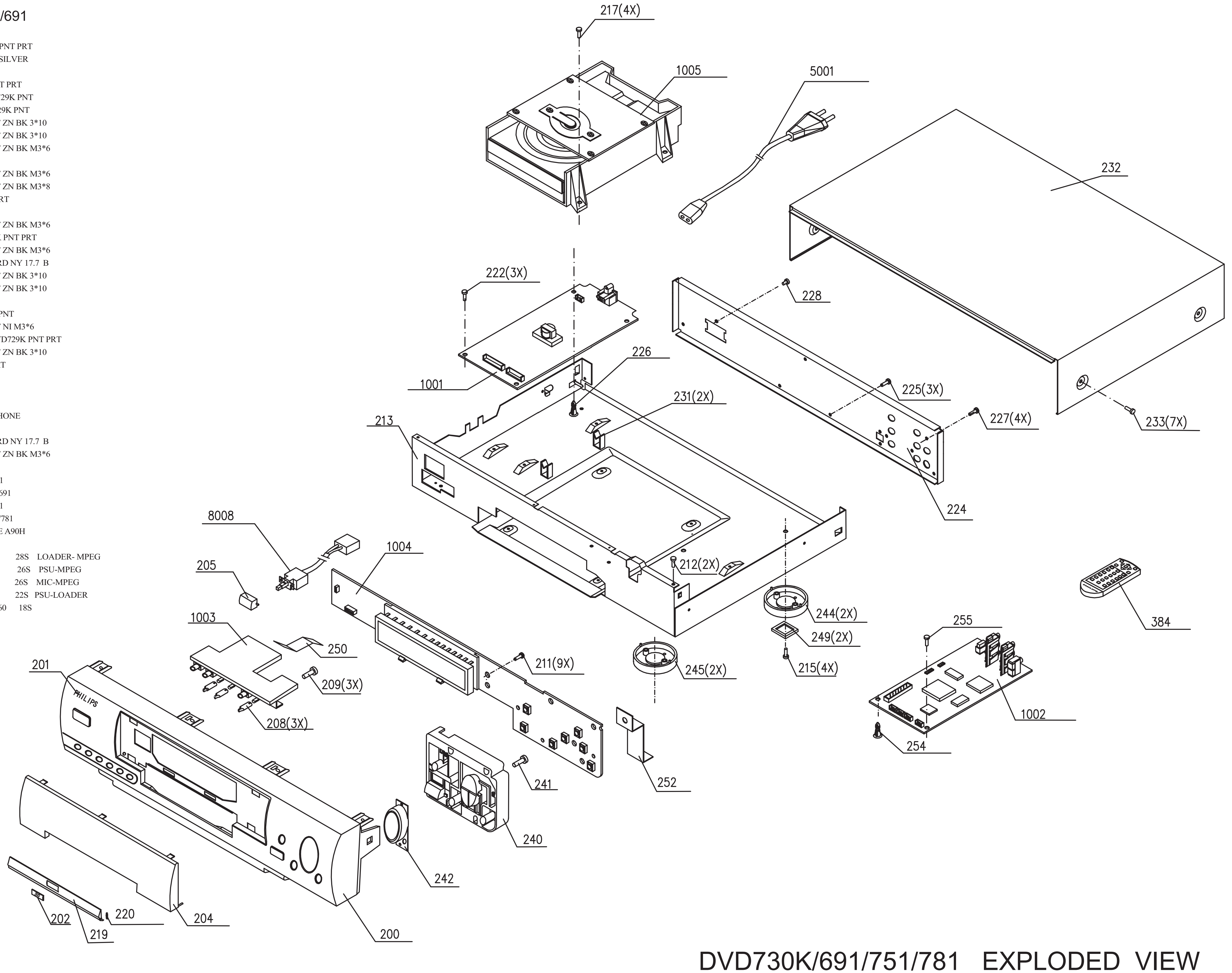
PARTS 12NC LIST

	DVD730K/691	DVD730K/751	DVD730K/781
1001 PSU board	3141 018 02490	3141 018 02490	3141 018 02490
1002 MPEG board	3141 018 02430	3141 018 02440	3141 018 02460
1003 MIC board	3141 018 02280	3141 018 02280	3141 018 02280
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 DVD730K/691

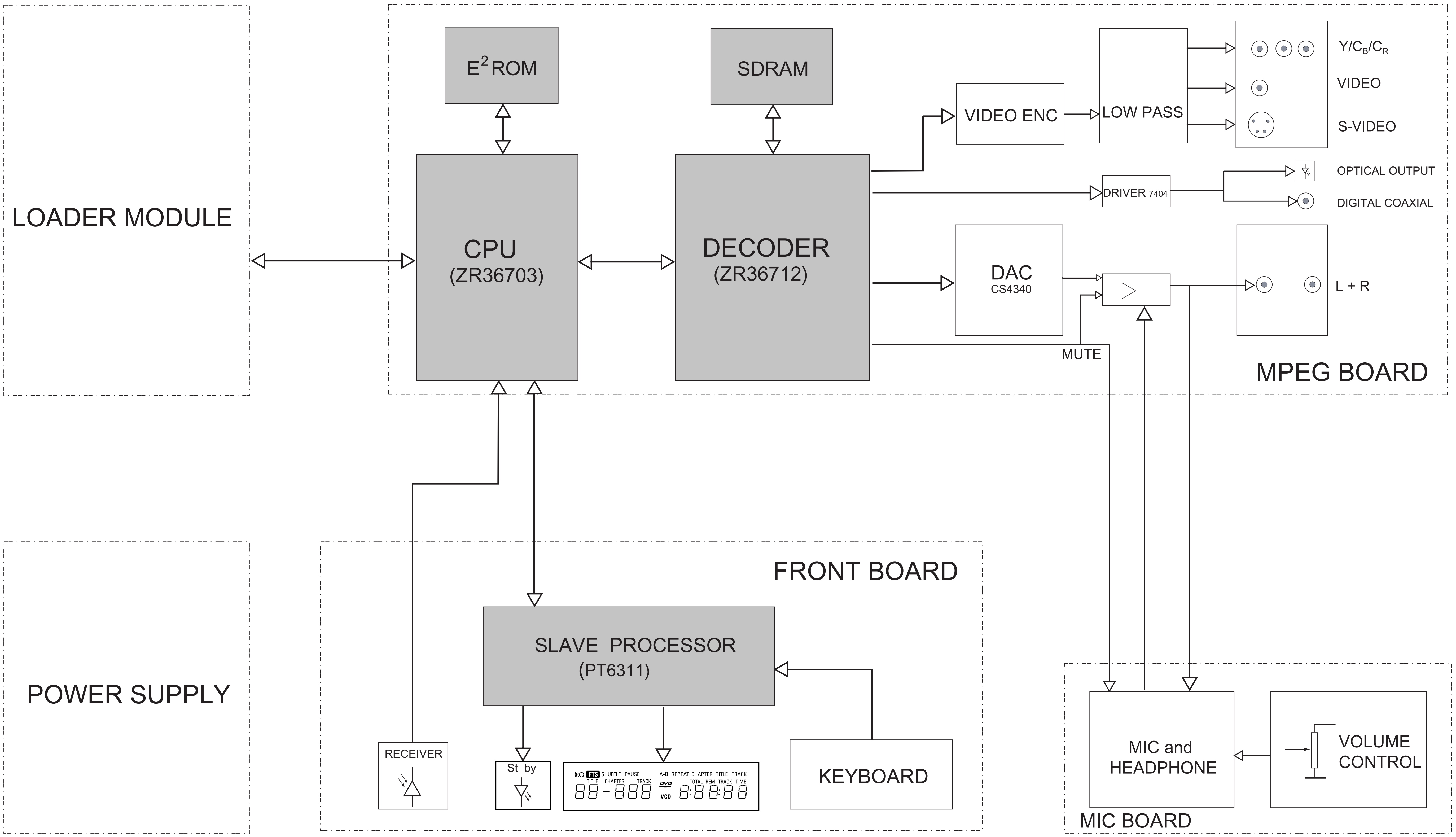
ITEM	QUANTITY	CODE NUMBER	DESCRIPTION
200	1	3141 017 75470	CAB FRONT DVD730K PNT PRT
201	1	3139 247 51830	BADGE PHILIPS ASSY SILVER
202	1	3139 240 00090	BADGE DVD SILVER 2
204	1	3141 017 73990	WINDOW DVD728K PNT PRT
205	1	3141 017 75060	BUTTON POWER DVD729K PNT
208	3	3141 017 75070	VOLUME KNOB DVD729K PNT
209	3	2511 076 50013	SCR PAN TORX TAP ST ZN BK 3*10
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 75410	DOOR DVD729K PNT PRT
220	1	3139 241 20110	DOOR SPRING
222	3	2511 077 00039	SCR PAN TORX TAP ST ZN BK M3*6
224	1	3141 017 75490	BACK PLATE DVD730K 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	4	2511 076 50013	SCR PAN TORX TAP ST ZN BK 3*10
228	1	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	2	3139 244 00410	FOOT DVD711
245	2	3139 247 50750	FOOT ASSY DVD711
249	2	3139 243 10010	CUSHION
250	1	3139 241 20090	EARTH PLATE HEADPHONE
252	1	3141 011 60390	EMC SPRING
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 90120	REMOTE CONTROL
1001	1	3141 018 02490	PBAS PSU DVD729K/031
1002	1	3141 018 02430	PBAS MPEG DVD730K/691
1003	1	3141 018 02280	PBAS MIC DVD729K/691
1004	1	3141 018 02510	PBAS FRONT DVD0707/781
1005	1	3141 018 02190	DVD LOADER MODULE A90H
5001	1	3139 118 72780	MAINS CORD IEC
8002	1	3141 010 20900	CWAS 40RK/40RK 230 28S LOADER- MPEG
8003	1	3141 010 20910	CWAS 08XH/08XH 500 26S PSU-MPEG
8004	1	3141 010 20880	CWAS 08EH/08PH 460 26S MIC-MPEG
8006	1	3141 010 20850	CWAS 04XH/04LC 260 22S PSU-LOADER
8008	1	3141 010 21000	SWI ASSY 1X2 M7.92 260 18S



DVD730K/691/751/781 EXPLODED VIEW

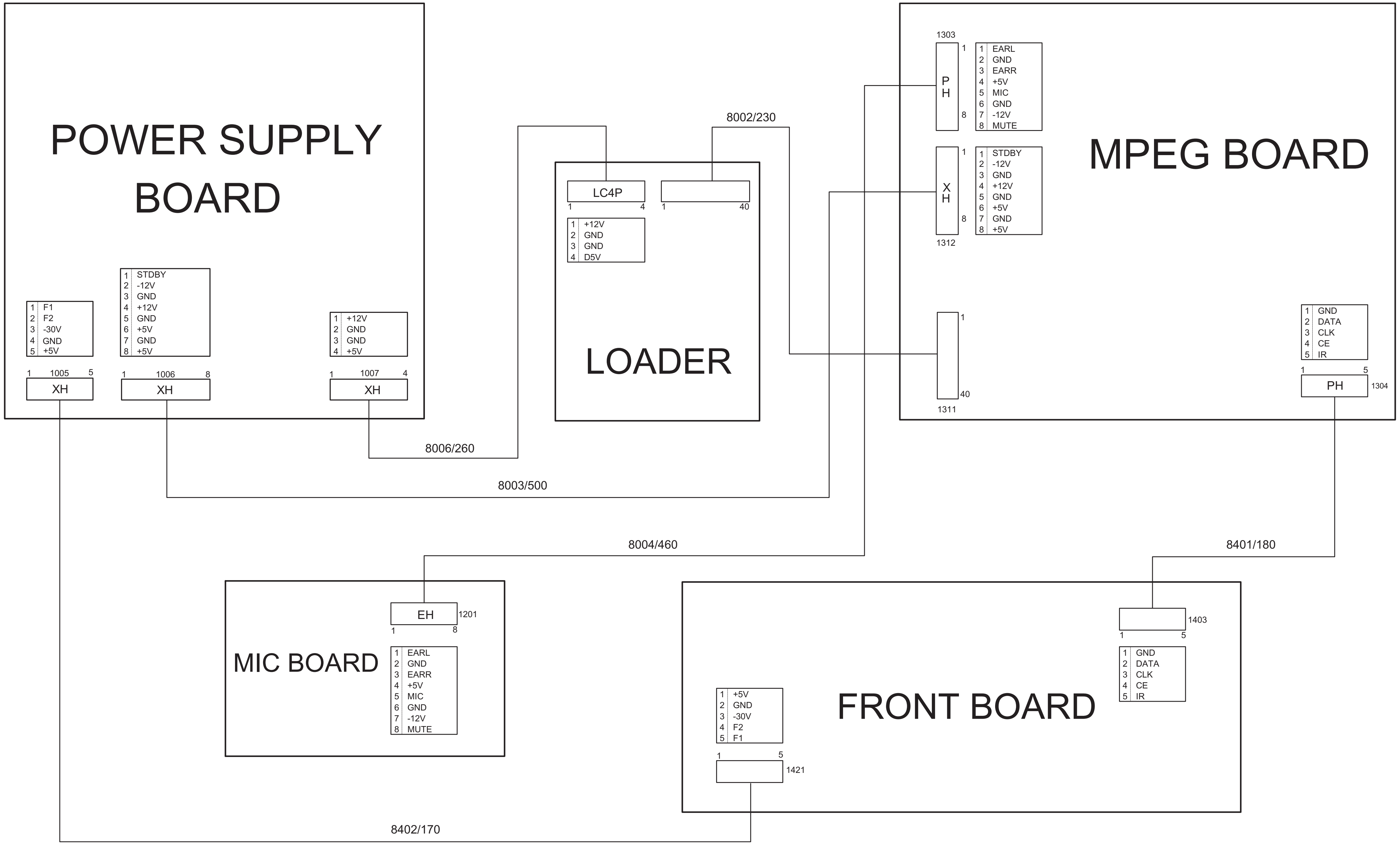
6. Block- and wiring diagram

BLock diagram DVD730K/691/751/781


LOADER MODULE
E2ROM
SDRAM
CPU
(ZR36703)
DECODER
(ZR36712)
VIDEO ENC
LOW PASS
Y/CB/CR
VIDEO
S-VIDEO
DRIVER 7404
OPTICAL OUTPUT
DIGITAL COAXIAL
DAC
CS4340
L + R
MUTE
MPEG BOARD
FRONT BOARD
SLAVE PROCESSOR
(PT6311)
RECEIVER
St_by
KEYBOARD
POWER SUPPLY
MIC and
HEADPHONE
VOLUME
CONTROL
MIC BOARD

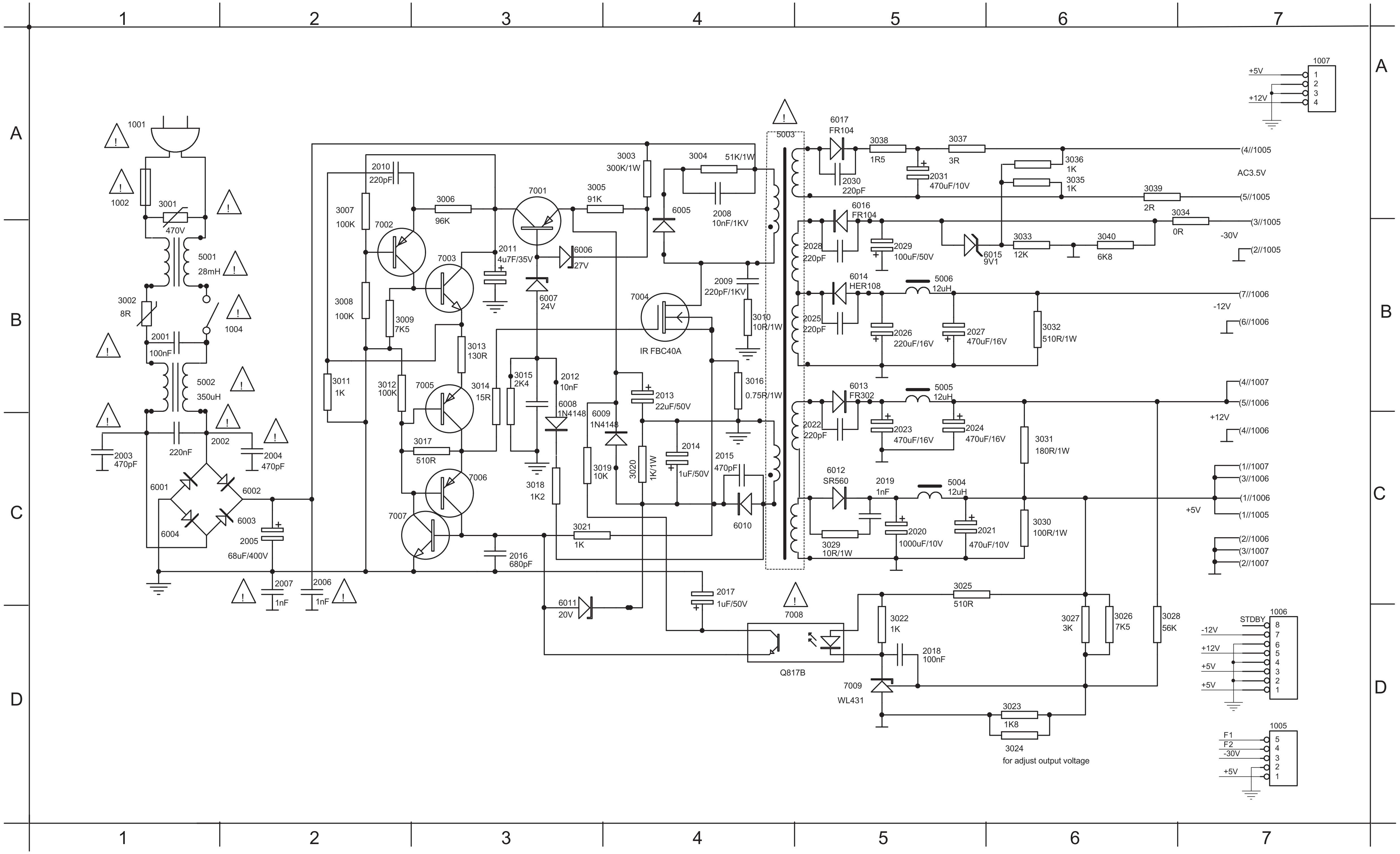
6. Block- and wiring diagram

Wiring diagram DVD730K/691/751/781


POWER SUPPLY BOARD
1 F1
2 F2
3 -30V
4 GND
5 +5V
1 1005 5
XH
1 STDBY
2 -12V
3 GND
4 +12V
5 GND
6 +5V
7 GND
8 +5V
1 1006 8
XH
1 +12V
2 GND
3 GND
4 +5V
1 1007 4
XH
8006/260
8003/500
8002/230
LOADER
LC4P
1 4
1 40
1 +12V
2 GND
3 GND
4 D5V
MPEG BOARD
1303
PH
1 8
1 EARL
2 GND
3 EARR
4 +5V
5 MIC
6 GND
7 -12V
8 MUTE
XH
1 8
1312
1 STDBY
2 -12V
3 GND
4 +12V
5 GND
6 +5V
7 GND
8 +5V
1 40
1311
1 GND
2 DATA
3 CLK
4 CE
5 IR
1 5
PH
1304
8004/460
8401/180
MIC BOARD
EH
1201
1 8
1 EARL
2 GND
3 EARR
4 +5V
5 MIC
6 GND
7 -12V
8 MUTE
FRONT BOARD
1403
1 5
1 GND
2 DATA
3 CLK
4 CE
5 IR
1 +5V
2 GND
3 -30V
4 F2
5 F1
1 5
1421
8402/170

7. Electrical diagrams and Print-layouts

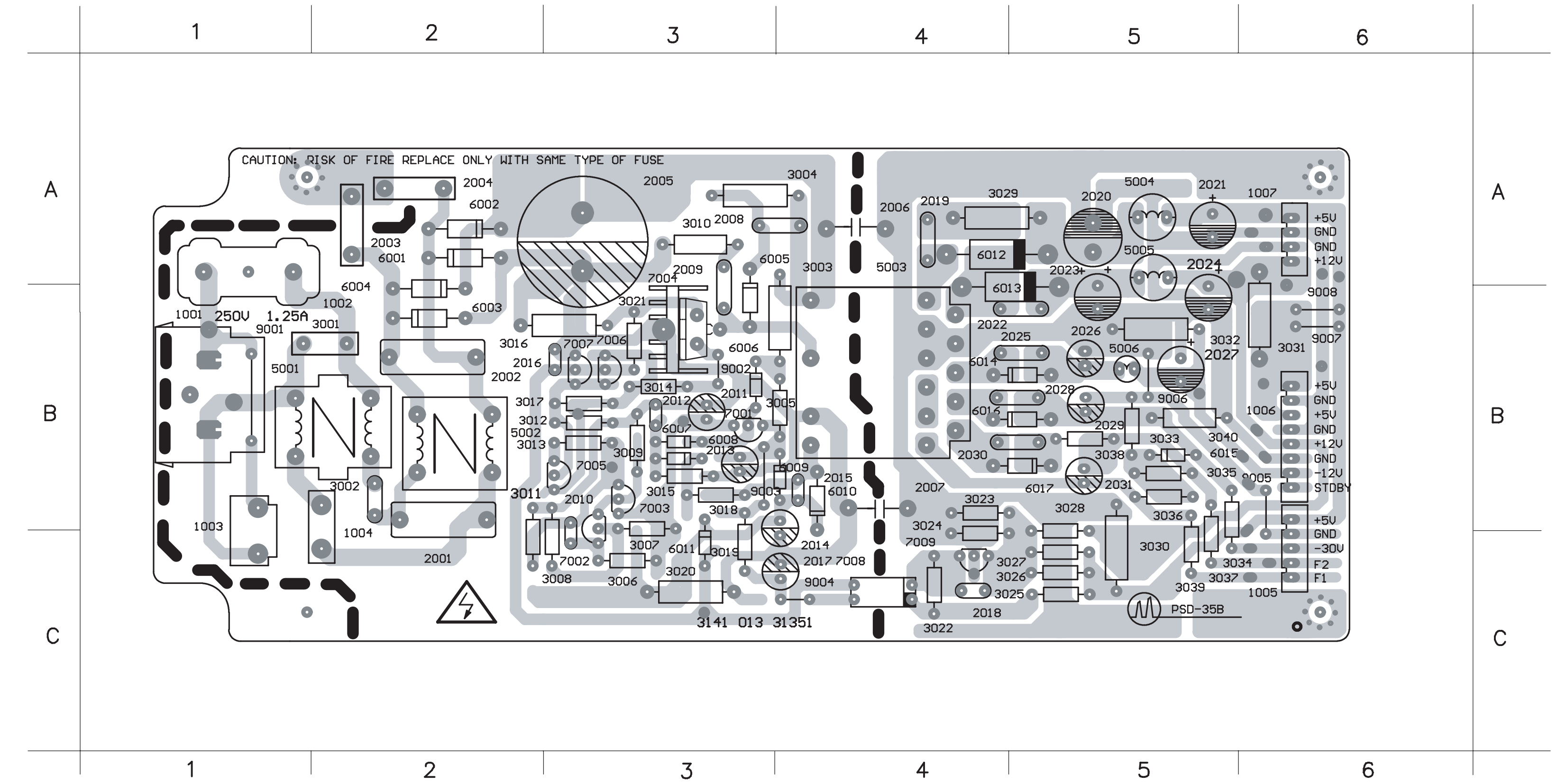
Power supply board DVD730K/691/751/781


1
2
3
4
5
6
7
A
B
C
D
1001
1002
3001
470V
5001
28mH
3002
8R
1004
2001
100nF
5002
350uH
2003
470pF
220nF
2002
2004
470pF
6001
6002
6003
6004
2005
68uF/400V
2007
1nF
2006
1nF
2010
220pF
3007
100K
7002
3006
96K
7003
3008
100K
3009
7K5
3011
1K
3012
100K
7005
3013
130R
3014
15R
3017
510R
7006
7007
2011
4u7F/35V
7001
3005
91K
6006
27V
6007
24V
3015
2K4
2012
10nF
6008
1N4148
3018
1K2
3021
1K
2016
680pF
3003
300K/1W
3004
51K/1W
6005
2008
10nF/1KV
2009
220pF/1KV
7004
IR FBC40A
3010
10R/1W
3016
0.75R/1W
2013
22uF/50V
6009
1N4148
3019
10K
3020
1K/1W
2014
1uF/50V
2015
470pF
6010
6011
20V
2017
1uF/50V
7008
Q817B
5003
6017
FR104
2030
220pF
3038
1R5
2031
470uF/10V
3037
3R
3036
1K
3035
1K
AC3.5V
3039
2R
3034
0R
6016
FR104
2028
220pF
2029
100uF/50V
6015
9V1
3033
12K
3040
6K8
-30V
6014
HER108
5006
12uH
2025
220pF
2026
220uF/16V
2027
470uF/16V
3032
510R/1W
-12V
6013
FR302
5005
12uH
2022
220pF
2023
470uF/16V
2024
470uF/16V
3031
180R/1W
+12V
6012
SR560
2019
1nF
5004
12uH
2020
1000uF/10V
2021
470uF/10V
3029
10R/1W
3030
100R/1W
+5V
(4//1005
(5//1005
(3//1005
(2//1005
(7//1006
(6//1006
(4//1007
(5//1006
(4//1006
(1//1007
(3//1006
(1//1006
(1//1005
(2//1006
(3//1007
(2//1007
3025
510R
3022
1K
2018
100nF
7009
WL431
3027
3K
3026
7K5
3028
56K
3023
1K8
3024
for adjust output voltage
1007
+5V
+12V
1
2
3
4
1006
STDBY
-12V
+12V
+5V
+5V
8
7
6
5
4
3
2
1
1005
F1
F2
-30V
+5V
5
4
3
2
1
1
2
3
4
5
6
7

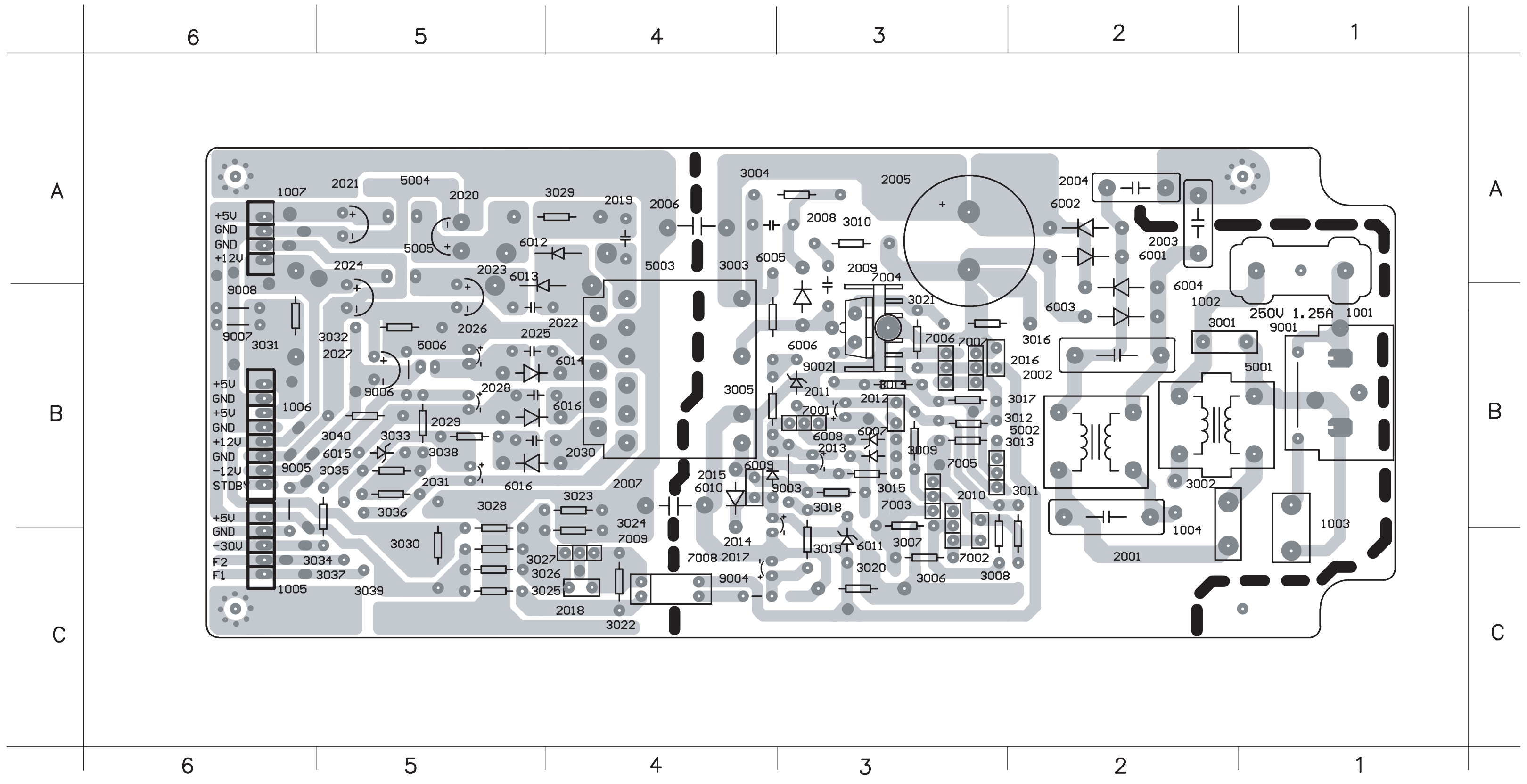
1001	A1	2001	B1	3001	A1
1002	A1	2002	C1	3002	B1
1004	B1	2003	C1	3003	A4
1005	A7	2004	C2	3004	A4
1006	B7	2005	C2	3005	A3
1007	C7	2006	C2	3006	A3
		2007	C2	3007	A2
		2008	A4	3008	B2
		2009	B4	3009	B2
		2010	A2	3010	B4
		2011	B3	3011	B2
		2012	B3	3012	B2
		2013	B4	3013	B3
		2014	C4	3014	B3
		2015	C4	3015	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 DVD730K/691/751/781


1
2
3
4
5
6
A
B
C
CAUTION: RISK OF FIRE REPLACE ONLY WITH SAME TYPE OF FUSE
250V 1.25A
+5V
GND
GND
+12V
+5V
GND
+5V
GND
+12V
GND
-12V
STDBY
+5V
GND
-30V
F2
F1
3141 013 31351
PSD-35B

Component side

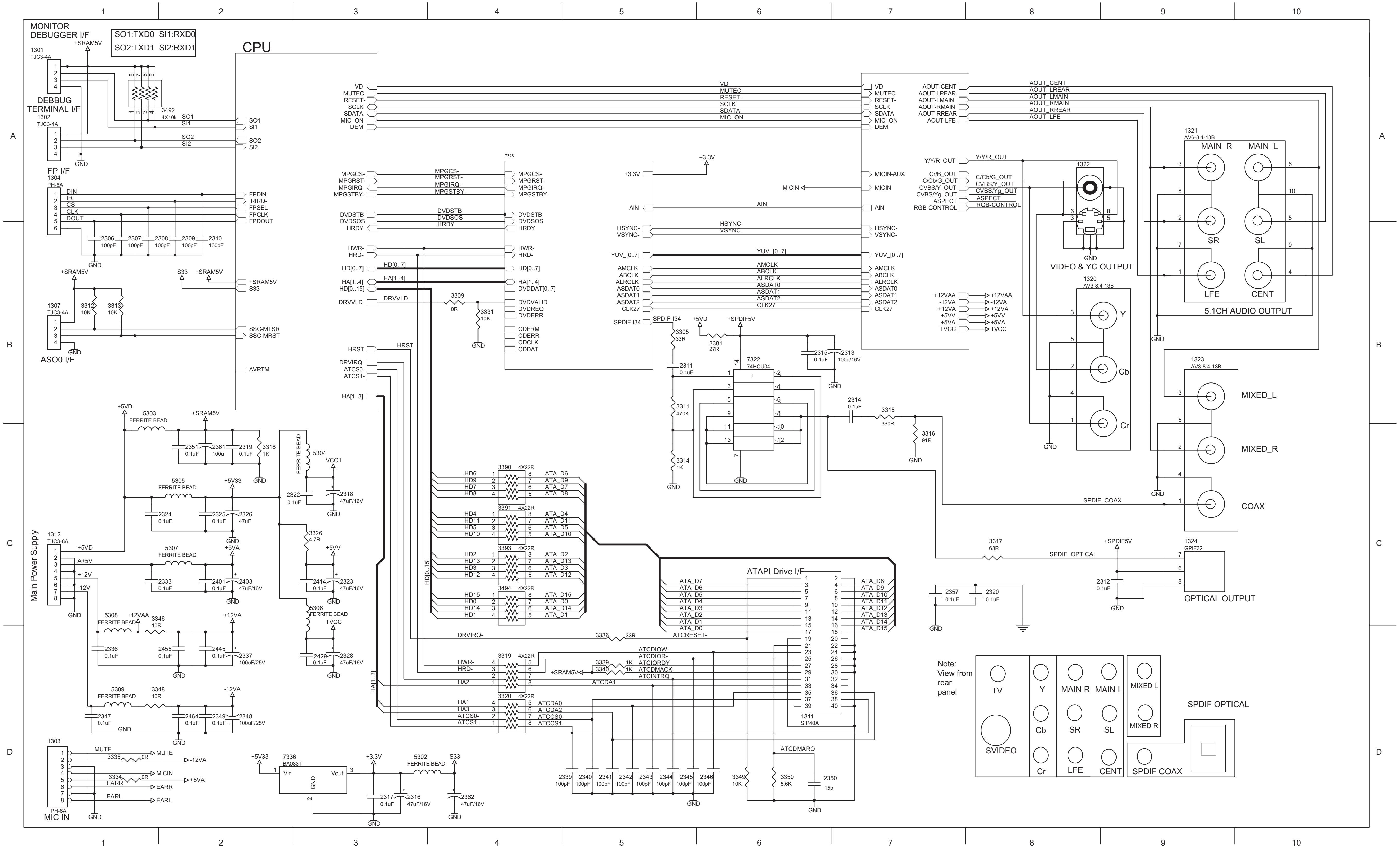

6
5
4
3
2
1
A
B
C
250V 1.25A
+5V
GND
GND
+12V
+5V
GND
+5V
GND
+12V
GND
-12V
STDBY
+5V
GND
-30V
F2
F1

Copper side

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

MPEG board DVD730K/691/751/781

Main Circuit

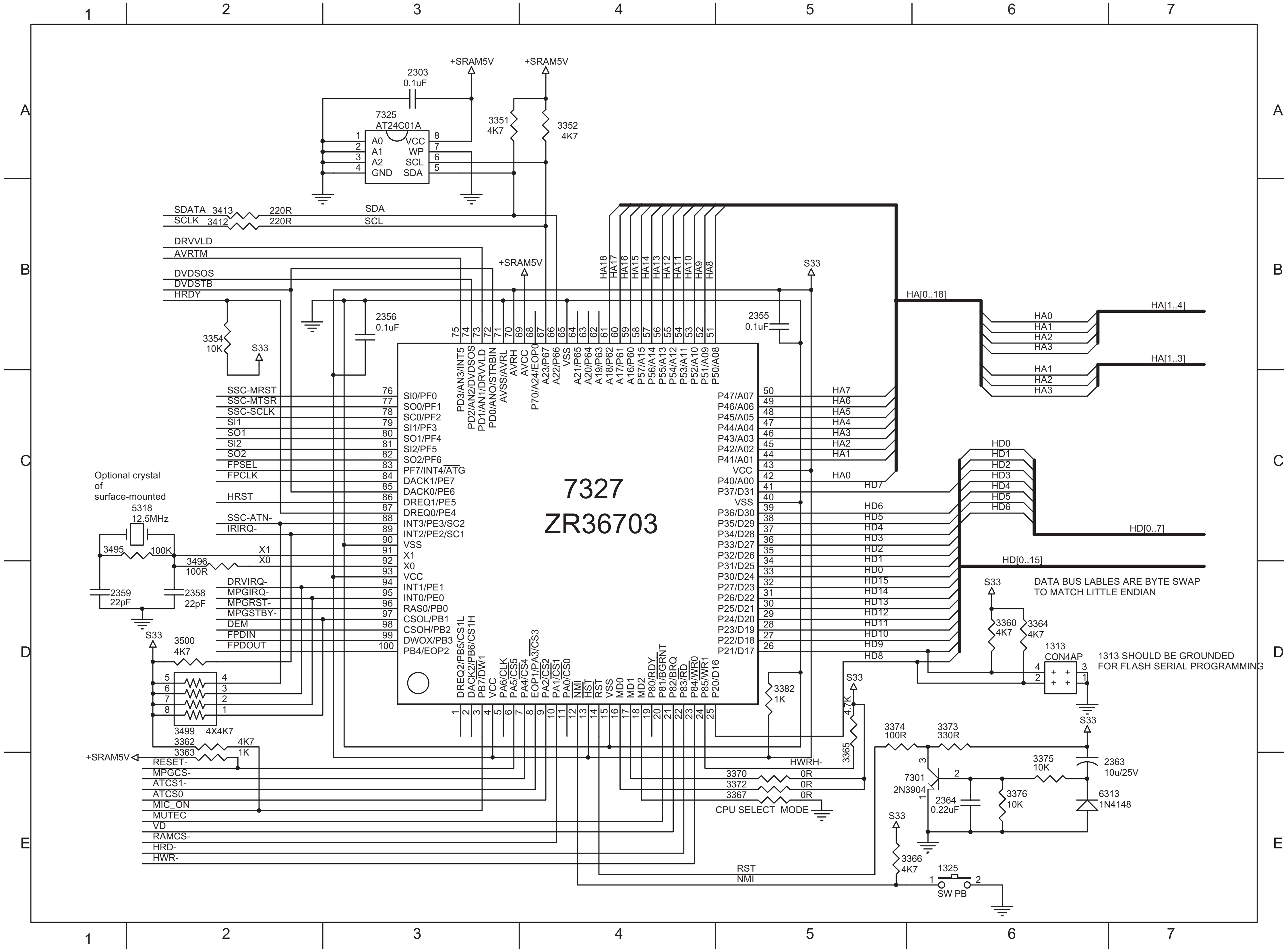


MONITOR DEBUGGER I/F
SO1:TXD0 SI1:RXD0
SO2:TXD1 SI2:RXD1
CPU
DEBBUG TERMINAL I/F
FP I/F
ASO0 I/F
Main Power Supply
MIC IN
7328
ATAPI Drive I/F
VIDEO & YC OUTPUT
5.1CH AUDIO OUTPUT
MAIN_R
MAIN_L
SR
SL
LFE
CENT
Y
Cb
Cr
MIXED_L
MIXED_R
COAX
OPTICAL OUTPUT
Note: View from rear panel
TV
SVIDEO
MAIN R
MAIN L
MIXED L
MIXED R
CENT
SPDIF OPTICAL
SPDIF COAX
7322 74HCU04
7336 BA033T
1311 SIP40A
1324 GPIF32
1321 AV6-8.4-13B
1320 AV3-8.4-13B
1323 AV3-8.4-13B
FERRITE BEAD
GND
+SRAM5V
+5VD
+5V33
+5VA
+5VV
+12VA
-12VA
+3.3V
+SPDIF5V
VD
MUTEC
RESET-
SCLK
SDATA
MIC_ON
DEM
MPGCS-
MPGRST-
MPGIRQ-
MPGSTBY-
DVDSTB
DVDSOS
HRDY
HWR-
HRD-
HD[0..7]
HA[1..4]
HD[0..15]
DRVVLD
HRST
DRVIRQ-
ATCS0-
ATCS1-
HA[1..3]
AIN
HSYNC-
VSYNC-
YUV_[0..7]
AMCLK
ABCLK
ALRCLK
ASDAT0
ASDAT1
ASDAT2
CLK27
SPDIF-I34
AOUT-CENT
AOUT-LREAR
AOUT-LMAIN
AOUT-RMAIN
AOUT-RREAR
AOUT-LFE
Y/Y/R_OUT
C/Cb/G_OUT
CVBS/Y_OUT
CVBS/Yg_OUT
ASPECT
RGB-CONTROL
MICIN-AUX
MICIN
SPDIF_COAX
SPDIF_OPTICAL
ATCDMARQ
ATCRESET-
ATCDIOW-
ATCDIOR-
ATCIORDY
ATCDMACK-
ATCINTRQ
ATCDA0
ATCDA1
ATCDA2
ATCCS0-
ATCCS1-
MUTE
EARR
EARL
1
2
3
4
5
6
7
8
9
10
A
B
C
D

1301	A1
1302	A1
1303	D1
1304	A1
1307	B1
1311	D6
1312	C1
1320	B8
1321	A9
1322	A8
1323	B9
1324	C9
2306	B1
2307	B1
2308	B1
2309	B2
2310	B2
2311	B5
2312	C9
2313	B7
2314	B7
2315	B6
2316	D3
2317	D3
2318	C3
2319	C2
2320	C8
2322	C3
2323	C3
2324	C1
2325	C2
2326	C2
2328	E3
2333	C1
2336	D1
2337	D2
2339	D5
2340	D5
2341	D5
2342	D5
2343	D5
2344	D5
2345	D5
2346	D6
2347	D1
2348	D2
2349	D2
2350	D6
2351	C2
2357	C7
2361	C2
2362	D4
2401	C2
2403	C2
2414	C3
2429	D3
2445	D2
2455	D2
2464	D2
3305	B5
3309	B4
3311	B5
3312	B1
3313	B1
3314	C5
3315	B7
3316	C7
3317	C8
3318	C2
3319	D4
3320	D4
3326	C3
3331	B4
3334	D1
3335	D1
3336	D5
3339	D5
3340	D5
3346	E1
3348	D1
3349	D6
3350	D6
3381	B6
3390	C4
3391	C4
3393	C4
3492	A1
3494	C4
5302	D3
5303	D1
5304	C3
5305	C2
5306	C3
5307	C2
5308	D1
5309	D1
7322	B6
7336	D2

MPEG board DVD730K/691/751/781

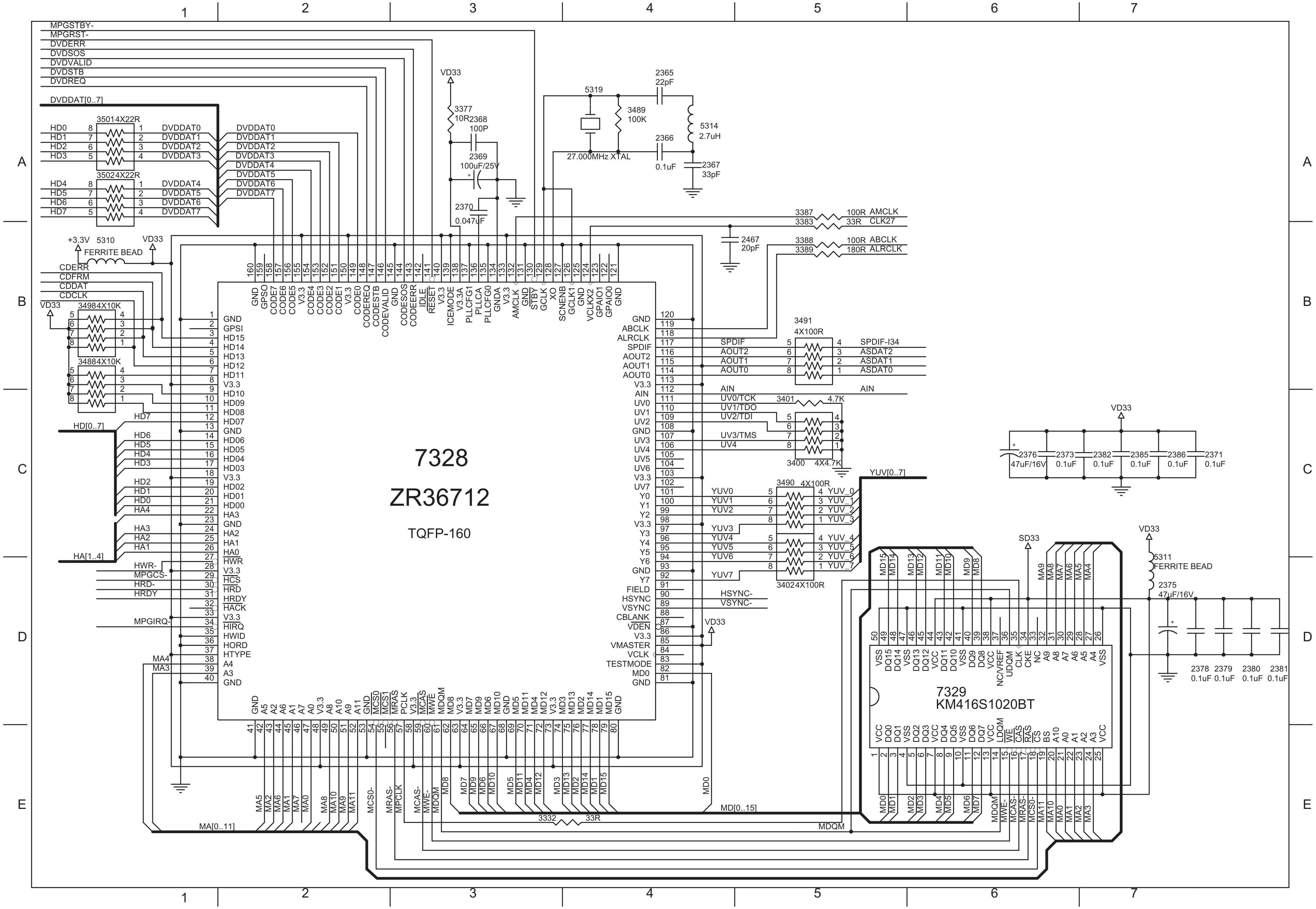
CPU - ZR36703


7327
ZR36703
7325
AT24C01A
2303
0.1uF
+SRAM5V
3351
4K7
3352
4K7
SDATA
SCLK
3413
3412
220R
SDA
SCL
DRVVLD
AVRTM
DVDSOS
DVDSTB
HRDY
3354
10K
S33
2356
0.1uF
2355
0.1uF
HA[0..18]
HA[1..4]
HA[1..3]
HD[0..7]
HD[0..15]
SSC-MRST
SSC-MTSR
SSC-SCLK
SI1
SO1
SI2
SO2
FPSEL
FPCLK
HRST
SSC-ATN-
IRIRQ-
X1
X0
DRVIRQ-
MPGIRQ-
MPGRST-
MPGSTBY-
DEM
FPDIN
FPDOUT
Optional crystal
of
surface-mounted
5318
12.5MHz
3495
100K
3496
100R
2359
22pF
2358
22pF
3500
4K7
3499 4X4K7
3362
4K7
3363
1K
RESET-
MPGCS-
ATCS1-
ATCS0
MIC_ON
MUTEC
VD
RAMCS-
HRD-
HWR-
RST
NMI
HWRH-
3370
3372
3367
0R
CPU SELECT MODE
3382
1K
3365
4.7K
3374
100R
3373
330R
7301
2N3904
2364
0.22uF
3375
10K
3376
10K
2363
10u/25V
6313
1N4148
3366
4K7
1325
SW PB
3360
4K7
3364
4K7
1313
CON4AP
1313 SHOULD BE GROUNDED
FOR FLASH SERIAL PROGRAMMING
DATA BUS LABLES ARE BYTE SWAP
TO MATCH LITTLE ENDIAN

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
3496	D2
3499	D2
3500	D2
5318	C2
6313	E6
7301	E6
7325	A3
7327	C4

MPEG board DVD730K/691/751/781

Decoder - ZR36712

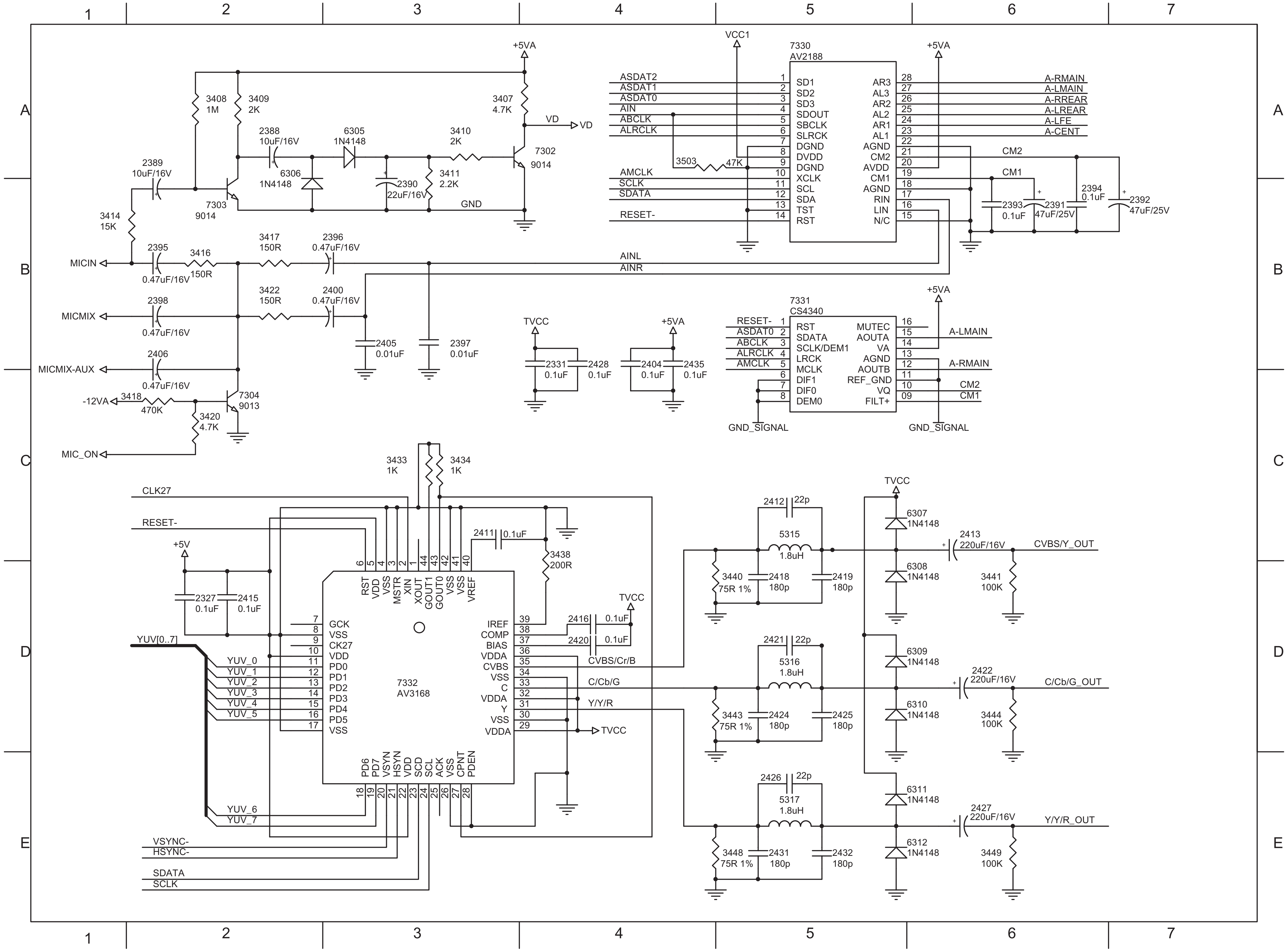


1
2
3
4
5
6
7
A
B
C
D
E
MPGSTBY-
MPGRST-
DVDERR
DVDSOS
DVDVALID
DVDSTB
DVDREQ
DVDDAT[0..7]
35014X22R
35024X22R
HD0
HD1
HD2
HD3
HD4
HD5
HD6
HD7
DVDDAT0
DVDDAT1
DVDDAT2
DVDDAT3
DVDDAT4
DVDDAT5
DVDDAT6
DVDDAT7
VD33
3377
10R
2368
100P
2369
100uF/25V
2370
0.047uF
5319
27.000MHz XTAL
3489
100K
2365
22pF
2366
0.1uF
5314
2.7uH
2367
33pF
3387
100R
AMCLK
3383
33R
CLK27
2467
20pF
3388
100R
ABCLK
3389
180R
ALRCLK
+3.3V
5310
FERRITE BEAD
CDERR
CDFRM
CDDAT
CDCLK
34984X10K
34884X10K
HD[0..7]
HA[1..4]
HA1
HA2
HA3
HA4
HWR-
MPGCS-
HRD-
HRDY
MPGIRQ-
MA3
MA4
7328
ZR36712
TQFP-160
GND
GPSI
HD15
HD14
HD13
HD12
HD11
V3.3
HD10
HD09
HD08
HD07
HD06
HD05
HD04
HD03
HD02
HD01
HD00
HA3
HA2
HA1
HA0
HWR
HCS
HRD
HRDY
HACK
HIRQ
HWID
HORD
HTYPE
A4
A3
GPSO
CODE7
CODE6
CODE5
CODE4
CODE3
CODE2
CODE1
CODE0
CODEREQ
CODESTB
CODEVALID
CODESOS
CODEERR
IDLE
RESET
ICEMODE
V3.3A
PLLCFG1
PLLCA
PLLCFG0
GNDA
AMCLK
STBY
GCLK
XO
SCNENB
GCLK1
VCLKX2
GPAIO1
GPAIO0
ABCLK
ALRCLK
SPDIF
AOUT2
AOUT1
AOUT0
AIN
UV0
UV1
UV2
UV3
UV4
UV5
UV6
UV7
Y0
Y1
Y2
Y3
Y4
Y5
Y6
Y7
FIELD
HSYNC
VSYNC
CBLANK
VDEN
VMASTER
VCLK
TESTMODE
MD0
3491
4X100R
SPDIF-I34
ASDAT2
ASDAT1
ASDAT0
3401
4.7K
UV0/TCK
UV1/TDO
UV2/TDI
UV3/TMS
3400
4X4.7K
YUV[0..7]
3490
4X100R
34024X100R
YUV0
YUV1
YUV2
YUV3
YUV4
YUV5
YUV6
YUV7
YUV_0
YUV_1
YUV_2
YUV_3
YUV_4
YUV_5
YUV_6
YUV_7
HSYNC-
VSYNC-
2376
47uF/16V
2373
0.1uF
2382
0.1uF
2385
0.1uF
2386
0.1uF
2371
0.1uF
SD33
5311
FERRITE BEAD
2375
47uF/16V
2378
2379
2380
2381
0.1uF
7329
KM416S1020BT
VSS
DQ15
DQ14
DQ13
DQ12
VCC
DQ11
DQ10
DQ9
DQ8
NC/VREF
UDQM
CLK
CKE
NC
A9
A8
A7
A6
A5
A4
DQ0
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
LDQM
WE
CAS
RAS
CS
BS
A10
A0
A1
A2
A3
MA0
MA1
MA2
MA3
MA4
MA5
MA6
MA7
MA8
MA9
MA10
MA11
MA[0..11]
MCS0-
MCS0
MCS1
MRAS
PCLK
MCAS
MWE
MDQM
MRAS-
MPCLK
MCAS-
MWE-
MD0
MD1
MD2
MD3
MD4
MD5
MD6
MD7
MD8
MD9
MD10
MD11
MD12
MD13
MD14
MD15
MD[0..15]
MDQM
3332
33R

2365	A4
2366	A4
2367	A4
2368	A3
2369	A3
2370	A3
2371	C7
2373	C6
2375	D7
2376	C6
2378	D7
2379	D7
2380	D7
2381	D7
2382	C7
2385	C7
2386	C7
2467	B4
3332	E3
3377	A3
3383	B5
3387	A5
3388	B5
3389	B5
3400	C5
3401	C5
3402	D5
3488	B1
3489	A4
3490	C5
3491	B5
3498	B1
3501	A1
3502	A1
5310	B1
5311	D7
5314	A4
5319	A4
7328	C3
7329	D6

MPEG board DVD730K/691/751/781

Video ENC & Audio DAC

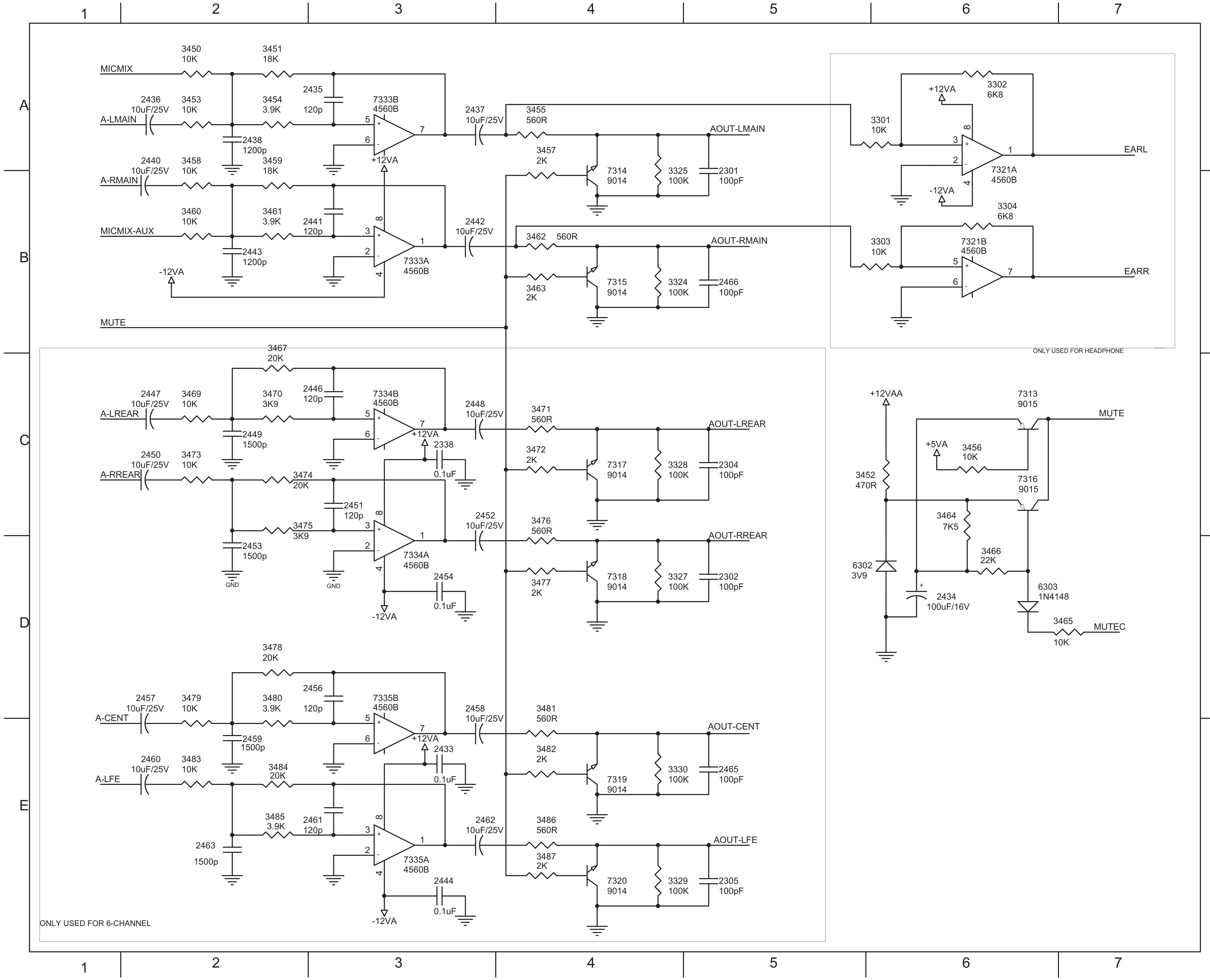


1
2
3
4
5
6
7
A
B
C
D
E
+5VA
VCC1
7330
AV2188
ASDAT2
ASDAT1
ASDAT0
AIN
ABCLK
ALRCLK
AMCLK
SCLK
SDATA
RESET-
SD1
SD2
SD3
SDOUT
SBCLK
SLRCK
DGND
DVDD
DGND
XCLK
SCL
SDA
TST
RST
AR3
AL3
AR2
AL2
AR1
AL1
AGND
CM2
AVDD
CM1
AGND
RIN
LIN
N/C
A-RMAIN
A-LMAIN
A-RREAR
A-LREAR
A-LFE
A-CENT
CM2
CM1
3503
47K
2393
0.1uF
2391
47uF/25V
2394
0.1uF
2392
47uF/25V
3408
1M
3409
2K
3407
4.7K
VD
2388
10uF/16V
6305
1N4148
3410
2K
7302
9014
2389
10uF/16V
6306
1N4148
2390
22uF/16V
3411
2.2K
7303
9014
GND
3414
15K
MICIN
2395
0.47uF/16V
3416
150R
3417
150R
2396
0.47uF/16V
AINL
AINR
MICMIX
2398
0.47uF/16V
3422
150R
2400
0.47uF/16V
2405
0.01uF
2397
0.01uF
MICMIX-AUX
2406
0.47uF/16V
-12VA
3418
470K
7304
9013
3420
4.7K
MIC_ON
TVCC
2331
0.1uF
2428
0.1uF
2404
0.1uF
2435
0.1uF
7331
CS4340
RESET-
ASDAT0
ABCLK
ALRCLK
AMCLK
RST
SDATA
SCLK/DEM1
LRCK
MCLK
DIF1
DIF0
DEM0
MUTEC
AOUTA
VA
AGND
AOUTB
REF_GND
VQ
FILT+
A-LMAIN
A-RMAIN
CM2
CM1
GND_SIGNAL
GND_SIGNAL
3433
1K
3434
1K
CLK27
RESET-
+5V
2327
0.1uF
2415
0.1uF
2411
0.1uF
3438
200R
RST
VDD
VSS
MSTR
XIN
XOUT
GOUT1
GOUT0
VSS
VSS
VREF
GCK
VSS
CK27
VDD
PD0
PD1
PD2
PD3
PD4
PD5
VSS
7332
AV3168
IREF
COMP
BIAS
VDDA
CVBS
VSS
C
VDDA
Y
VSS
VDDA
2416
0.1uF
2420
0.1uF
TVCC
CVBS/Cr/B
C/Cb/G
Y/Y/R
TVCC
YUV[0..7]
YUV_0
YUV_1
YUV_2
YUV_3
YUV_4
YUV_5
YUV_6
YUV_7
PD6
PD7
VSYN
HSYN
VDD
SCD
SCL
ACK
VSS
CPNT
PDEN
VSYNC-
HSYNC-
SDATA
SCLK
2412
22p
5315
1.8uH
3440
75R 1%
2418
180p
2419
180p
6307
1N4148
6308
1N4148
2413
220uF/16V
CVBS/Y_OUT
3441
100K
2421
22p
5316
1.8uH
3443
75R 1%
2424
180p
2425
180p
6309
1N4148
6310
1N4148
2422
220uF/16V
C/Cb/G_OUT
3444
100K
2426
22p
5317
1.8uH
3448
75R 1%
2431
180p
2432
180p
6311
1N4148
6312
1N4148
2427
220uF/16V
Y/Y/R_OUT
3449
100K

2327	D2
2331	B4
2388	A2
2389	A2
2390	B3
2391	B6
2392	B7
2393	B6
2394	B6
2395	B2
2396	B3
2397	B3
2398	B2
2400	B3
2404	B4
2405	B3
2406	B2
2411	C3
2412	C5
2413	C6
2415	D2
2416	D4
2418	D5
2419	D5
2420	D4
2421	D5
2422	D6
2424	D5
2425	D5
2426	E5
2427	E6
2428	B4
2431	E5
2432	E5
2435	B4
3407	A4
3408	A2
3409	A2
3410	A3
3411	A3
3414	B2
3416	B2
3417	B2
3418	C2
3420	C2
3422	B2
3433	C3
3434	C3
3438	C4
3440	D5
3441	D6
3443	D5
3444	D6
3448	E5
3449	E6
3503	A4
5315	C5
5316	D5
5317	E5
6305	A3
6306	B2
6307	C5
6308	D5
6309	D5
6310	D5
6311	E5
6312	E5
7302	A4
7303	B2
7304	C2
7330	A5
7331	B5
7332	D3

MPEG board DVD730K/691/751/781

Audio - 6 & 2 Channels


1
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3
4
5
6
7
A
B
C
D
E
MICMIX
A-LMAIN
A-RMAIN
MICMIX-AUX
MUTE
3450 10K
3451 18K
2436 10uF/25V
3453 10K
3454 3.9K
2435 120p
7333B 4560B
2438 1200p
2440 10uF/25V
3458 10K
3459 18K
+12VA
3460 10K
3461 3.9K
2441 120p
2443 1200p
-12VA
7333A 4560B
2437 10uF/25V
3455 560R
AOUT-LMAIN
3457 2K
7314 9014
3325 100K
2301 100pF
2442 10uF/25V
3462 560R
AOUT-RMAIN
3463 2K
7315 9014
3324 100K
2466 100pF
3301 10K
3302 6K8
7321A 4560B
EARL
3303 10K
3304 6K8
7321B 4560B
EARR
ONLY USED FOR HEADPHONE
A-LREAR
A-RREAR
2447 10uF/25V
3469 10K
3467 20K
3470 3K9
2446 120p
7334B 4560B
2449 1500p
2338
0.1uF
2450 10uF/25V
3473 10K
3474 20K
2451 120p
3475 3K9
2453 1500p
GND
7334A 4560B
2454
0.1uF
2448 10uF/25V
3471 560R
AOUT-LREAR
3472 2K
7317 9014
3328 100K
2304 100pF
2452 10uF/25V
3476 560R
AOUT-RREAR
3477 2K
7318 9014
3327 100K
2302 100pF
A-CENT
A-LFE
2457 10uF/25V
3479 10K
3478 20K
3480 3.9K
2456 120p
7335B 4560B
2459 1500p
2433
2460 10uF/25V
3483 10K
3484 20K
3485 3.9K
2461 120p
2463 1500p
7335A 4560B
2444
2458 10uF/25V
3481 560R
AOUT-CENT
3482 2K
7319 9014
3330 100K
2465 100pF
2462 10uF/25V
3486 560R
AOUT-LFE
3487 2K
7320 9014
3329 100K
2305 100pF
ONLY USED FOR 6-CHANNEL
+12VAA
3452 470R
6302 3V9
7313 9015
MUTE
+5VA
3456 10K
7316 9015
3464 7K5
3466 22K
2434 100uF/16V
6303 1N4148
3465 10K
MUTEC

2301	B5
2302	D5
2304	C5
2305	E5
2338	C3
2433	E3
2434	D6
2435	A3
2436	A1
2437	A3
2438	A2
2440	B2
2441	B3
2442	B3
2443	B2
2444	E3
2446	C3
2447	C2
2448	C3
2449	C2
2450	C2
2451	C3
2452	D3
2453	D2
2454	D3
2456	D3
2457	E2
2458	E3
2459	E2
2460	E2
2461	E3
2462	E3
2463	E2
2465	E5
2466	B5
3301	A6
3302	A6
3303	B6
3304	B6
3324	B4
3325	B4
3327	D4
3328	C4
3329	E4
3330	E4
3450	A2
3451	A2
3452	C6
3453	A2
3454	A2
3455	A4
3456	C6
3457	B4
3458	B2
3459	B2
3460	B2
3461	B2
3462	B4
3463	B4
3464	C6
3465	D7
3466	D6
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3469	C2
3470	C2
3471	C4
3472	C4
3473	C2
3474	C2
3475	C2
3476	D4
3477	D4
3478	D2
3479	E2
3480	E2
3481	E4
3482	E4
3483	E2
3484	E2
3485	E2
3486	E4
3487	E4
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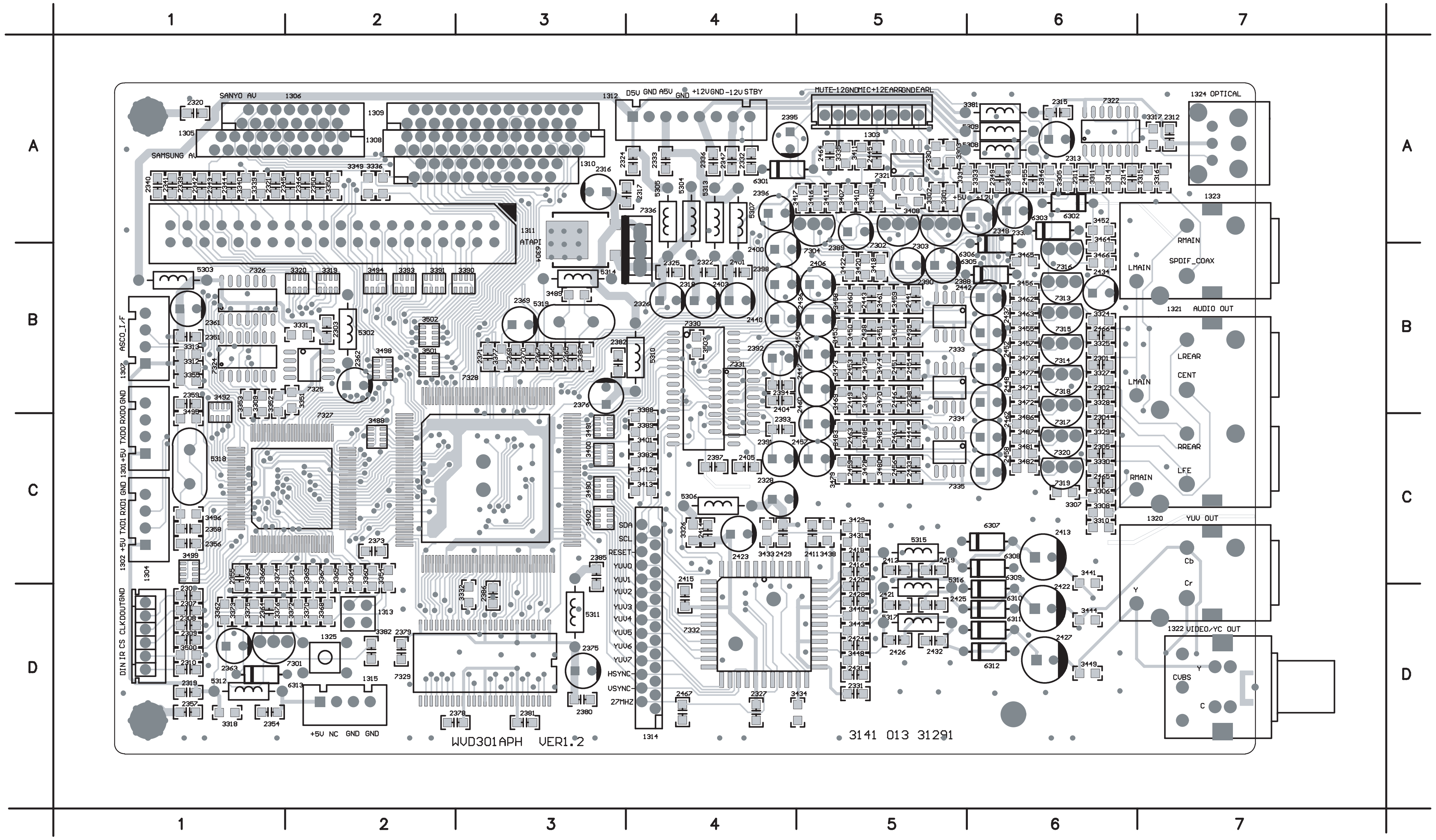
6303	D6
7313	C6
7314	B4
7315	B4
7316	C6
7317	C4
7318	D4
7319	E4
7320	E4
7321A	A6
7321B	B6
7333A	B3
7333B	A3
7334A	D4
7334B	C3
7335A	E3
7335B	E3

Layout MPEG board (component side) DVD730K/691/751/781

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	3407	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	3408	A5	3434	D5	3457	B6	3473	B5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4
5
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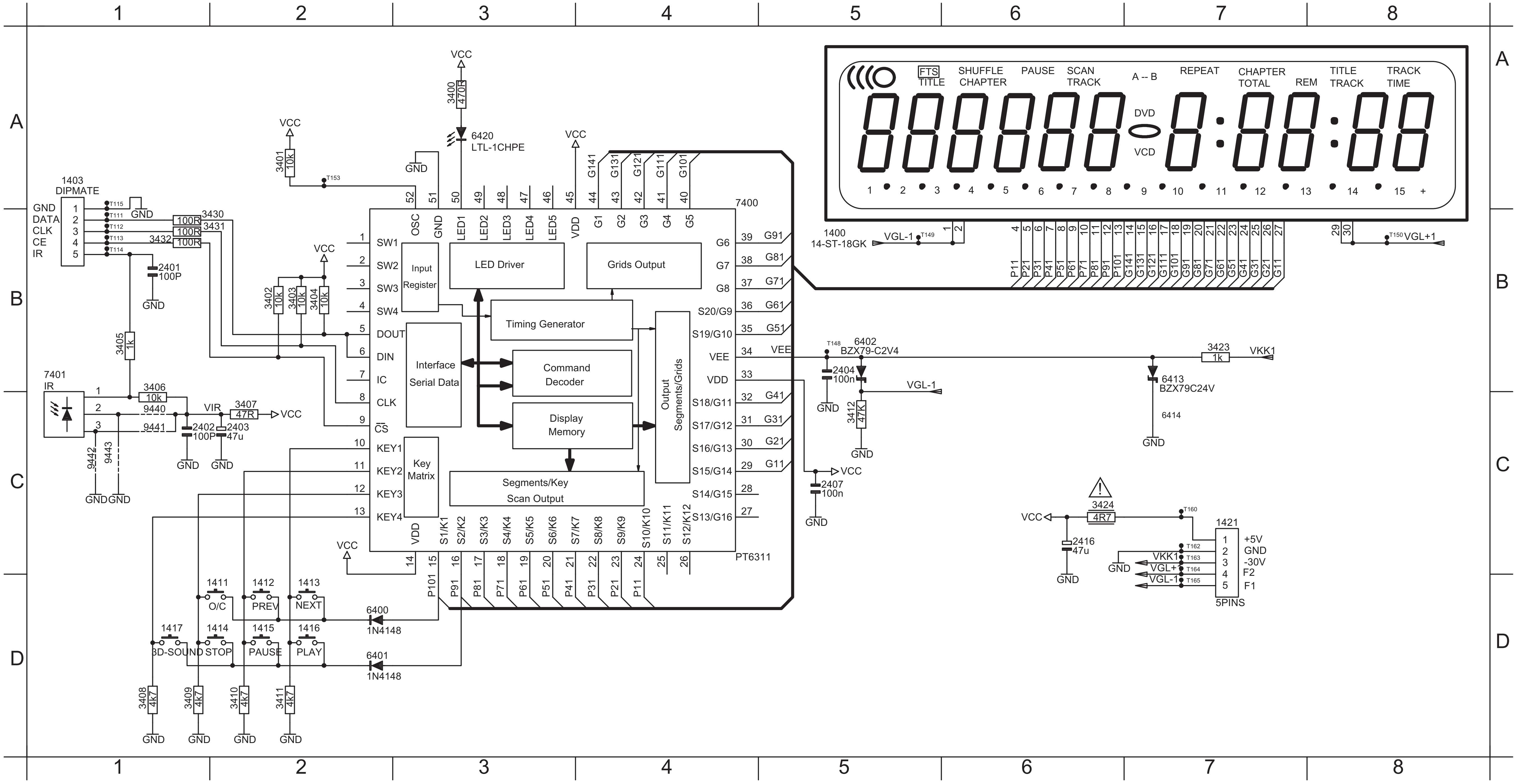
7
A
B
C
D
SANYO AV
SAMSUNG AV
ATAPI
D5V GND A5V GND +12V GND -12V STBY
MUTE-12 GND MIC+12 EAR GND EARL
1324 OPTICAL
1323
RMAIN
SPDIF_COAX
LMAIN
1321 AUDIO OUT
LREAR
CENT
RREAR
LFE
1320 YUV OUT
Cb
Cr
Y
1322 VIDEO/YC OUT
CVBS
C
ASCO_I/F
DIN IR CS CLK DOUT GND
+5V TXD1 RXD1 GND
+5V TXD0 RXD0 GND
+5V NC GND GND
SDA
SCL
RESET
YUV0
YUV1
YUV2
YUV3
YUV4
YUV5
YUV6
YUV7
HSYNC
VSYNC
27MHZ
WVD301APH VER1.2
3141 013 31291

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 DVD730K/691/751/781

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		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8
A
B
C
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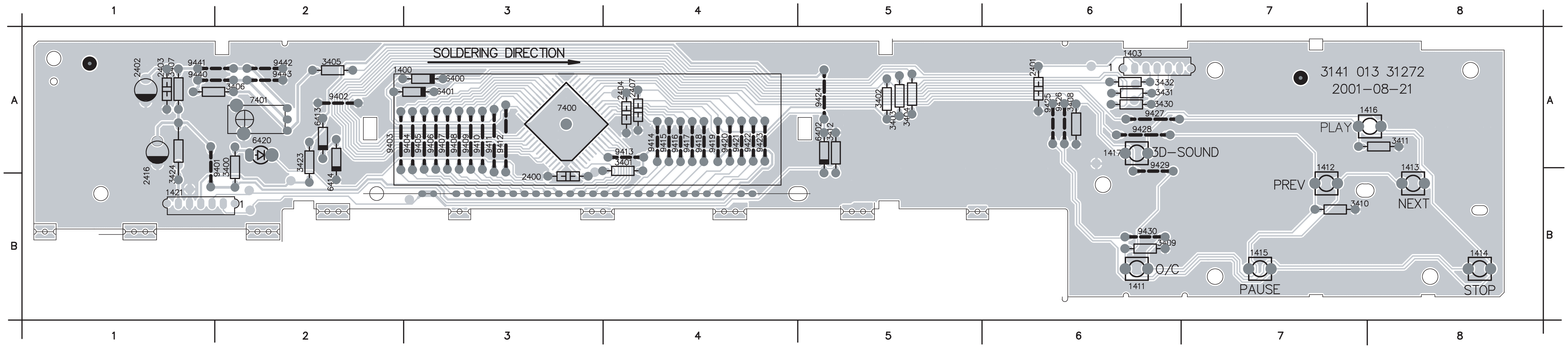
VCC
3400
470R
6420
LTL-1CHPE
3401
10K
GND
1403
DIPMATE
GND
DATA
CLK
CE
IR
3430
3431
3432
100R
2401
100P
3402
3403
3404
10k
3405
1k
7401
IR
3406
10k
9440
9441
VIR
3407
47R
2402
100P
2403
47u
9442
9443
OSC
LED1
LED2
LED3
LED4
LED5
VDD
G1
G2
G3
G4
G5
SW1
SW2
SW3
SW4
DOUT
DIN
IC
CLK
CS
KEY1
KEY2
KEY3
KEY4
Input Register
LED Driver
Grids Output
Timing Generator
Interface Serial Data
Command Decoder
Display Memory
Key Matrix
Segments/Key Scan Output
Output Segments/Grids
7400
PT6311
G6
G7
G8
S20/G9
S19/G10
VEE
VDD
S18/G11
S17/G12
S16/G13
S15/G14
S14/G15
S13/G16
S1/K1
S2/K2
S3/K3
S4/K4
S5/K5
S6/K6
S7/K7
S8/K8
S9/K9
S10/K10
S11/K11
S12/K12
G91
G81
G71
G61
G51
G41
G31
G21
G11
P101
P91
P81
P71
P61
P51
P41
P31
P21
P11
1411
O/C
1412
PREV
1413
NEXT
1417
3D-SOUND
1414
STOP
1415
PAUSE
1416
PLAY
6400
1N4148
6401
1N4148
3408
3409
3410
3411
4k7
FTS
TITLE
SHUFFLE
CHAPTER
PAUSE
SCAN
TRACK
A -- B
REPEAT
CHAPTER
TOTAL
REM
TITLE
TRACK
TRACK
TIME
DVD
VCD
1400
14-ST-18GK
VGL-1
VGL+1
6402
BZX79-C2V4
2404
100n
3412
47K
2407
100n
3423
1k
VKK1
6413
BZX79C24V
6414
3424
4R7
2416
47u
1421
+5V
GND
-30V
F2
F1
VKK1
VGL+
VGL-1
5PINS

Layout Front board DVD730K/691/751/781 (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		


1
2
3
4
5
6
7
8
A
B
SOLDERING DIRECTION
3141 013 31272
2001-08-21
PLAY
3D-SOUND
PREV
NEXT
O/C
PAUSE
STOP
1400
1403
1411
1412
1413
1414
1415
1416
1417
1421
2400
2401
2402
2403
2404
2407
2416
3400
3401
3402
3403
3404
3405
3406
3407
3408
3409
3410
3411
3412
3423
3424
3430
3431
3432
6402
6413
6414
6420
7400
7401
9401
9402
9403
9404
9405
9406
9407
9408
9409
9410
9411
9412
9413
9414
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9421
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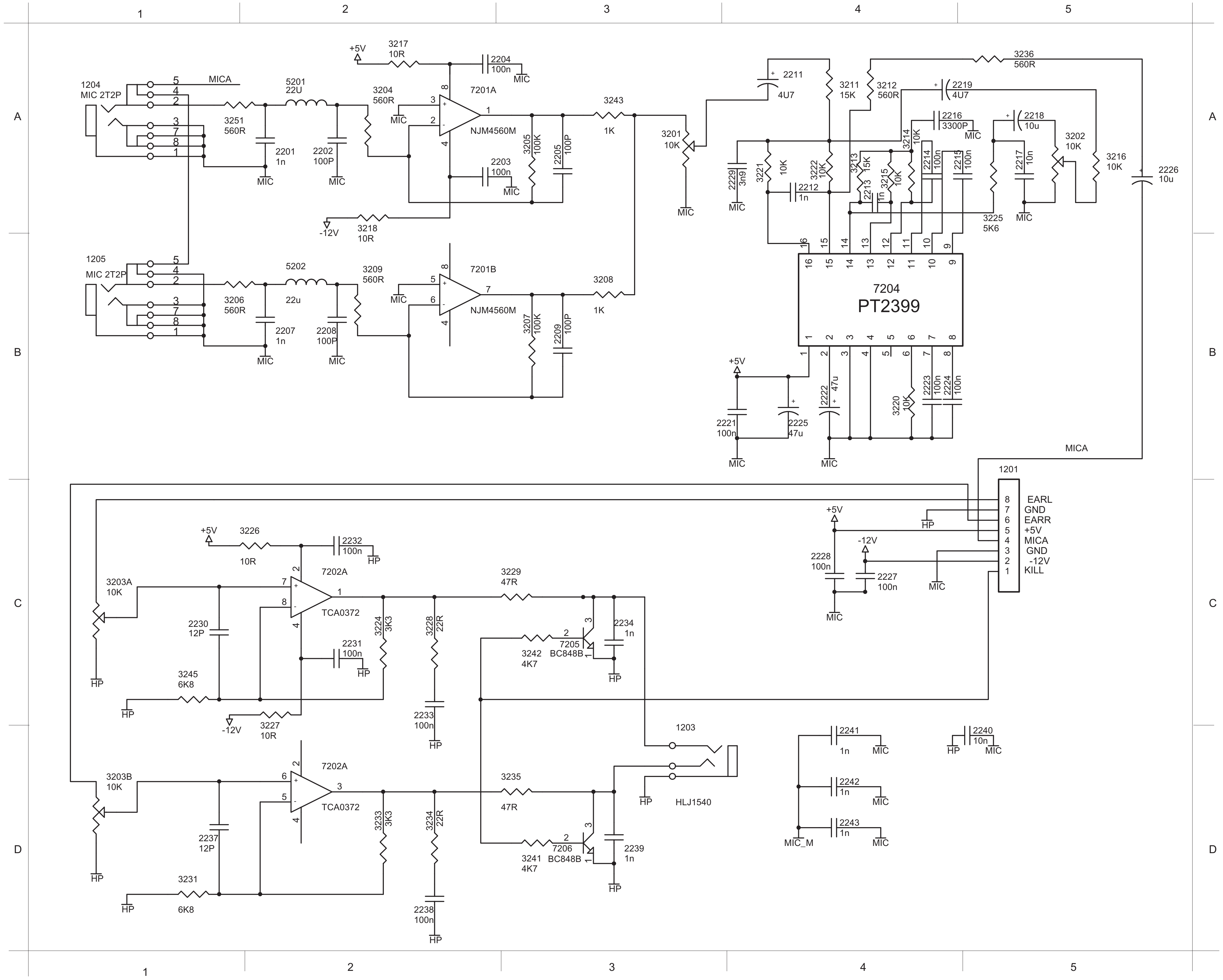
9441
9442
9443

MIC board DVD730K/691/751/781


1
2
3
4
5
A
B
C
D
1204
MIC 2T2P
5
4
2
3
7
8
1
MICA
3251
560R
5201
22U
2201
1n
2202
100P
MIC
+5V
3217
10R
2204
100n
3204
560R
7201A
NJM4560M
2203
100n
3205
100K
2205
100P
3243
1K
-12V
3218
10R
1205
MIC 2T2P
3206
560R
5202
22u
2207
1n
2208
100P
3209
560R
7201B
NJM4560M
3207
100K
2209
100P
3208
1K
3201
10K
2211
4U7
3211
15K
3212
560R
3236
560R
2219
4U7
2216
3300P
2218
10u
3202
10K
3216
10K
2226
10u
2229
3n9
3221
10K
2212
1n
3222
10K
3213
15K
2213
1n
3215
10K
3214
10K
2214
100n
2215
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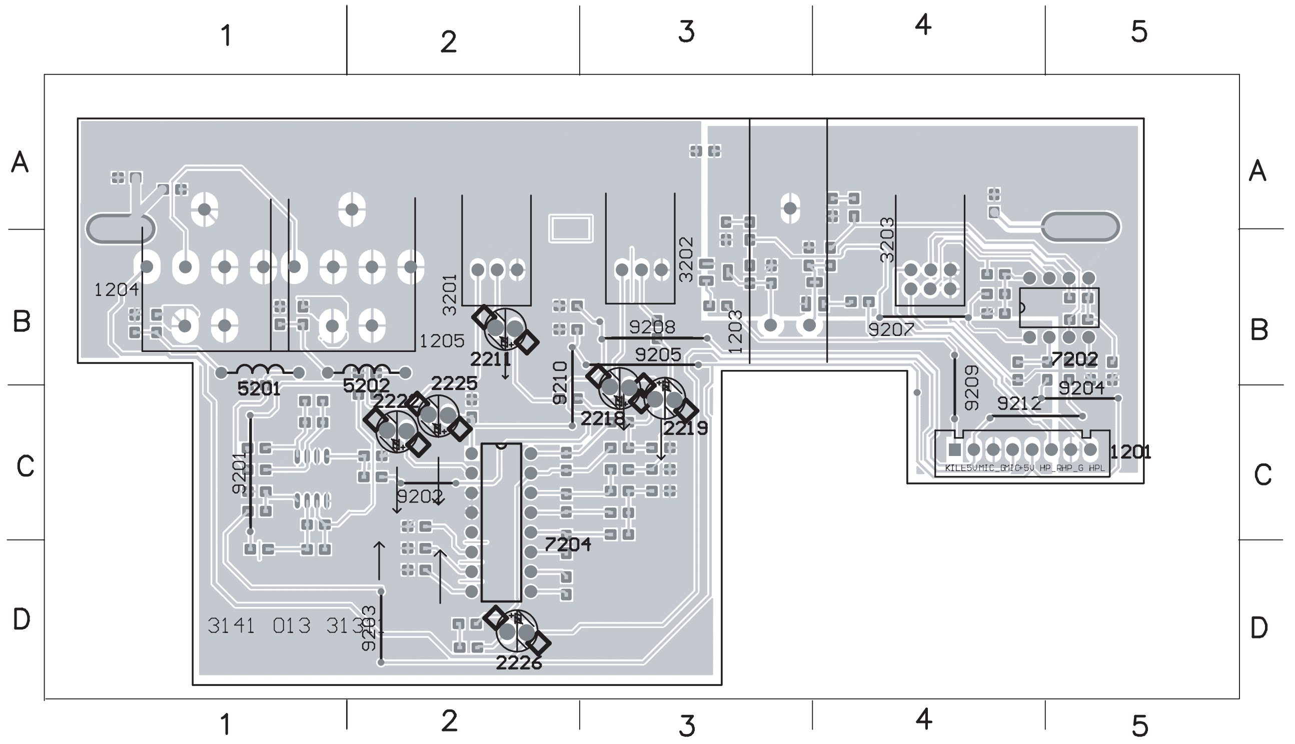
10n
3225
5K6
7204
PT2399
+5V
2221
100n
2225
47u
2222
47u
3220
10K
2223
100n
2224
100n
MICA
1201
8 EARL
7 GND
6 EARR
5 +5V
4 MICA
3 GND
2 -12V
1 KILL
HP
+5V
-12V
2228
100n
2227
100n
3226
10R
2232
100n
7202A
TCA0372
3203A
10K
2230
12P
2231
100n
3224
3K3
3228
22R
3229
47R
3242
4K7
7205
BC848B
2234
1n
3245
6K8
3227
10R
2233
100n
1203
HLJ1540
2241
1n
2240
10n
2242
1n
2243
1n
MIC_M
3203B
10K
7202A
TCA0372
2237
12P
3233
3K3
3234
22R
3235
47R
3241
4K7
7206
BC848B
2239
1n
3231
6K8
2238
100n

1201	C5
1203	D3
1204	A1
1205	B1
2201	A2
2202	A2
2203	A2
2204	A2
2205	A3
2207	B2
2208	B2
2209	B3
2211	A4
2212	A4
2213	A4
2214	A4
2215	A5
2216	A4
2217	A5
2218	A5
2219	A4
2221	B4
2222	B4
2223	B4
2224	B4
2225	B4
2226	A5
2227	C4
2228	C4
2229	A4
2230	C1
2231	C2
2232	C2
2233	C2
2234	C3
2237	D1
2238	D2
2239	D3
2240	D5
2241	D4
2242	D4
2243	D4
3201	A3
3202	A5
3203	D1
3204	A2
3205	A3
3206	B1
3207	B3
3208	B3
3209	B2
3211	A4
3212	A4
3213	A4
3214	A4
3215	A4
3216	A5
3217	A2
3218	A2
3220	B4
3221	A4
3222	A4
3224	C2
3225	A5
3226	C2
3227	C2
3228	C2
3229	C3
3231	D1
3233	D2
3234	D2
3235	D3
3236	A5
3241	D3
3242	C3
3243	A3
3245	C1
3251	A1
5201	A2
5202	B2
7201	B2
7202	D2
7204	B4
7205	C3
7206	D3

Layout MIC board DVD730K/691/751/781 (component side)


1
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1204
1205
5201
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3201
3202
9208
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3203
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7202
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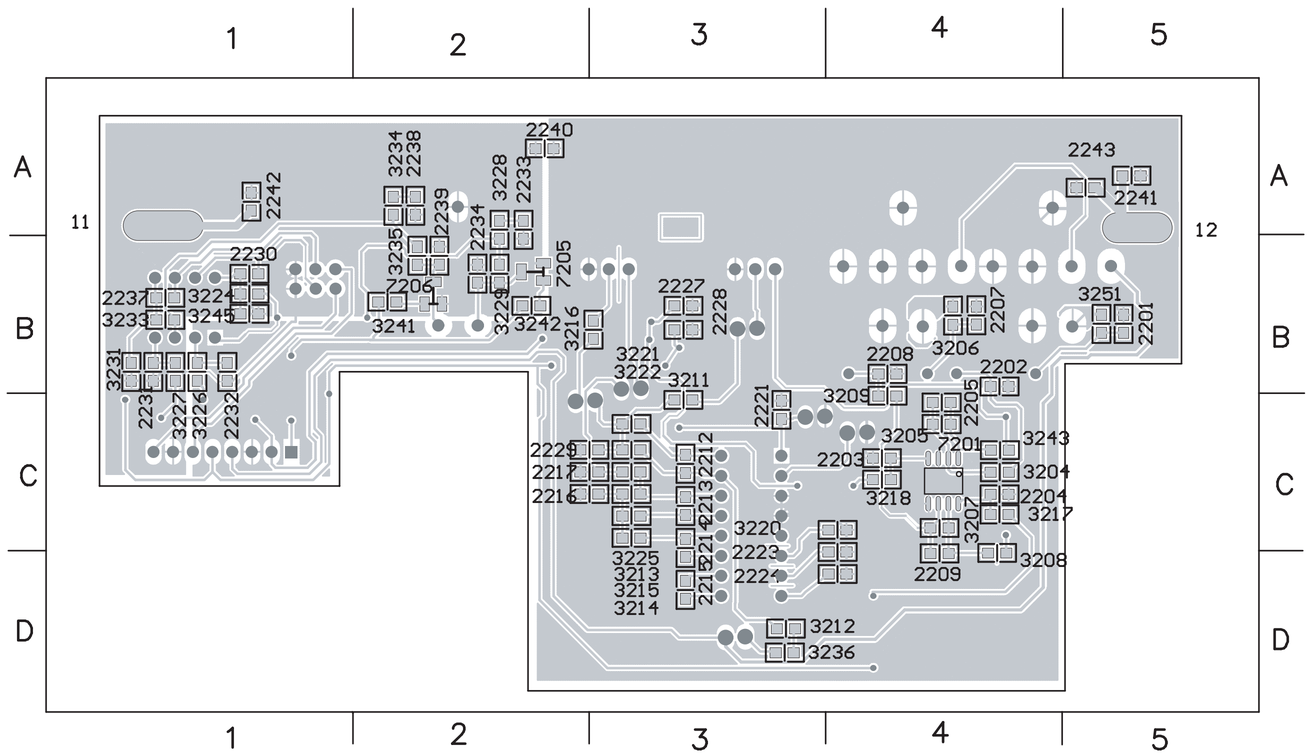
1201
9201
9202
7204
2226
9203
3141 013 3103

1201	C5	5201	B1
1203	B3	5202	B2
1204	B1	7202	B5
1205	B2	7204	C2
2211	B2	9201	C1
2218	C3	9202	C2
2219	C3	9203	D2
2222	C2	9204	C5
2225	C2	9205	B3
2226	D2	9207	B4
3201	B2	9208	B3
3202	B3	9209	C4
3203	B4	9210	B2
		9212	C4

Layout MIC board DVD730K/691/751/781 (copper side)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2242
3234
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7205
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3233
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3216
2227
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2243
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3251
2201
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7201
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3212
3236

2201	B5
2202	B4
2203	C4
2204	C4
2205	C4
2207	B4
2208	B4
2209	C4
2211	B3
2212	C3
2213	C3
2214	C3
2215	D3
2216	C3
2217	C3
2218	B3
2219	C1
2221	C3
2222	C4
2223	C4
2224	D4
2225	C3
2226	A3
2227	B3
2228	B3
2229	C3

2230	B1
2231	B1
2232	B1
2233	A1
2234	B1
2237	B1
2238	A1
2239	B1
2240	A1
2241	A5
2242	A1
2243	A5
3204	C4
3205	C4
3206	B4
3207	C4
3208	C4
3209	B4
3211	C3
3212	D3
3213	C3
3214	C3
3215	C3
3216	B3
3217	C4

3218	C4
3220	C4
3221	C3
3222	C3
3224	B1
3225	C3
3226	B1
3227	B1
3228	A1
3229	B1
3231	B1
3233	B1
3234	A1
3235	B1
3236	A3
3241	B1
3242	B1
3243	C4
3245	B1
3251	B5
5201	B4
5202	B4
7201	C4
7202	B1
7204	C3
7205	B1
7206	B1

8. Spare parts list DVD730K/691

Mechanical

	200	3141 017 75470	CAB FRONT DVD730K PNT PRT
	204	3141 017 73990	WINDOW DVD728K PNT PRT
	205	3141 017 75060	BUTTON POWER DVD729K PNT
	208	3141 017 75070	VOLUME KNOB DVD729K PNT
	219	3141 017 75410	DOOR DVD729K PNT PRT
	240	3141 017 75110	BUTTON CONTROL DVD729K PNT PRT
	242	3141 017 75120	RING DVD729K PNT PRT
	244	3139 244 00410	FOOT DVD711
	245	3139 247 50750	FOOT ASSY DVD711
	249	3139 243 10010	CUSHION
	384	3141 017 90120	REMOTE CONTROL
	1001	3141 018 02490	PBAS PSU DVD729K/031
	1002	3141 018 02430	PBAS MPEG DVD730K/691
	1003	3141 018 02280	PBAS DVD729K MIC
	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 28S LOADER- MPEG
	8003	3141 010 20910	CWAS 08XH/08XH 500 26S PSU-MPEG
	8004	3141 010 20880	CWAS 08EH/08PH 460 26S MIC-MPEG
	8006	3141 010 20850	CWAS 04XH/04LC 260 22S PSU-LOADER
⚠	8008	3141 010 21000	SWI ASSY 1X2 M7.92 260 18S

POWER SUPPLY BOARD 3141 018 02490

MISCELLANEOUS

⚠	1001	4822 265 31015	CONNECTOR
⚠	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 10ON PM10 B
⚠	2002	3141 018 80520	CAP MPP 275V S 22ON 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 DVD730K/691

MPEG BOARD 3141 018 02430

MISCELLANEOUS

1303	4822 265 11352	CONN. 8P
1304	4822 267 40624	5-FOLD X
1307	2422 025 09904	CON BM V 4P M 2.50 XH B
1311	2422 025 16501	CON BM V 40P M 2.54 103308B
1312	4822 267 10574	CON BM V 8P 2.50
1313	3141 010 30070	MICRO-SHUNT V 2P M 2.54
1320	3141 010 30300	CON BM CINCH V 3P F GNBURD
1322	3141 010 30250	CON S-VEDIO AND CVBS
1323	3141 010 30310	CON BM CINCH V 3P F WHRDBK B
1324	3141 010 30080	RCA-108
1325	4822 276 13114	SWITCH, PUSH BUTTON

CAPACITORS

2301	5322 122 32531	100PF 5%NP0 50V
2303	4822 126 14585	100NF 10% X7R 0805 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
2312	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
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 81136	100U 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
2388	4822 124 11947	10UF 20% 16V
2389	4822 124 11947	10UF 20% 16V
2390	4822 124 11946	22UF 20% 16V
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
2395	4822 124 81108	0,47UF20% 50V
2398	4822 124 81108	0,47UF20% 50V
2401	4822 126 14585	100NF 10% X7R 0805 50V
2403	4822 124 81286	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	2222 586 15713	CER2 0805 X7R 50V 180P PM20 R
2419	2222 586 15713	CER2 0805 X7R 50V 180P PM20 R
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	2222 586 15713	CER2 0805 X7R 50V 180P PM20 R
2425	2222 586 15713	CER2 0805 X7R 50V 180P PM20 R
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	2222 586 15713	CER2 0805 X7R 50V 180P PM20 R
2432	2222 586 15713	CER2 0805 X7R 50V 180P PM20 R
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 122 32614	CER2 0805 X7R 63V 1N2 PM10 R
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 122 32614	CER2 0805 X7R 63V 1N2 PM10 R
2445	4822 126 14585	100NF 10% X7R 0805 50V
2455	4822 126 14585	100NF 10% X7R 0805 50V
2464	4822 126 14585	100NF 10% X7R 0805 50V
2466	5322 122 32531	100PF 5%NP0 50V
2467	5322 122 32658	22PF 5% 50V

Spare parts list DVD730K/691

RESISTORS

3301	4822 117 10833	10K 1% 0,1W
3302	4822 117 11507	6K8 1% 0,1W
3303	4822 117 10833	10K 1% 0,1W
3304	4822 117 11507	6K8 1% 0,1W
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
3317	4822 117 12521	68R 1% 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
3331	4822 117 10833	10K 1% 0,1W
3332	4822 051 20339	33R00 5% 0,1W
3334	4822 051 20008	0R00 JUMP. (0805)
3335	4822 051 20008	0R00 JUMP. (0805)
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
3407	4822 051 20472	4K70 5% 0,1W
3408	4822 051 20105	1M00 5% 0,1W
3409	4822 051 20202	2K00 5% 0,1W
3410	4822 051 20202	2K00 5% 0,1W
3411	4822 117 11449	2K2 5% 0,1W 0805
3412	4822 117 11503	220R 1% 0.1W
3413	4822 117 11503	220R 1% 0.1W
3414	4822 116 83933	15K 1% 0,1W
3416	4822 117 10353	150R 1% 0,1W
3418	4822 051 20474	470K00 5% 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 10833	10K 1% 0,1W
3451	4822 117 10965	18K 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 10965	18K 1% 0,1W
3460	4822 117 10833	10K 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
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
3503	4822 117 10834	47K 1% 0,1W

COILS & CRYSTAL 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	4822 242 10906	27.000 000 MHZ

DIODES

6302	4822 130 31981	BZX79-B3V9
6303	4822 130 30621	1N4148
6305	4822 130 30621	1N4148
6306	4822 130 30621	1N4148

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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
7302	3141 018 50970	TRA SIG C9014 T
7303	3141 018 50970	TRA SIG C9014 T
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
7321	8241 010 45120	IC SMD NJM4560
7322	5322 209 11517	PC74HCU04T
7325	3141 018 51060	IC SM AT24C01A
7327	3141 017 40220	IC SM ZR36703 PROG DVD730K/691
7328	3141 018 51140	IC SM ZR36712
7329	3141 018 51010	IC SM KM416S1020 BT
7331	3141 018 51050	IC SM CS4340
7332	3141 018 51030	IC SM AV3168
7333	8241 010 45120	IC SMD NJM4560
7336	3141 018 50260	BA033T

FRONT BOARD 3141 018 02510

MISCELLANOUS

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

MIC BOARD 3141 018 02280

MISCELLANEOUS

1201	4822 267 10573	CON BM H 8P 2.50
1203	4822 267 31453	CONNECTOR, CABLE/WIRE
1204	2422 026 04309	SOC PHONE H 1P F 6.3 ST B
1205	2422 026 04309	SOC PHONE H 1P F 6.3 ST B

CAPACITORS

2201	2222 580 15623	1NF 10% X7R 50V 0805
2202	5322 122 32531	100PF 5%NP0 50V
2203	4822 126 14585	100NF 10% X7R 0805 50V
2204	4822 126 14585	100NF 10% X7R 0805 50V
2205	5322 122 32531	100PF 5%NP0 50V
2207	2222 580 15623	1NF 10% X7R 50V 0805
2208	5322 122 32531	100PF 5%NP0 50V
2209	5322 122 32531	100PF 5%NP0 50V
2211	4822 124 23057	4,7UF 20% 50V
2212	4822 126 14124	220PF 2%
2213	2222 580 15623	1NF 10% X7R 50V 0805
2214	4822 126 14585	100NF 10% X7R 0805 50V
2215	4822 126 14585	100NF 10% X7R 0805 50V
2216	4822 122 33891	3,3NF10%X7R 63V
2217	5322 122 34098	10NF10%X7R 63V
2218	4822 124 40248	10UF20% 63V
2219	4822 124 23057	4,7UF 20% 50V
2221	4822 126 14585	100NF 10% X7R 0805 50V
2222	4822 124 40433	47UF20% 25V
2223	4822 126 14585	100NF 10% X7R 0805 50V
2224	4822 126 14585	100NF 10% X7R 0805 50V
2225	4822 124 40433	47UF20% 25V
2226	4822 124 40248	10UF20% 63V
2227	4822 126 14585	100NF 10% X7R 0805 50V
2228	4822 126 14585	100NF 10% X7R 0805 50V

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2229	5322 126 10465	3,9NF 10% X7R 50V 0805 CER2
2230	4822 122 33926	12PF 50V
2231	4822 126 14585	100NF 10% X7R 0805 50V
2232	4822 126 14585	100NF 10% X7R 0805 50V
2233	4822 126 14585	100NF 10% X7R 0805 50V
2234	2222 580 15623	1NF 10% X7R 50V 0805
2237	4822 122 33926	12PF 50V
2238	4822 126 14585	100NF 10% X7R 0805 50V
2239	2222 580 15623	1NF 10% X7R 50V 0805
2240	5322 122 34098	10NF10%X7R 63V
2241	2222 580 15623	1NF 10% X7R 50V 0805
2242	2222 580 15623	1NF 10% X7R 50V 0805
2243	2222 580 15623	1NF 10% X7R 50V 0805

RESISTORS

3201	4822 051 20472	4K70 5% 0,1W
3202	4822 051 20472	4K70 5% 0,1W
3203	4822 051 20102	1K00 5% 0,1W
3204	4822 051 20561	560R00 5% 0,1W
3205	4822 117 10837	100K 1% 0.1W
3206	4822 051 20561	560R00 5% 0,1W
3207	4822 117 10837	100K 1% 0.1W
3208	4822 051 20102	1K00 5% 0,1W
3209	4822 051 20561	560R00 5% 0,1W
3211	4822 117 12955	2K7 1% 0,1W 0805
3212	4822 051 20561	560R00 5% 0,1W
3213	4822 116 83933	15K 1% 0,1W
3214	4822 117 10833	10K 1% 0,1W
3215	4822 051 20562	5K6 5% 0,1W 0805
3216	4822 117 10833	10K 1% 0,1W
3217	4822 051 20109	10R00 5% 0,1W
3218	4822 051 20109	10R00 5% 0,1W
3220	4822 117 10833	10K 1% 0,1W
3221	4822 051 20683	68K00 5% 0,1W
3222	4822 117 10833	10K 1% 0,1W
3223	4822 117 10833	10K 1% 0,1W
3224	4822 051 20332	3K30 5% 0,1W
3226	4822 051 20109	10R00 5% 0,1W
3227	4822 051 20109	10R00 5% 0,1W
3228	4822 051 20229	22R00 5% 0,1W
3229	4822 051 20479	47R00 5% 0,1W
3231	4822 117 11507	6K8 1% 0,1W
3233	4822 051 20332	3K30 5% 0,1W
3234	4822 051 20229	22R00 5% 0,1W
3235	4822 051 20479	47R00 5% 0,1W
3236	4822 051 20561	560R00 5% 0,1W
3245	4822 117 11507	6K8 1% 0,1W
3251	4822 051 20561	560R00 5% 0,1W
3261	3141 010 60170	POTM CAR LOG 10K H AR09711B B
3262	3141 010 60170	POTM CAR LOG 10K H AR09711B B
3263	3141 010 60180	POTM CAR LOG 10K H AR09712B B

COILS & CRYSTAL QUARTZ

5201	4822 157 11235	22UH LANO2TB220J PM5 A
5202	4822 157 11235	22UH LANO2TB220J PM5 A

TRANSISTORS & INTEGRATED CIRCUITS

4201	5322 130 60159	BC846B
4202	5322 130 60159	BC846B
7201	8241 010 45120	IC SMD NJM4560
7202	4822 209 62059	TCA0372DP1
7204	4822 209 17186	PT2399

9. Spare parts list DVD730K/751

Mechanical

200	3141 017 75470	CAB FRONT DVD730K PNT PRT
204	3141 017 73990	WINDOW DVD728K PNT PRT
205	3141 017 75060	BUTTON POWER DVD729K PNT
208	3141 017 75070	VOLUME KNOB DVD729K PNT
219	3141 017 75410	DOOR DVD729K PNT PRT
240	3141 017 75110	BUTTON CONTROL DVD729K PNT PRT
242	3141 017 75120	RING DVD729K PNT PRT
244	3139 244 00410	FOOT DVD711
245	3139 247 50750	FOOT ASSY DVD711
249	3139 243 10010	CUSHION
384	3141 017 90120	REMOTE CONTROL
1001	3141 018 02490	PBAS PSU DVD729K/031
1002	3141 018 02440	PBAS MPEG DVD730K/751
1003	3141 018 02280	PBAS DVD729K MIC
1004	3141 018 02510	PBAS FRONT DVD0707/781
1005	3141 018 02190	DVD729K LOADER MODULE
⚠ 5001	4822 321 10954	CORD, MAINS
8002	3141 010 20900	CWAS 40RK/40RK 230 28S LOADER- MPEG
8003	3141 010 20910	CWAS 08XH/08XH 500 26S PSU-MPEG
8004	3141 010 20880	CWAS 08EH/08PH 460 26S MIC-MPEG
8006	3141 010 20850	CWAS 04XH/04LC 260 22S PSU-LOADER
⚠ 8008	3141 010 21000	SWI ASSY 1X2 M7.92 260 18S

Power supply board 3141 018 02490

MISCELLANEOUS

⚠ 1001	4822 265 31015	CONNECTOR
⚠ 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 10ON PM10 B
⚠ 2002	3141 018 80520	CAP MPP 275V S 22ON 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 DVD730K/751

MPEG BOARD 3141 018 02440

MISCELLANEOUS

1303	4822 265 11352	CONN. 8P
1304	4822 267 40624	5-FOLD X
1307	2422 025 09904	CON BM V 4P M 2.50 XH B
1311	2422 025 16501	CON BM V 40P M 2.54 103308B
1312	4822 267 10574	CON BM V 8P 2.50
1313	3141 010 30070	MICRO-SHUNT V 2P M 2.54
1320	3141 010 30300	CON BM CINCH V 3P F GNBURD
1322	3141 010 30250	CON S-VEDIO AND CVBS
1323	3141 010 30310	CON BM CINCH V 3P F WHRDBK B
1324	3141 010 30080	RCA-108
1325	4822 276 13114	SWITCH, PUSH BUTTON

CAPACITORS

2301	5322 122 32531	100PF 5%NP0 50V
2303	4822 126 14585	100NF 10% X7R 0805 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
2312	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
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 81136	100U 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
2388	4822 124 11947	10UF 20% 16V
2389	4822 124 11947	10UF 20% 16V
2390	4822 124 11946	22UF 20% 16V
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
2395	4822 124 81108	0,47UF20% 50V
2398	4822 124 81108	0,47UF20% 50V
2401	4822 126 14585	100NF 10% X7R 0805 50V
2403	4822 124 81286	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	2222 586 15713	CER2 0805 X7R 50V 180P PM20 R
2419	2222 586 15713	CER2 0805 X7R 50V 180P PM20 R
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	2222 586 15713	CER2 0805 X7R 50V 180P PM20 R
2425	2222 586 15713	CER2 0805 X7R 50V 180P PM20 R
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	2222 586 15713	CER2 0805 X7R 50V 180P PM20 R
2432	2222 586 15713	CER2 0805 X7R 50V 180P PM20 R
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 122 32614	CER2 0805 X7R 63V 1N2 PM10 R
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 122 32614	CER2 0805 X7R 63V 1N2 PM10 R
2445	4822 126 14585	100NF 10% X7R 0805 50V
2455	4822 126 14585	100NF 10% X7R 0805 50V
2464	4822 126 14585	100NF 10% X7R 0805 50V
2466	5322 122 32531	100PF 5%NP0 50V
2467	5322 122 32658	22PF 5% 50V

Spare parts list DVD730K/751

RESISTORS

3301	4822 117 10833	10K 1% 0,1W
3302	4822 117 11507	6K8 1% 0,1W
3303	4822 117 10833	10K 1% 0,1W
3304	4822 117 11507	6K8 1% 0,1W
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
3317	4822 117 12521	68R 1% 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
3331	4822 117 10833	10K 1% 0,1W
3332	4822 051 20339	33R00 5% 0,1W
3334	4822 051 20008	0R00 JUMP. (0805)
3335	4822 051 20008	0R00 JUMP. (0805)
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
3407	4822 051 20472	4K70 5% 0,1W
3408	4822 051 20105	1M00 5% 0,1W
3409	4822 051 20202	2K00 5% 0,1W
3410	4822 051 20202	2K00 5% 0,1W
3411	4822 117 11449	2K2 5% 0,1W 0805
3412	4822 117 11503	220R 1% 0.1W
3413	4822 117 11503	220R 1% 0.1W
3414	4822 116 83933	15K 1% 0,1W
3416	4822 117 10353	150R 1% 0,1W
3418	4822 051 20474	470K00 5% 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 10833	10K 1% 0,1W
3451	4822 117 10965	18K 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 10965	18K 1% 0,1W
3460	4822 117 10833	10K 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
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
3503	4822 117 10834	47K 1% 0,1W

COILS & CRYSTAL 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	4822 242 10906	27.000 000 MHZ

Spare parts list DVD730K/751

DIODES

6302	4822 130 31981	BZX79-B3V9
6303	4822 130 30621	1N4148
6305	4822 130 30621	1N4148
6306	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
7302	3141 018 50970	TRA SIG C9014 T
7303	3141 018 50970	TRA SIG C9014 T
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
7321	8241 010 45120	IC SMD NJM4560
7322	5322 209 11517	PC74HCU04T
7325	3141 018 51060	IC SM AT24C01A
7327	3141 017 40230	IC SM ZR36703 PROG DVD730K/751
7328	3141 018 51140	IC SM ZR36712
7329	3141 018 51010	IC SM KM416S1020 BT
7331	3141 018 51050	IC SM CS4340
7332	3141 018 51030	IC SM AV3168
7333	8241 010 45120	IC SMD NJM4560
7336	3141 018 50260	BA033T

FRONT BOARD 3141 018 02510

MISCELLANOUS

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

Spare parts list DVD730K/751

MIC BOARD 3141 018 02280

MISCELLANEOUS

1201	4822 267 10573	CON BM H 8P 2.50
1203	4822 267 31453	CONNECTOR, CABLE/WIRE
1204	2422 026 04309	SOC PHONE H 1P F 6.3 ST B
1205	2422 026 04309	SOC PHONE H 1P F 6.3 ST B

CAPACITORS

2201	2222 580 15623	1NF 10% X7R 50V 0805
2202	5322 122 32531	100PF 5%NP0 50V
2203	4822 126 14585	100NF 10% X7R 0805 50V
2204	4822 126 14585	100NF 10% X7R 0805 50V
2205	5322 122 32531	100PF 5%NP0 50V
2207	2222 580 15623	1NF 10% X7R 50V 0805
2208	5322 122 32531	100PF 5%NP0 50V
2209	5322 122 32531	100PF 5%NP0 50V
2211	4822 124 23057	4,7UF 20% 50V
2212	4822 126 14124	220PF 2%
2213	2222 580 15623	1NF 10% X7R 50V 0805
2214	4822 126 14585	100NF 10% X7R 0805 50V
2215	4822 126 14585	100NF 10% X7R 0805 50V
2216	4822 122 33891	3,3NF10%X7R 63V
2217	5322 122 34098	10NF10%X7R 63V
2218	4822 124 40248	10UF20% 63V
2219	4822 124 23057	4,7UF 20% 50V
2221	4822 126 14585	100NF 10% X7R 0805 50V
2222	4822 124 40433	47UF20% 25V
2223	4822 126 14585	100NF 10% X7R 0805 50V
2224	4822 126 14585	100NF 10% X7R 0805 50V
2225	4822 124 40433	47UF20% 25V
2226	4822 124 40248	10UF20% 63V
2227	4822 126 14585	100NF 10% X7R 0805 50V
2228	4822 126 14585	100NF 10% X7R 0805 50V
2229	5322 126 10465	3,9NF 10% X7R 50V 0805 CER2
2230	4822 122 33926	12PF 50V
2231	4822 126 14585	100NF 10% X7R 0805 50V
2232	4822 126 14585	100NF 10% X7R 0805 50V
2233	4822 126 14585	100NF 10% X7R 0805 50V
2234	2222 580 15623	1NF 10% X7R 50V 0805
2237	4822 122 33926	12PF 50V
2238	4822 126 14585	100NF 10% X7R 0805 50V
2239	2222 580 15623	1NF 10% X7R 50V 0805
2240	5322 122 34098	10NF10%X7R 63V
2241	2222 580 15623	1NF 10% X7R 50V 0805
2242	2222 580 15623	1NF 10% X7R 50V 0805
2243	2222 580 15623	1NF 10% X7R 50V 0805

RESISTORS

3201	4822 051 20472	4K70 5% 0,1W
3202	4822 051 20472	4K70 5% 0,1W
3203	4822 051 20102	1K00 5% 0,1W
3204	4822 051 20561	560R00 5% 0,1W
3205	4822 117 10837	100K 1% 0.1W
3206	4822 051 20561	560R00 5% 0,1W
3207	4822 117 10837	100K 1% 0.1W
3208	4822 051 20102	1K00 5% 0,1W
3209	4822 051 20561	560R00 5% 0,1W
3211	4822 117 12955	2K7 1% 0,1W 0805
3212	4822 051 20561	560R00 5% 0,1W
3213	4822 116 83933	15K 1% 0,1W
3214	4822 117 10833	10K 1% 0,1W
3215	4822 051 20562	5K6 5% 0,1W 0805
3216	4822 117 10833	10K 1% 0,1W
3217	4822 051 20109	10R00 5% 0,1W
3218	4822 051 20109	10R00 5% 0,1W
3220	4822 117 10833	10K 1% 0,1W
3221	4822 051 20683	68K00 5% 0,1W
3222	4822 117 10833	10K 1% 0,1W
3223	4822 117 10833	10K 1% 0,1W
3224	4822 051 20332	3K30 5% 0,1W
3226	4822 051 20109	10R00 5% 0,1W
3227	4822 051 20109	10R00 5% 0,1W
3228	4822 051 20229	22R00 5% 0,1W
3229	4822 051 20479	47R00 5% 0,1W
3231	4822 117 11507	6K8 1% 0,1W
3233	4822 051 20332	3K30 5% 0,1W
3234	4822 051 20229	22R00 5% 0,1W
3235	4822 051 20479	47R00 5% 0,1W
3236	4822 051 20561	560R00 5% 0,1W
3245	4822 117 11507	6K8 1% 0,1W
3251	4822 051 20561	560R00 5% 0,1W
3261	3141 010 60170	POTM CAR LOG 10K H AR09711B B
3262	3141 010 60170	POTM CAR LOG 10K H AR09711B B
3263	3141 010 60180	POTM CAR LOG 10K H AR09712B B

COILS & CRYSTAL QUARTZ

5201	4822 157 11235	22UH LANO2TB220J PM5 A
5202	4822 157 11235	22UH LANO2TB220J PM5 A

TRANSISTORS & INTEGRATED CIRCUITS

4201	5322 130 60159	BC846B
4202	5322 130 60159	BC846B
7201	8241 010 45120	IC SMD NJM4560
7202	4822 209 62059	TCA0372DP1
7204	4822 209 17186	PT2399

10. Spare parts list DVD730K/781

Mechanical

200	3141 017 75470	CAB FRONT DVD730K PNT PRT
204	3141 017 73990	WINDOW DVD728K PNT PRT
205	3141 017 75060	BUTTON POWER DVD729K PNT
208	3141 017 75070	VOLUME KNOB DVD729K PNT
219	3141 017 75410	DOOR DVD729K PNT PRT
240	3141 017 75110	BUTTON CONTROL DVD729K PNT PRT
242	3141 017 75120	RING DVD729K PNT PRT
244	3139 244 00410	FOOT DVD711
245	3139 247 50750	FOOT ASSY DVD711
249	3139 243 10010	CUSHION
384	3141 017 90120	REMOTE CONTROL
1001	3141 018 02490	PBAS PSU DVD729K/031
1002	3141 018 02460	PBAS MPEG DVD730K/781
1003	3141 018 02280	PBAS DVD729K MIC
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 28S LOADER- MPEG
8003	3141 010 20910	CWAS 08XH/08XH 500 26S PSU-MPEG
8004	3141 010 20880	CWAS 08EH/08PH 460 26S MIC-MPEG
8006	3141 010 20850	CWAS 04XH/04LC 260 22S PSU-LOADER
⚠ 8008	3141 010 21000	SWI ASSY 1X2 M7.92 260 18S

Power supply board 3141 018 02490

MISCELLANEOUS

⚠ 1001	4822 265 31015	CONNECTOR
⚠ 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 10ON PM10 B
⚠ 2002	3141 018 80520	CAP MPP 275V S 22ON 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 DVD730K/781

MPEG BOARD 3141 018 02460

MISCELLANEOUS

1303	4822 265 11352	CONN. 8P
1304	4822 267 40624	5-FOLD X
1307	2422 025 09904	CON BM V 4P M 2.50 XH B
1311	2422 025 16501	CON BM V 40P M 2.54 103308B
1312	4822 267 10574	CON BM V 8P 2.50
1313	3141 010 30070	MICRO-SHUNT V 2P M 2.54
1320	3141 010 30300	CON BM CINCH V 3P F GNBURD
1322	3141 010 30250	CON S-VEDIO AND CVBS
1323	3141 010 30310	CON BM CINCH V 3P F WHRDBK B
1324	3141 010 30080	RCA-108
1325	4822 276 13114	SWITCH, PUSH BUTTON

CAPACITORS

2301	5322 122 32531	100PF 5%NP0 50V
2303	4822 126 14585	100NF 10% X7R 0805 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
2312	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
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 81136	100U 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
2388	4822 124 11947	10UF 20% 16V
2389	4822 124 11947	10UF 20% 16V
2390	4822 124 11946	22UF 20% 16V
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
2395	4822 124 81108	0,47UF20% 50V
2398	4822 124 81108	0,47UF20% 50V
2401	4822 126 14585	100NF 10% X7R 0805 50V
2403	4822 124 81286	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	2222 586 15713	CER2 0805 X7R 50V 180P PM20 R
2419	2222 586 15713	CER2 0805 X7R 50V 180P PM20 R
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	2222 586 15713	CER2 0805 X7R 50V 180P PM20 R
2425	2222 586 15713	CER2 0805 X7R 50V 180P PM20 R
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	2222 586 15713	CER2 0805 X7R 50V 180P PM20 R
2432	2222 586 15713	CER2 0805 X7R 50V 180P PM20 R
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 122 32614	CER2 0805 X7R 63V 1N2 PM10 R
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 122 32614	CER2 0805 X7R 63V 1N2 PM10 R
2445	4822 126 14585	100NF 10% X7R 0805 50V
2455	4822 126 14585	100NF 10% X7R 0805 50V
2464	4822 126 14585	100NF 10% X7R 0805 50V
2466	5322 122 32531	100PF 5%NP0 50V
2467	5322 122 32658	22PF 5% 50V

RESISTORS

3301	4822 117 10833	10K 1% 0,1W
3302	4822 117 11507	6K8 1% 0,1W
3303	4822 117 10833	10K 1% 0,1W
3304	4822 117 11507	6K8 1% 0,1W
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
3317	4822 117 12521	68R 1% 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
3331	4822 117 10833	10K 1% 0,1W
3332	4822 051 20339	33R00 5% 0,1W
3334	4822 051 20008	0R00 JUMP. (0805)
3335	4822 051 20008	0R00 JUMP. (0805)
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

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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
3407	4822 051 20472	4K70 5% 0,1W
3408	4822 051 20105	1M00 5% 0,1W
3409	4822 051 20202	2K00 5% 0,1W
3410	4822 051 20202	2K00 5% 0,1W
3411	4822 117 11449	2K2 5% 0,1W 0805
3412	4822 117 11503	220R 1% 0.1W
3413	4822 117 11503	220R 1% 0.1W
3414	4822 116 83933	15K 1% 0,1W
3416	4822 117 10353	150R 1% 0,1W
3418	4822 051 20474	470K00 5% 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 10833	10K 1% 0,1W
3451	4822 117 10965	18K 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 10965	18K 1% 0,1W
3460	4822 117 10833	10K 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
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
3503	4822 117 10834	47K 1% 0,1W

COILS & CRYSTAL 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	4822 242 10906	27.000 000 MHZ

DIODES

6302	4822 130 31981	BZX79-B3V9
6303	4822 130 30621	1N4148
6305	4822 130 30621	1N4148
6306	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
7302	3141 018 50970	TRA SIG C9014 T
7303	3141 018 50970	TRA SIG C9014 T
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
7321	8241 010 45120	IC SMD NJM4560
7322	5322 209 11517	PC74HCU04T
7325	3141 018 51060	IC SM AT24C01A
7327	3141 017 40210	IC SM ZR36703 PROG DVD730K/781
7328	3141 018 51140	IC SM ZR36712
7329	3141 018 51010	IC SM KM416S1020 BT
7331	3141 018 51050	IC SM CS4340
7332	3141 018 51030	IC SM AV3168
7333	8241 010 45120	IC SMD NJM4560
7336	3141 018 50260	BA033T

FRONT BOARD 3141 018 02510

MISCELLANOUS

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

MIC BOARD 3141 018 02280

MISCELLANEOUS

1201	4822 267 10573	CON BM H 8P 2.50
1203	4822 267 31453	CONNECTOR, CABLE/WIRE
1204	2422 026 04309	SOC PHONE H 1P F 6.3 ST B
1205	2422 026 04309	SOC PHONE H 1P F 6.3 ST B

CAPACITORS

2201	2222 580 15623	1NF 10% X7R 50V 0805
2202	5322 122 32531	100PF 5%NP0 50V
2203	4822 126 14585	100NF 10% X7R 0805 50V
2204	4822 126 14585	100NF 10% X7R 0805 50V
2205	5322 122 32531	100PF 5%NP0 50V
2207	2222 580 15623	1NF 10% X7R 50V 0805
2208	5322 122 32531	100PF 5%NP0 50V
2209	5322 122 32531	100PF 5%NP0 50V
2211	4822 124 23057	4,7UF 20% 50V
2212	4822 126 14124	220PF 2%
2213	2222 580 15623	1NF 10% X7R 50V 0805
2214	4822 126 14585	100NF 10% X7R 0805 50V
2215	4822 126 14585	100NF 10% X7R 0805 50V
2216	4822 122 33891	3,3NF10%X7R 63V
2217	5322 122 34098	10NF10%X7R 63V
2218	4822 124 40248	10UF20% 63V
2219	4822 124 23057	4,7UF 20% 50V
2221	4822 126 14585	100NF 10% X7R 0805 50V
2222	4822 124 40433	47UF20% 25V
2223	4822 126 14585	100NF 10% X7R 0805 50V
2224	4822 126 14585	100NF 10% X7R 0805 50V
2225	4822 124 40433	47UF20% 25V
2226	4822 124 40248	10UF20% 63V
2227	4822 126 14585	100NF 10% X7R 0805 50V
2228	4822 126 14585	100NF 10% X7R 0805 50V
2229	5322 126 10465	3,9NF 10% X7R 50V 0805 CER2
2230	4822 122 33926	12PF 50V
2231	4822 126 14585	100NF 10% X7R 0805 50V
2232	4822 126 14585	100NF 10% X7R 0805 50V
2233	4822 126 14585	100NF 10% X7R 0805 50V
2234	2222 580 15623	1NF 10% X7R 50V 0805
2237	4822 122 33926	12PF 50V
2238	4822 126 14585	100NF 10% X7R 0805 50V
2239	2222 580 15623	1NF 10% X7R 50V 0805
2240	5322 122 34098	10NF10%X7R 63V
2241	2222 580 15623	1NF 10% X7R 50V 0805
2242	2222 580 15623	1NF 10% X7R 50V 0805
2243	2222 580 15623	1NF 10% X7R 50V 0805

RESISTORS

3201	4822 051 20472	4K70 5% 0,1W
3202	4822 051 20472	4K70 5% 0,1W
3203	4822 051 20102	1K00 5% 0,1W
3204	4822 051 20561	560R00 5% 0,1W
3205	4822 117 10837	100K 1% 0.1W
3206	4822 051 20561	560R00 5% 0,1W
3207	4822 117 10837	100K 1% 0.1W
3208	4822 051 20102	1K00 5% 0,1W
3209	4822 051 20561	560R00 5% 0,1W
3211	4822 117 12955	2K7 1% 0,1W 0805
3212	4822 051 20561	560R00 5% 0,1W
3213	4822 116 83933	15K 1% 0,1W
3214	4822 117 10833	10K 1% 0,1W
3215	4822 051 20562	5K6 5% 0,1W 0805
3216	4822 117 10833	10K 1% 0,1W
3217	4822 051 20109	10R00 5% 0,1W
3218	4822 051 20109	10R00 5% 0,1W
3220	4822 117 10833	10K 1% 0,1W
3221	4822 051 20683	68K00 5% 0,1W
3222	4822 117 10833	10K 1% 0,1W
3223	4822 117 10833	10K 1% 0,1W
3224	4822 051 20332	3K30 5% 0,1W
3226	4822 051 20109	10R00 5% 0,1W
3227	4822 051 20109	10R00 5% 0,1W
3228	4822 051 20229	22R00 5% 0,1W
3229	4822 051 20479	47R00 5% 0,1W
3231	4822 117 11507	6K8 1% 0,1W
3233	4822 051 20332	3K30 5% 0,1W
3234	4822 051 20229	22R00 5% 0,1W
3235	4822 051 20479	47R00 5% 0,1W
3236	4822 051 20561	560R00 5% 0,1W
3245	4822 117 11507	6K8 1% 0,1W
3251	4822 051 20561	560R00 5% 0,1W
3261	3141 010 60170	POTM CAR LOG 10K H AR09711B B

Spare parts list DVD730K/781

3262	3141 010 60170	POTM CAR LOG 10K H AR09711B B
3263	3141 010 60180	POTM CAR LOG 10K H AR09712B B

COILS & CRYSTAL QUARTZ

5201	4822 157 11235	22UH LANO2TB220J PM5 A
5202	4822 157 11235	22UH LANO2TB220J PM5 A

TRANSISTORS & INTEGRATED CIRCUITS

4201	5322 130 60159	BC846B
4202	5322 130 60159	BC846B
7201	8241 010 45120	IC SMD NJM4560
7202	4822 209 62059	TCA0372DP1
7204	4822 209 17186	PT2399

DVD Video Player
Owner's Manual

DVD730K

PHILIPS
DVD730K DVD/VIDEO CD/CD PLAYER
POWER ON/OFF
STANDBY
SOUND
PLAY
PREV
NEXT
OPEN/CLOSE
PAUSE
STOP
MIC 1
MIC 2
LEVEL
ECHO
PHONES - LEVEL
DVD

Let's make things better.

PHILIPS

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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

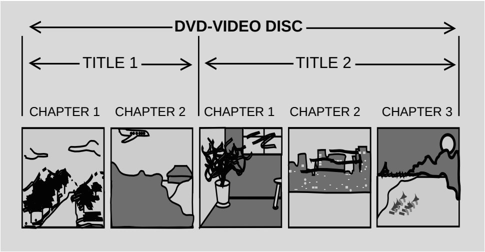
Your Philips DVD-Video player will play digital video discs conforming to the universal DVD-Video standard. With it, you will be able to enjoy full- length movies with true cinema picture quality, as well as stereo or multi-channel sound (depending on the disc and your playback setup).

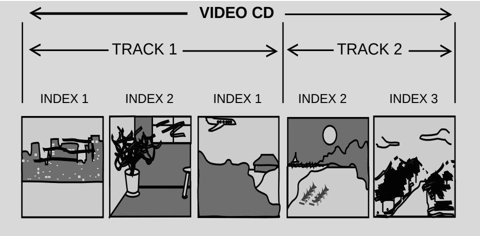
The unique features of DVD-Video, such as selection of sound track, subtitle languages and different camera angles (again depending on the disc), are all included. What's more, Philips Child Lock lets you decide which discs your children will be able to see. You will find the On-Screen Display, player 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 select 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 many tracks. Tracks may have one or more indexes, as indicated on the disc case. To make playback easy and convenient, your player lets you select tracks and indexes.
Some Video CDs have Play Back Control (PBC), which is a predefined playback sequence stored on the disc.

Super VCD

Super VCD discs are based on the super VCD 1.0 Standard, refering to the Standard of the Information Industry Department of the People's Republic of China.

Audio CD

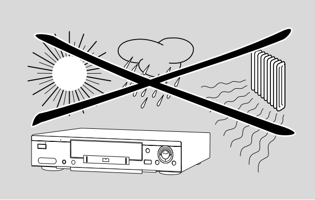
Audio CDs contain music tracks only.
You will recognize Audio CDs by their logo which is shown on left.
You can play them in conventional style through a stereo system, using the keys on the remote control and/or front panel, or via the TV using the On-Screen Display (OSD).
You can play audio CDs using the OSD or, through a stereo system only, using keys on the remote control and/or front panel.

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 cable
- 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.

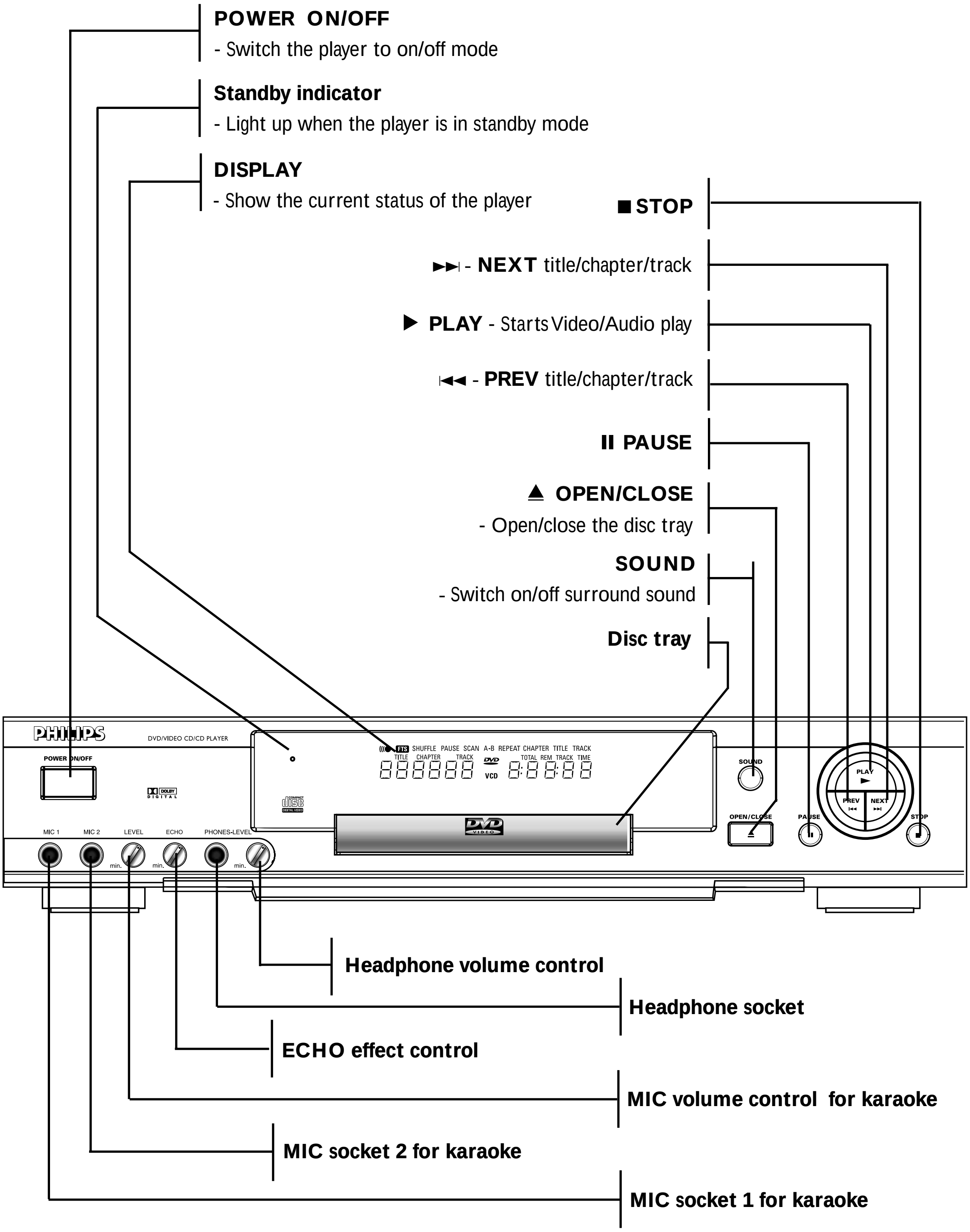
Placement



- Place the player on a firm, flat surface.
- Keep the player away from domestic heating equipment an 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.

Functional overview

Front panel


PHILIPS
DVD/VIDEO CD/CD PLAYER
POWER ON/OFF
DOLBY DIGITAL
DTS SHUFFLE PAUSE SCAN A-B REPEAT CHAPTER TITLE TRACK
TITLE CHAPTER TRACK
TOTAL REM TRACK TIME
VCD
DVD VIDEO
SOUND
OPEN/CLOSE
PAUSE
PLAY
PREV
NEXT
STOP
MIC 1
MIC 2
LEVEL
ECHO
PHONES-LEVEL
min.
min.
min.

POWER ON/OFF
- Switch the player to on/off mode

Standby indicator
- Light up when the player is in standby mode

DISPLAY
- Show the current status of the player

■ **STOP**

►►I - **NEXT** title/chapter/track

► **PLAY** - Starts Video/Audio play

I◄◄ - **PREV** title/chapter/track

II PAUSE

▲ **OPEN/CLOSE**
- Open/close the disc tray

SOUND
- Switch on/off surround sound

Disc tray

Headphone volume control

Headphone socket

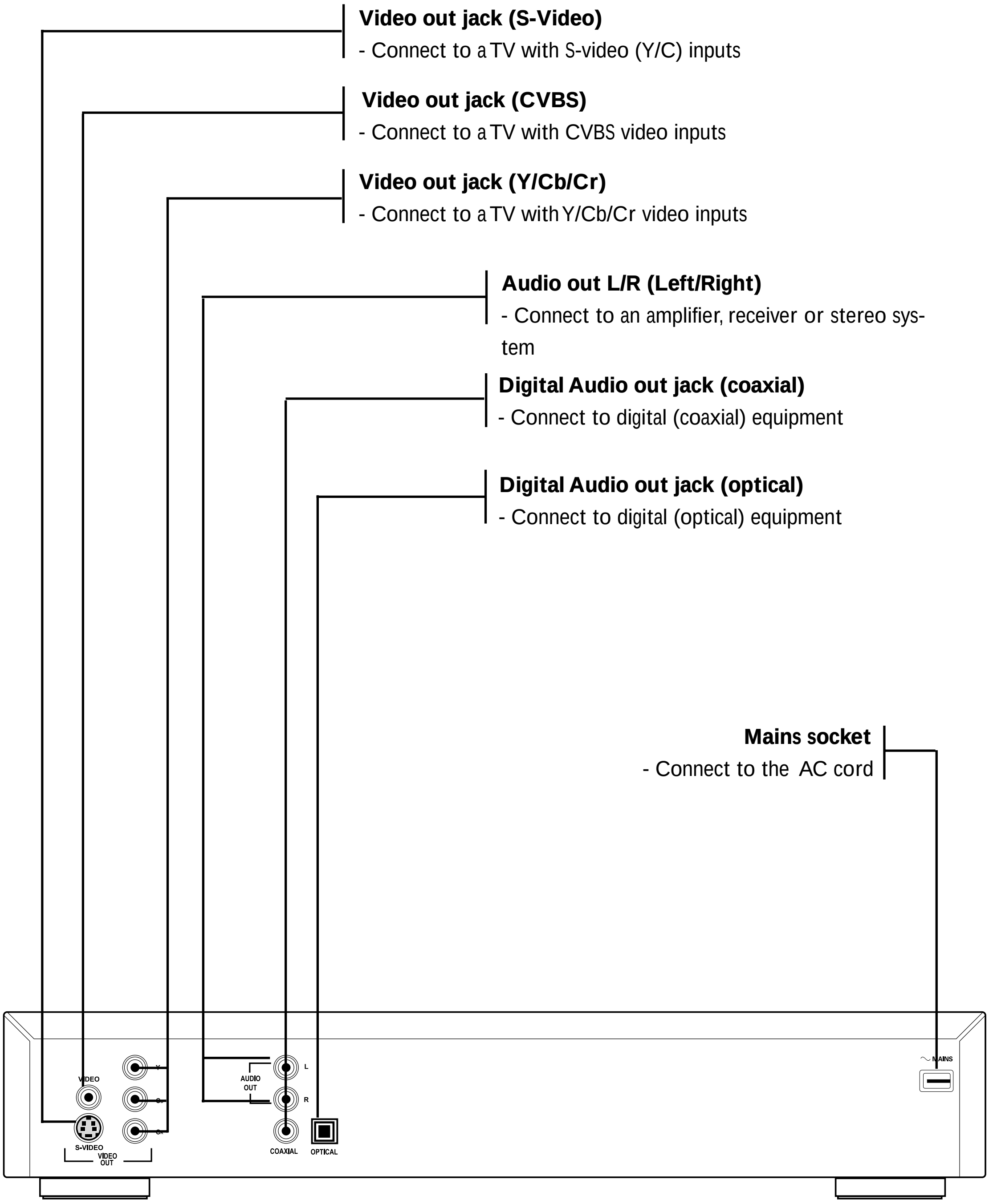
ECHO effect control

MIC volume control for karaoke

MIC socket 2 for karaoke

MIC socket 1 for karaoke

Rear panel



Video out jack (S-Video)
- Connect to a TV with S-video (Y/C) inputs

Video out jack (CVBS)
- Connect to a TV with CVBS video inputs

Video out jack (Y/Cb/Cr)
- Connect to a TV with Y/Cb/Cr video inputs

Audio out L/R (Left/Right)
- Connect to an amplifier, receiver or stereo system

Digital Audio out jack (coaxial)
- Connect to digital (coaxial) equipment

Digital Audio out jack (optical)
- Connect to digital (optical) equipment

Mains socket
- Connect to the AC cord

CAUTION:

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

Functional overview

Display

1 Favorite Track Selection

2 Play/Pause

3 Repeat A-B/Chapter/Title/Track

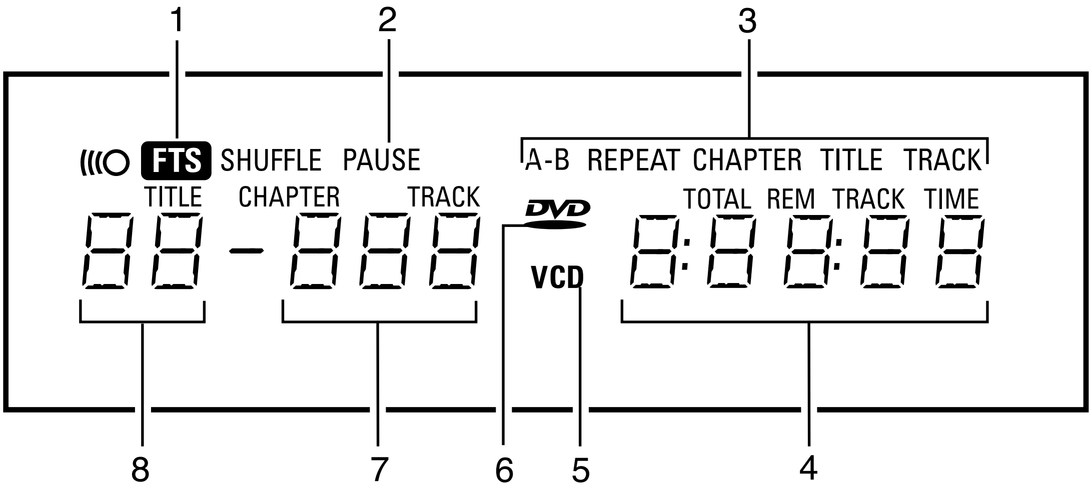
4 Time in hours, minutes and seconds

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


1
2
3
FTS
SHUFFLE
PAUSE
A-B
REPEAT
CHAPTER
TITLE
TRACK
TITLE
CHAPTER
TRACK
DVD
TOTAL
REM
TRACK
TIME
VCD
8
7
6
5
4

Remote control

OPEN/CLOSE .1

DIRECTION KEY (UP) .2

DIRECTION KEY (LEFT) .3

SELECT .4

DIRECTION KEY(DOWN).5

SETUP .6

PREV/NEXT .7

SLOW BACKWARD KEY .8

(Not available for DVD730k)

SLOW FORWARD KEY .9

NUMBER KEY .10

CANCEL .11

GOTO .12

REPEAT A-B .13

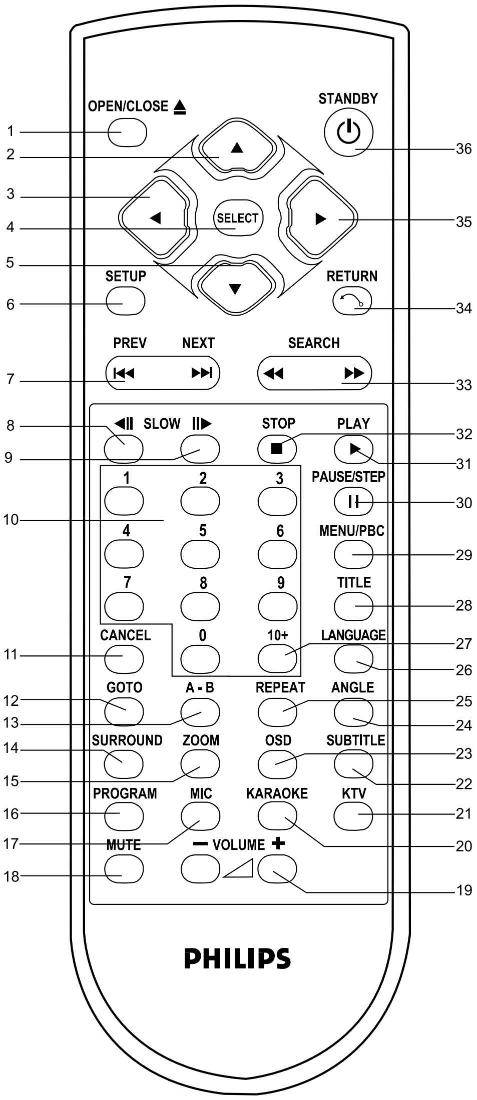
SURROUND SOUND .14

ZOOM .15

PROGRAM .16

MIC ON/OFF .17

MUTE .18


OPEN/CLOSE ▲
STANDBY
SELECT
SETUP
RETURN
PREV
NEXT
SEARCH
SLOW
STOP
PLAY
1
2
3
PAUSE/STEP
4
5
6
MENU/PBC
7
8
9
TITLE
CANCEL
0
10+
LANGUAGE
GOTO
A - B
REPEAT
ANGLE
SURROUND
ZOOM
OSD
SUBTITLE
PROGRAM
MIC
KARAOKE
KTV
MUTE
— VOLUME +
PHILIPS
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36

36. **STANDBY**

35. **DIRECTION KEY (RIGHT)**

34. **RETURN**

33. **FAST FORWARD/FAST BACKWARD**

32. **STOP**

31. **PLAY**

30. **PAUSE/STEP**

29. **MENU/PBC**

28. **TITLE**

27. **10+ KEY**

26. **AUDIO LANGUAGE**

25. **REPEAT**

24. **ANGLE**

23. **OSD (On-Sreen Display)**

22. **SUBTITLE**

21. **KTV** (Not available for DVD730k)

20. **KARAOKE**

19. **VOLUME**

NOTE :

- The usage of the key **SETUP**(6) and **RETURN**(34), please refer to chapter [Setup Menu].
- The usage of the key **CANCEL**(11) please refer to chapter [Favorite Track Selection (DVD)/(SVCD,VCD,CD)].
- The other keys are used for general operation, please see the chapter [Playing a DVD-video disc] and [Playing a SuperVCD/VCD/CD disc] for details.

General explanation

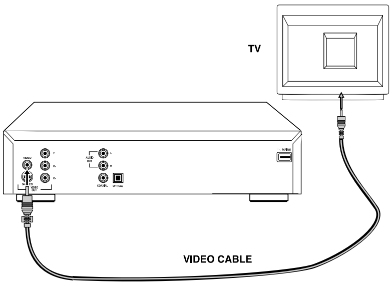
- Depending on the TV and other equipment you want to connect, you could connect the player by various ways. Possible connections are shown in the following drawings.
- Please refer to the manuals of your TV,VCR, Stereo System or other devices to make the best.
- For better sound reproduction, conncet the player's audio out jacks to the audio in jacks of your amplifier, receiver, stereo or A/V equipment. See [Audio Connection].

Caution:

- Do not connect the player's audio out jack to the PHONO IN jack of your audio system.

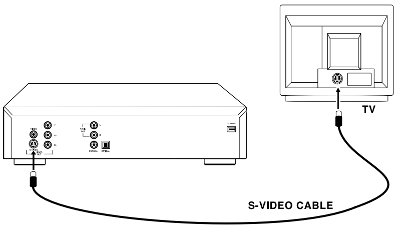
- Do not connect your DVD player to the TV via your VCR. The DVD image could be distorted by the copy protection system.

Video connection



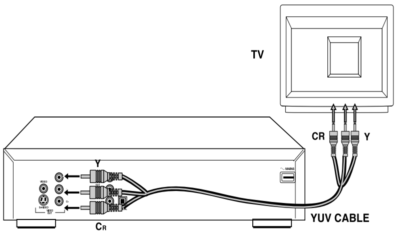
Video CVBS connection

- CVBS video output is the most common video format. It combines brightness signal and chroma signal together by using only one cable for output. Plugs of the cable are both in yellow.
- Connect the (CVBS) VIDEO OUT jack on the DVD player to the video in jack on the TV using the video 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 OUT jack on the rear of the player to the S-Video in jack on the TV using an optional S-Video cable(not supplied).

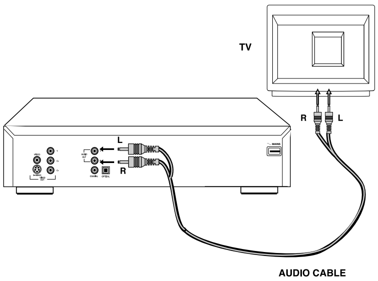


Component video connection (Y/CB/CR)

- Component video of Y/CB/CR format includes three types of signals, they are Y; CBLUE ; CRED.
- Connect the Y/CB/CR OUT jack on the rear of the player to the corresponding in jacks 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 the chapter [Option between component video and S-Video] for details).



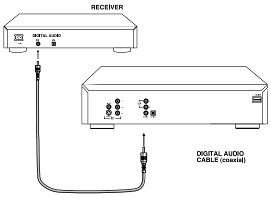
Audio connection

Connect Audio output to TV

- Use the TV speaker for sound reproduction, connect the audio left and right channel sockets on the player rear panel to the corresponding sockets on your TV with the audio cable. (supplied)

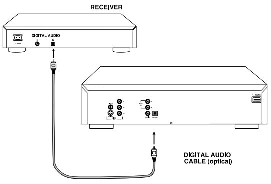
Connecting to an A/V receiver equipment

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 in the package.
- You might 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.



Connect to A/V receiver with digital optical cable

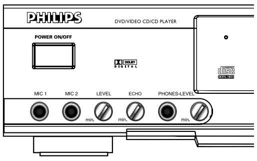
- Connect the player's digital optical output to the corresponding input on the receiver using the digital optical cable (not supplied).
- You might need to set the item [AUDIO] in setup menu for adapting your receiver. Please refer to the chapter [Setup Menu] for details.

NOTE:

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

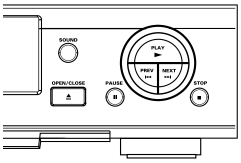
Connecting the power supply

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

- Be sure that audio and video output has been well connected to your TV.
- Choose the available AV input connection on your TV set to connect to the DVD player.
- Press the **POWER ON/OFF** button on the front panel to turn on the player.



Loading discs

- Press the **OPEN/CLOSE** button on the front of the player, the disc tray opens.
- Load your chosen disc in the tray with label side up (also when a double sided DVD is inserted). Make sure the disc is placed properly in the correct recess.
- Press **OPEN/CLOSE** button to close the tray, then the disc will be playbacked automatically.

NOTE:

- If the system of your TV set does't accord with that of the DVD player, the picture will not display normally. If so, open the tray and then press the ZOOM key to force the sysem to adapt your TV set. After that you can enjoy DVD.

Option between component video and S-Video

- You can only choose S-Video or Component Video Connection between DVD player and TV set.
- At OPEN mode, press the **SLOW BACKWARD** key, then choose one available setting (please refer to the chapter [Video Connection] at page 10 for details) and meanwhile, " CVBS+ SVIDEO" or " YCbCr" is appeared on screen.
- The DVD player will execute the corresponding setup automatically.

NOTE:

- The simultaneous connection of component video and S-Video is not allowable.

- If the operation cause some image distortion, maybe the video connection does't accord with the setting. If so, press the SLOW BACKWARD key again to revert.

Remote control battery installation

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

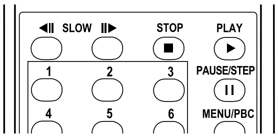
CAUTION:

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

Remote control operation

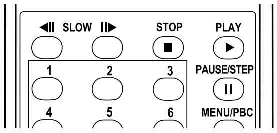
- Unless especially stated, all operations can be performed by the remote control. Always point the remote control directly at the player, making sure there are no obstructions between the remote and the player.
- Corresponding keys on the front panel of the player can also be used.

Video control during playback


SLOW
STOP
PLAY
1
2
3
PAUSE/STEP
4
5
6
MENU/PBC

STOP

- You can resume the play from the point at which you stopped last time if you just press the **STOP** key once. It will start from the beginning if you press the **STOP** key twice to stop playbacking.


SLOW
STOP
PLAY
1
2
3
PAUSE/STEP
4
5
6
MENU/PBC

PAUSE/STEP

- 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 resume normal playback, press **PLAY** key.

Search

- To search the contents in fast speed, press the **SEARCH** key for fast forward/ backward searching.
- Press the **SEARCH** key again to increase the speed for searching.
- Press **PLAY** to return to the normal playback.

Slow Forward

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

Audio control during playback

Mute

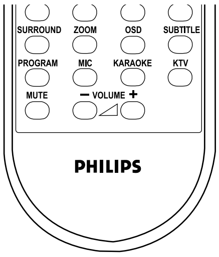
- Press the **MUTE** key to mute the sound output.
- Press the **MUTE** key again to remove the mute.

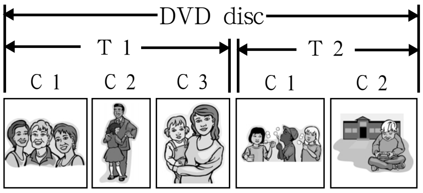
Volume

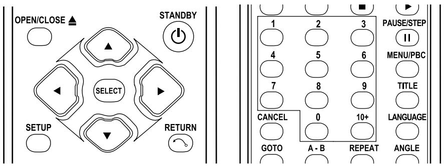
- Press the **VOLUME +** or **VOLUME -** to adjust the loudness.

Surround sound

- The DVD player can reproduce virtual surround sound effects. You can press the **SURROUND** key on the remote control or the **SOUND** button on the front panel to switch on/off the surround sound effect.


SURROUND
ZOOM
OSD
SUBTITLE
PROGRAM
MIC
KARAOKE
KTV
MUTE
– VOLUME +
PHILIPS





Playing title/chapter

Title & chapter

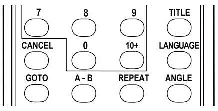
A DVD disc may have one or more titles , and each title may have one or more chapters.This depends on the contents (a movie, video clips, a drama series, etc) on the disc.

Playing a title

- After you load a disc, information about the contents shown on the screen waiting for your selection. Likewise, you can press the **TITLE** key on the remote control to turn back to the title menu during playback.
- If the items of the menu are numbered, press the appropriate numerical key on the remote control, if not, press the ▲▼◀▶ keys to highlight your selection.
- Press the **SELECT** key to confirm your selection.

Playing a chapter

- While you have selected a title, it may include one or more chapters.To select a chapter is the same as to select a title.
- Any time you want to watch another chapter during playback, then press **MENU/PBC** key to turn back to the chapter menu and choose it again, if not, please press the **PREV/NEXT** key to do it.



REPEAT

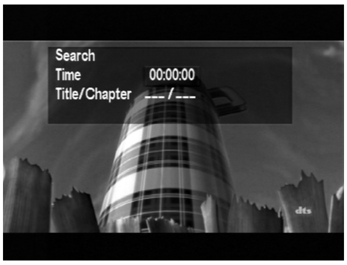
You can playback repeatedly a title or a chapter by pressing the **REPEAT** key. Pay attention to the hint on the screen.

- Press the **REPEAT** key once to repeat the current chapter.
- Press the **REPEAT** key again to repeat the current title.
- Press the **REPEAT** key the third time to quit the repeat state.

Repeat A-B

A-B key enables you to choose a certain piece of program to repeat. Pay attention to the hint on the screen.

- Press the **A-B** key once to set a start point **A**.
- Press the **A-B** key again to set an end point **B**.At the moment, DVD player begins to playback from the start point **A**.
- Press the **A-B** key again to exit the function.



Search
Time 00:00:00
Title/Chapter --- / ---

GOTO

- Press the **GOTO** key on the remote control.
- Press the ▲▼ keys to highlight the item TIME, you can set a start point.

- Enter an available number(e.g. 0:34:27), then press the **SELECT** key.

- Press the ▲▼ keys to highlight the item TITLE/CHAPTER, you can set a desired chapter.

- Enter an available number, then press the **SELECT** key.

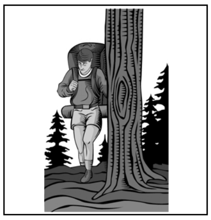
- Press the ▲▼ keys to highlight the item TITLE/CHAPTER, you can set a certain title.

- Enter an available number, then press the **SELECT** key.

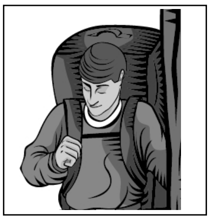
- Press the **GOTO** key to quit.

NOTE: This function is not available for some DVD discs.

Special DVD features



original picture

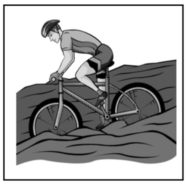


zoomed picture

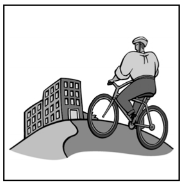
Zoom

- Press the **ZOOM** key on the remote control, to get the picture zoomed in. Press the ▲▼◀▶ key to view the rest part of the zoomed picture.
- Press the **ZOOM** key again to return to the original size.

NOTE:This function may not be availale for some DVD discs.



angle 1



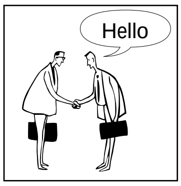
angel 2

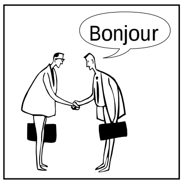
Camera angle

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

NOTE:

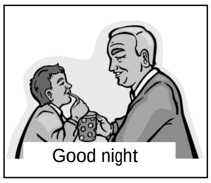
- The function is only available for the DVD discs which contains sequences recorded from different camera angles.

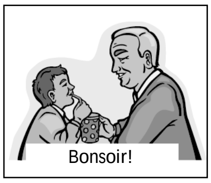




Changing audio languages

- If the DVD is recorded with multi-language audio tracks, you can select the language you want by pressing the **LANGUAGE** key on your remote control.

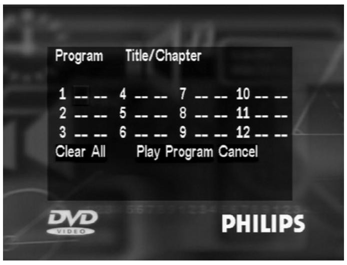




Changing subtitles

- If the DVD is recorded with multi-subtitles, you can select the subtitle by pressing the **SUBTITLE** key on the remote control.

FTS - Favorite Track Selection (DVD)



- This function enables the player to playback your favorite tracks in sequence.
- Edit the playing orders.

1. Press the **PROGRAM** key to enter the submenu.(shown on the left)
2. In the submenu, please input available titles by pressing the numerical key.
3. Then press the ▶ key to highlight the CHAPTER position. Repeat the steps above to input the selected chapter, until the whole program is completed.
4. Press the ▲▼◀▶ keys to highlight the PLAY PROGRAM item and press the **SELECT** key to confirm.

- Cancel the program.

1. Press the ▲▼◀▶ keys to move the cursor to the item you want to exclude.
2. Press the **CANCEL** key, then this selected item will be cancelled.
3. If you want to clear all items, use the ▲▼◀▶ keys to highlight the CLEAR ALL item and press the **SELECT** key.

- Quit the PROGRAM menu.

1. Press the **STOP** key twice.
2. Use the ▲▼◀▶ keys to move the cursor to the item of CANCEL and press the **SELECT** key to quit this menu.

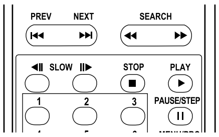
Playing a Super VCD/VCD/CD Disc

Disc Specification Icons

CD This icon indicates the following description of functions are availible for CD.
VCD This icon indicates the following description of functions are availible for VCD.
SuperVCD This icon indicates the following description of functions are availible for SVCD.

Video control during playback

PAUSE/STEP



SuperVCD VCD

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

Search

SuperVCD VCD

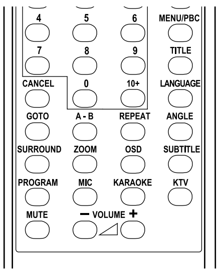
- To search the contents in fast speed, press the **SEARCH** key for fast forward/ backward searching.
- Press the **SEARCH** key again to increase the speed for searching.
- Press **PLAY** key to return to the normal playback.

Slow Forward

SuperVCD VCD

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

Audio control during playback



SuperVCD VCD CD

Mute

- Press the **MUTE** key to mute the sound.
- When the sound is mute, the video will continue playing.

NOTE:This function don't influence digital coaxial output and digital optical output.

Surround sound

SuperVCD VCD CD

- The DVD player can reproduce the virtual surround sound effect.You can press the **SURROUND** key or the **SOUND** button on the front panel to switch on/ off surround sound effect.

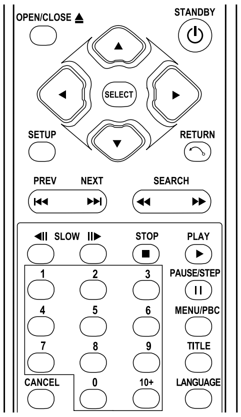
Audio channel selection

SuperVCD VCD

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

Playing title/track

SuperVCD VCD



PBC ON (PlayBack Control)

- Playback control is a kind of title/track index protocol between player and discs. When a disc is recorded in a standard VCD or SVCD format, there will be a menu which include titles/tracks for users to select the contents of a movie or other video programs.
- When you switch on the PBC function you can enter the index menu which is used 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. Pay attention to the hint on 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 numerical key on the remote control, if not, use the ▲▼◀▶ keys to highlight the available item, then press the **SELECT** key to confirm your selection.

- Press the **RETURN** key to enter the index menu during playback.

***NOTE*:**

- The contents of the index menu depend on the disc. Please refer to the disc instruction for details.

- If the disc doesn't include the PBC information, this function will have no effect.

SuperVCD VCD

PBC OFF

- If you switch PBC function off, the disc will just playback from the beginning.
- When you play a 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.

Playing a Super VCD/VCD/CD Disc

SuperVCD VCD CD

Repeat A-B

A-B key enables you to choose a certain portion of program to repeat.

Pay attention to the hint on the screen.

- Press the **A-B** key once to set a start point **A**.
- Press the **A-B** key again to set the end point **B**.At the moment, DVD player begins to playback from the start point **A**.
- Press the **A-B** key again to quit A-B repeat mode.

SuperVCD VCD CD

REPEAT

You can repeat to playback a track or a chapter by pressing the **REPEAT** key.

Please turn the PBC off at advance.

Pay attention to the hint on screen.

Repeat playback [track]

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

Repeat playback [disc]

- Press the **REPEAT** key again to repeat the whole disc.

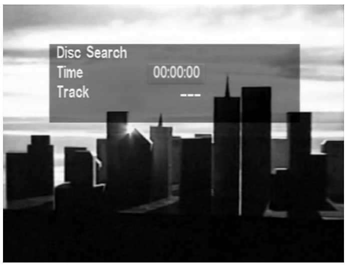
Repeat playback [off]

- Press the **REPEAT** key again to quit repeat state.

SuperVCD VCD CD

GOTO

You can switch tracks or play from any point of the playing disc by using the **GOTO** key.The operation will have some difference in PBC ON and PBC OFF.



Disc Search
Time 00:00:00
Track ---

When PBC is OFF:

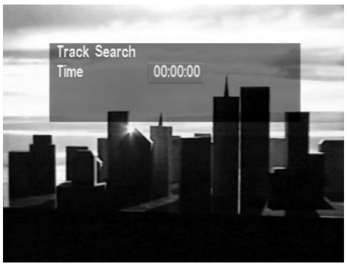
- Press the ▲▼ keys to highlight the item TIME, you can set a start point.

- Enter an available time(e.g. 0:34:27), then press the **SELECT** key to confirm .

- Press the ▲▼ keys to highlight the item TRACK and you can set a desired track.

- Enter an available number then press the **SELECT** key to confirm.

- Press the **GOTO** key again to quit the mode.



Track Search
Time 00:00:00

When PBC is ON:

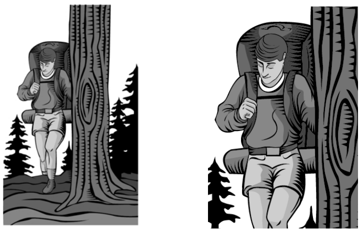
- Press the **GOTO** key once and you can set a start point of the current disc.

- Enter an available time(e.g. 0:34:27) then press the **SELECT** key to confirm.

- Press the **GOTO** key again to quit the mode.

Video control

SuperVCD VCD



Zoom

- Press the **ZOOM** key on the remote control, you will get the magnified picture at different sizes. Press the ▲▼◀▶ key to view the rest part of the zoomed picture.
- Press the **ZOOM** key to return to the original size.

Changing subtitles

SuperVCD

- If the disc is recorded with multi-subtitle tracks, you can select the subtitle you want by pressing the **SUBTITLE** key on your remote control.

OSD (On-Screen-Display)

SuperVCD VCD CD

- This function will provide some information about the disc being played on screen by pressing the **OSD** key.

NOTE:

- Some display information, such as REPEAT,PREV/NEXT,PAUSE, will not display when OSD is set ON, but it won't influence their normal work. If you want to display them, press the OSD key.

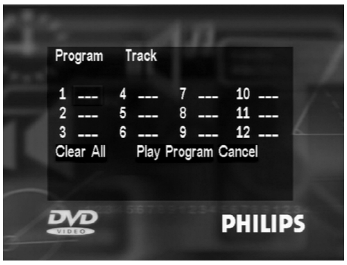
Resume

SuperVCD VCD

When PBC is OFF,

- Press the **STOP** key once seeing the hint: Stop (play the resume)
- Press the **PLAY** key, you can resume the play from the stop point.

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



- This function enables you to select your favorite tracks in sequence.
- Edit the playing orders.

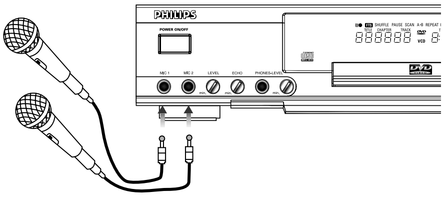
1. Press the **PROGRAM** key to enter the submenu.(shown on the left)
2. In the submenu, input your favorite tracks by pressing the numerical keys.
3. Press the ▲▼ keys to move the cursor to the next position and input another track until the whole program is completed.
4. Press the ▲▼ keys to highlight the PLAY PROGRAM item and press the **SELECT** key to confirm selection.

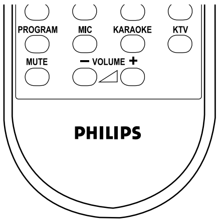
- Cancel the program.

1. Press the ▲▼ keys to move the cursor to the item you want to exclude.
2. Press the **CANCEL** key and this 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.

- Quit the PROGRAM menu.

1. Press the **STOP** key twice.
2. Press the ▲▼◀▶ keys to move the cursor to highlight the item CANCEL and press the **SELECT** key to quit this menu.


PHILIPS
POWER ON/OFF
MIC 1
MIC 2
LEVEL
ECHO
PHONES-LEVEL
SHUFFLE PAUSE SCAN A-B REPEAT
VCD


PROGRAM
MIC
KARAOKE
KTV
MUTE
VOLUME
PHILIPS

General operation of karaoke function

- Connect microphone to MIC1, MIC2 or to both sockets. Be sure the player has been properly connected to your TV or audio system.
- Press the **MIC** key on the remote control to switch the MIC function on. You can see the function menu appear on the screen.
- Load a karaoke disc, press the **PLAY** key to playback.
- ECHO :

You can adjust echo level by turning the knob **ECHO** beside the front panel.

- Audio channels option :

Press the **LANGUAGE** key to choose Stereo, Left, Right, Mix.

- Remember to turn your microphone on.

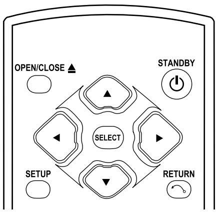
Microphone volume adjustment

- You can adjust the volume of microphone connected to MIC 1 jack & MIC 2 jack by turning the knob **LEVEL** beside the MIC jack.
- When you stop playing karaoke, press the **MIC** key once to switch off MIC input.

***NOTE*:**

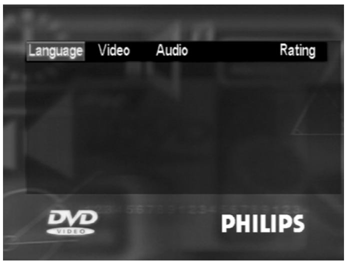
- Some display information, such as REPEAT,PREV/NEXT,PAUSE, will not display when karaoke is ON, but it won't influence their normal work. If you want them to display, press the KARAOKE key to quit.

- When you press the KARAOKE key, you can see the relative information on screen.



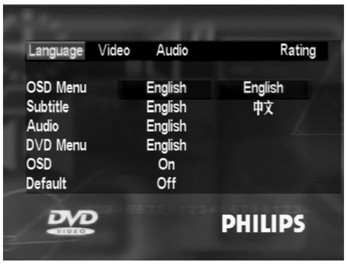
Enter the setup menu - Press the STOP key first

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


Language Video Audio Rating

The way of operations

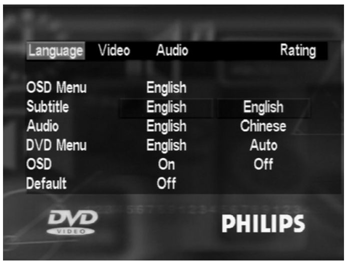
- Press the ◀ ▶ keys on the remote control to highlight an item in the top menu.
- Press the **SELECT** key to open the first level submenu to select an option.
- Press the ▲▼ keys to choose an item in the first level submenu.
- Press the **SELECT** key to select an option. Sometimes you'd better to enter the second level submenu to continue setup.
- When the cursor highlights the item of the first level submenu, press the ▲ key to return to the top menu.
- When you finish setup, press **SETUP** key to quit the setup menu.


Language Video Audio Rating

OSD Menu English English
Subtitle English 中文
Audio English
DVD Menu English
OSD On
Default Off

OSD language

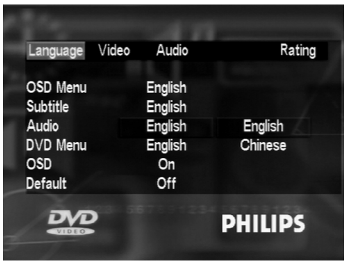
- There are two options available for information displayed on TV screen.
- Follow the steps below:
  - Press the ◀ ▶ keys to highlight the item LANGUAGE in the top menu, then press the **SELECT** key to open the first level submenu.
  - Press the ▲▼ keys to select item OSD MENU.
  - Press the **SELECT** key to open the second level submenu.
  - Press the ▲▼ keys to select the desired language.
  - Press the **SELECT** key to confirm selection.


Language Video Audio Rating

OSD Menu English
Subtitle English English
Audio English Chinese
DVD Menu English Auto
OSD On Off
Default Off

Subtitle language

- DVD discs are available for multi-subtitle languages. this item is used to choose the default subtitle language.
- Follow the steps below:
  - Press the ◀ ▶ keys to highlight the item LANGUAGE in the top menu, then press the **SELECT** key to open the first level submenu.
  - Press the ▲▼ keys to select item SUBTITLE.
  - Press the **SELECT** key to open the second level submenu.
  - Press the ▲▼ keys to select the desired language.
  - Press the **SELECT** key to confirm selection.


Language Video Audio Rating

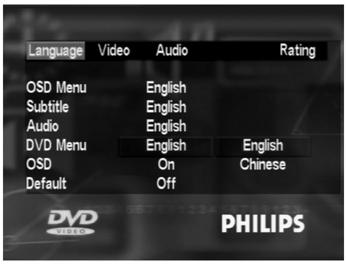
OSD Menu English
Subtitle English
Audio English English
DVD Menu English Chinese
OSD On
Default Off

Audio language

- DVD discs are available for multiple audio languages. Use this item to choose your preferred default audio language.
- Follow the steps below:
  - Press the ◀ ▶ keys to highlight the item LANGUAGE in the top menu, then press the **SELECT** key to open the first level submenu.
  - Press the ▲▼ keys to select the item AUDIO.
  - Press the **SELECT** key to open the second level submenu.
  - Press the ▲▼ keys to select the desired language.
  - Press the **SELECT** key to confirm selection.

NOTE:

- Some DVD discs may not include the selected audio and subtitle languages. If so, the player will use other audio and subtitle languages instead.



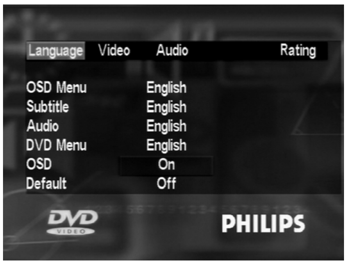
OSD Menu English
Subtitle English
Audio English
DVD Menu English English
OSD On Chinese
Default Off

DVD menu language

- DVD discs are available for multi disc menu languages.This item is used to choose the default DVD menu language.
- Setup the item as follows:
  - Press the ◄► keys to highlight the item LANGUAGE in the top menu, then press the **SELECT** key to open the first level submenu.
  - Press the ▲▼ keys to select DVD MENU item.
  - Press the **SELECT** key to open the second level submenu.
  - Press the ▲▼ keys to select the desired language.
  - Press the **SELECT** key to confirm.

NOTE:

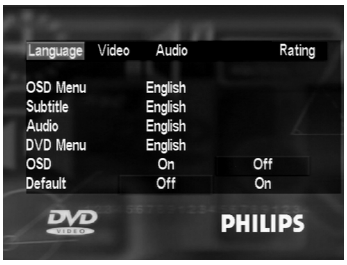
- If your DVD disc doesn't include the selected DVD menu language, the player will use other language instead.



OSD Menu English
Subtitle English
Audio English
DVD Menu English
OSD On
Default Off

OSD (On-Screen-Display)

- You can use this item to decide whether display some information on screen. When OSD is set OFF, the DVD player will disable to display any information on screen, even if you press the **OSD** key.
- Follow the steps below:
  - Press the ◄► keys to highlight the item LANGUAGE in the top menu, then press the **SELECT** key to open the first level submenu.
  - Press the ▲▼ keys to select OSD item.
  - Press the **SELECT** key to confirm.



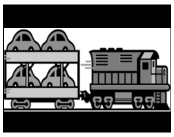
OSD Menu English
Subtitle English
Audio English
DVD Menu English
OSD On Off
Default Off On

Factory default

- If some problems occur during your setup, the item DEFAULT is used to reset all items to factory default and all your personal setting will be erased.
- Follow the steps below:
  - Press the ◄► keys to highlight the item LANGUAGE in the top menu, then press the **SELECT** key to open the first level submenu.
  - Press the ▲▼ keys to select DEFAULT item.
  - Press the **SELECT** key to open the second level submenu.
  - Press the ▲▼ keys to select ON or OFF.
  - Press the **SELECT** key to confirm.

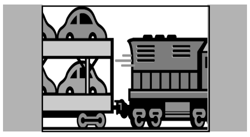
NOTE: When this function is executed, all setups will be reset to factory defaults.

Screen size



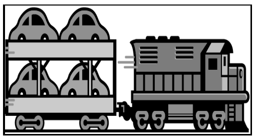
4:3 Letter Box

fig. 1



4:3 Pan Scan

fig. 2



16:9 Wide Screen

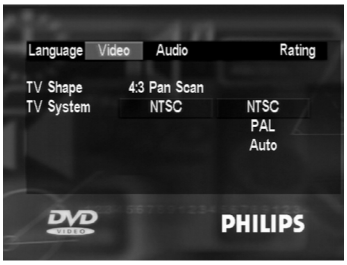
fig. 3

- The common TV screen size rate is 4:3, but there is also a kind of TV screen which its size rate is 16:9, as wide as the screen in cinema. It is what we call 'wide-screen'.
- If a disc is recorded in the size of wide-screen, it will have some problem, like distortion or narrowing, in playing on a normal TV set with the screen size of 4:3 and the function 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 played in 4:3 TV set. It sacrifices certain top and bottom screen space for getting 16:9 picture size. (refer to fig .1)
2. 4:3 PS --- used for 16:9 format movie discs played in 4:3 TV set. It sacrifices certain picture part for getting 4:3 effect. (refer to fig .2)
3. 16:9 wide-screen --- used for 16:9 format movie discs played 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:
  - Press the ◄► keys to highlight the item VIDEO in the top menu, then press the **SELECT** key to open the first level submenu.
  - Press the ▲▼ keys to select TV SHAPE item.
  - Press the **SELECT** key to open the second level submenu.
  - Press the ▲▼ keys to highlight the selected item.
  - Press the **SELECT** key to confirm.

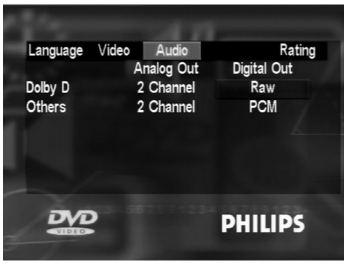
TV system



TV Shape 4:3 Pan Scan
TV System NTSC
NTSC
PAL
Auto

- There are two major television systems, PAL and NTSC. Normally both of them are available in our modern TV set. Setup this item to make the system of the player be according with your TV's (PAL,NTSC or AUTO).
- Setup the item as follows:
  - Press the ◄► keys to highlight the item VIDEO in the top menu, then press the **SELECT** key to open the first level submenu.
  - Press the ▲▼ keys to select TV SYSTEM item.
  - Press the **SELECT** key to open the second level submenu.
  - Press the ▲▼ keys to highlight the selected item.
  - Press the **SELECT** key to confirm.

Audio output



	Analog Out	Digital Out
Dolby D	2 Channel	Raw
Others	2 Channel	PCM

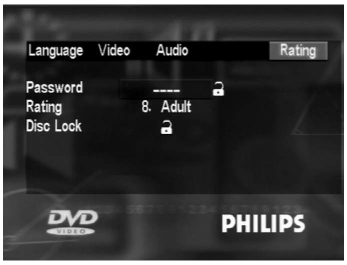
- In this item, you can choose either analog audio output or digital audio output.
- The item DOLBY D is only available for DVD discs and the item OTHER is available for others. Setup the item following the steps below:
  - Use the ◄► keys to highlight item AUDIO in the top menu, then use the **SELECT** key to open its submenu.
  - Press the ▲▼ keys to highlight the choice and press the **SELECT** key to confirm.

[Dolby d]
  [Analog out]
    - [2CH] If connect the player to a stereo amplifier or Dolby Prologic amplifier.
    - [OFF] Disable to output analogue signals.
  [Digital output] Such option as [RAW] or [PCM] will be supplied.
[Others]
  [Analog out] Such option as [2CH] or [OFF] will be supplied.You can select the proper option.
  [Digital output] Such option as [RAW], [PCM] or [OFF] will be supplied.

- Press the **SETUP** key to complete the function.

NOTE:The digital output of DTS discs must be setup RAW.

Password



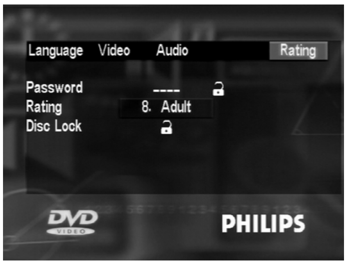
Password ----
Rating 8. Adult
Disc Lock

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

Parental control



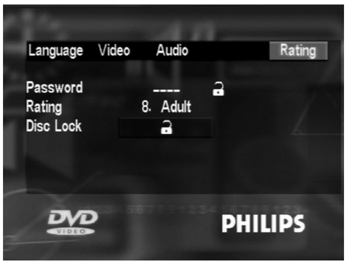
Password ----
Rating 8. Adult
Disc Lock

- DVD disc can be set with levels which define the movie degrees of violence, horror or iroticism.There are 8 levels included in the parental control. From level 1 to level 8, the ponderance increases gradually. If the parental control is activated, only the movies with lower degree than you set can be admitted to show, otherwise, you have to enter the password for authorization.
- 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 pressing the ◀▶ keys, press the **SELECT** key to enter the submenu.
  - Press the ▲▼ keys to select the item PASSWORD and enter your password to log on.You can enter the default password 9999 firstly by pressing the numerical keys on the remote control, and press the **SELECT** key to confirm.
  - Press the **SELECT** key to open the icon of the lock shown on right.
  - Move the cursor to highlight the RATING item and press the **SELECT** key to change the level.
  - Press the ▲▼ keys to select the item PASSWORD and enter your password.
  - Press the **SELECT** key to confirm.
  - You can press the key **SETUP** to quit the setup menu.

NOTE:

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

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



Password ----

Rating 8. Adult

Disc Lock

Disc lock

● Although you can't use parental control on VCD and SVCD discs, you still can apply the function of disc lock to exclude them from your player.

● When you lock the current disc, the player will store its typical code into the memory for the future identification.The DVD player will prompt to enter the password for the next playback.

● The password in DISC LOCK is the same as in PARENTAL CONTROL**.** But you still can use the default password 9999 to unlock the disc.

● You can follow the steps below to setup the parental control.

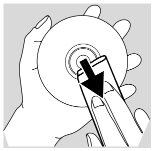
- Highlight the item RATING in the top menu by pressing the ◄► keys, and press the **SELECT** key to enter the submenu.
- Press the ▲▼ keys to select the item PASSWORD and enter your code to log on.You can enter the default password 9999 firstly by pressing the numerical keys, and then press the **SELECT** key to confirm.
- Highlight the item DISC LOCK by pressing the ▲▼ keys and press the **SELECT** key to change the setup.
- There are two options. One is unlocked that indicates the disc is unlocked, the other is locked that means the disc is locked.
- Press the ▲▼ keys to select the item PASSWORD and enter your pass word.
- Press the **SELECT** key to confirm.
- You can press the key **SETUP** to quit the setup menu.

NOTE:

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

Disc maintains

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



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

Caution:

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

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. It may be that something has been overlooked. ***Under no circumstances should you try to repair the yourself; as this will invalidate the warranty. Only qualified service personnel can remove the cover or service this player.***

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

Symptom	**Remedy**
No power	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	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	Check the disc for fingerprints and clean with a soft cloth, wiping from center to edge. sometimes a small amount of picture distortion may appear. This is not a malfunction.
Completely distorted picture or no color with player menu.	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.	The disc format does not match your TV's video signal (PAL/NTSC).
No sound	Check audio connections. If you are using a HiFi amplifier, try another sound source.
Distorted sound from HiFi amplifier.	Check to make sure that no audio connections are made to the amplifier phono input
No audio at digital output.	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.	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.	Reset 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.	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.	In order to completely reset the player, unplug the AC cord from the AC outlet for outlet for a few seconds.
Player does not respond to some operating commands during playback.	Operations are not permitted by the disc. Refer to the instructions of the disc.