

Service Service Service



Service Manual



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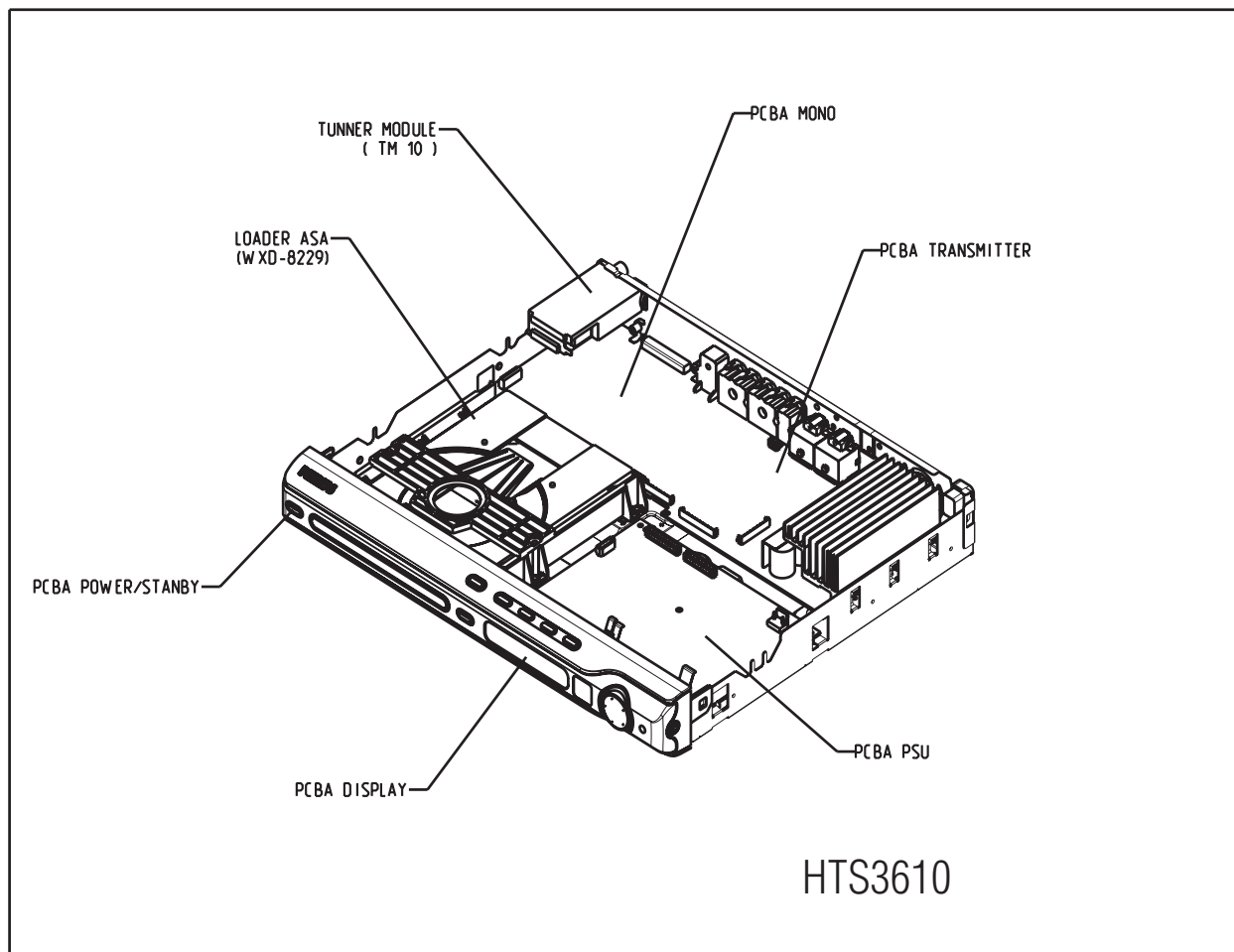
EN 3139 785 31460

Version 1.0



PHILIPS

LOCATION OF PC BOARDS



VERSION VARIATIONS:

	HTS3610/12	HTS3610/51
Video (Yellow, Cinch)	-	-
Component Video, (Y/Pb/Pr) -P-scan	-	-
SCART (CVBS/RGB)	x	x
Digital In - Coaxial	x	x
TV In (Left/Right)	-	-
Auxiliary (Left/Right)	x	x
Line out (Audio)	-	-

1. Specifications

1.1 General:

Mains voltage	: 230V for /05, /12, /51 120V/230V for /55 /93 /98
Mains frequency	: 50/60Hz for /98, /55, /93, 50Hz for /12, /05, /51
Power consumption	: 70W < 0.5W Eco standby power < 70W at 1/8 P _{rated} (For main unit)
Dimension main unit	: 360 x 54 x 324mm

1.2 Tuner FM

Tuning range	: 87.5-108MHz
Grid	: 50kHz for /12, /05, /51 100kHz for /98, /55, /93
IF frequency	: 10.7MHz ± 25kHz
Aerial input	: 75Ω coaxial
Sensitivity at 26dB S/N	: < 7μV
Selectivity at 600kHz bandwidth	: > 25dB
IF rejection	: > 60dB
Image rejection	: > 25dB
Distortion at RF=1mV, dev. 75kHz	: < 3%
-3dB Limiting point	: 8μV
Crosstalk at RF=1mV, dev. 67.5kHz	: > 28dB
Crosstalk at RF=1mV, dev. 40kHz	: > 18dB

MW

Tuning range	: 531-1602kHz for /12, /05, /51, /98, /93, /55 530-1700kHz for /98, /55, /93
Grid	: 9kHz for /12, /05, /51, /98, /93, /55 10kHz for /98, /55, /93
IF frequency	: 450kHz ± 1kHz
Aerial input	: Frame aerial
Sensitivity at 26dB S/N	: < 4.0mV/M
Selectivity at 18kHz bandwidth	: > 20dB
IF rejection	: > 45dB
Image rejection	: > 28dB
Distortion at RF=50mV, m=80%	: < 5%

1.3 AMPLIFIER:

Output power	
Front	: 100W RMS / channel
Rear	: 75W RMS / channel
Center	: 100W RMS
Subwoofer	: 150W RMS
Frequency response ±0.5dB	: 20Hz-20kHz
Hum (Volume Minimum)	: 200nW
Residual noise (Volume Minimum)	: 40nW
Input sensitivity	
Aux In	: 1V ± 3dB at 22kΩ
Scart In	: 1V ± 3dB at 22kΩ
Output sensitivity	
Line Out (Left/Right)	: 1V ± 2dB at 10kΩ
Scart Out (Left/Right)	: 1V ± 2dB at 10kΩ

1.4 COMPACT DISC/VCD/DVD:

Video Decoding	: MPEG-1/MPEG-2/ MPEG-4/DivX 3.11, 4.x & 5.x
Video DAC	: 12 Bits
Signal System	: PAL / NTSC
Video Format	: 4:3 / 16:9
CVBS Out ¹⁾	
CVBS level	: 1.0 ± 0.1V _{p-p}
Luminance S/N	: >= 60dB
S-Video Out ¹⁾	
Y level	: 1.0 ± 0.1V _{p-p}
Y S/N	: >= 60dB
C level (burst)	: 286mV _{pp} +1/-4 dB
RGB/YUV Out ¹⁾	
Amplitude	: 0.7 ± 0.1V _{p-p}
S/N	: >= 60dB

¹⁾ Output terminals to be terminated with 75Ω

3. Directions For Use

The following except of the Quick Use Guide serves as an introduction to the set.
The Complete Direction for the Use can be downloaded in different languages from the internet site of Philips Customer care Center:
www.p4c.philips.com

Home Theatre System

Quick Start Guide

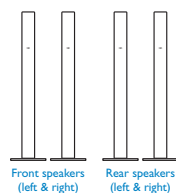
- 1 Connect
- 2 Setup
- 3 Enjoy



What's in the Box



DVD system



Front speakers
(left & right)

Rear speakers
(left & right)

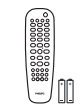
Subwoofer



Centre speaker



Quick start guide



Remote control
and 2 batteries



Scart cable
(black plug)



AM/MW
loop antenna



User manual



FM wire antenna

PHILIPS

3 Enjoy

Play DVD

1 Press **OPEN/CLOSE** on the front of the DVD system to open the disc tray.

2 Place DVD in tray with the label facing up.

3 Press **OPEN/CLOSE** again.

4 Press **UP** , **DOWN** , **RIGHT** or **LEFT** to scroll through the options in the DVD menu.

5 Press **PLAY** on the option you want.

6 To stop press **STOP** .

Tip Press **PLAY** to resume from where you stopped or press **STOP** and **PLAY** to start from the beginning of the title.

7 Press **DISC MENU** to go back to the DVD menu.

Listen to Radio

1 Press **TUNER** .

Front display
AUTO INSTALL PRESS PLAY

2 Press and hold **PLAY** until 'START' appears.

Tip This feature is only available for first time setup, refer to user manual if you wish to program radio stations again or for manual programming.

3 Once completed you can use **NEXT** or **PREVIOUS** to select a radio station.

Experience Surround Sound

1 Press **SURR** to switch between Stereo and Multi-channel.

2 Press **SOUND** for either Concert, Drama, Action or Sci-Fi preset digital sound effects.

Troubleshooting

For more troubleshooting tips, see the user manual.

Problem	Tip
No power	- Check if the AC power cord is properly connected. - Press the STANDBY-ON on the front of the DVD system to turn on the power.
No picture	- Press DISC on remote control. - Check connection to TV and ensure the plugs are firmly in place.
No sound or distorted sound	- Adjust the volume. - Check the speaker connections and settings. - Check audio connections and press SOURCE button to select the correct input source.
Remote control does not work	- Check that the batteries are loaded correctly or replace the batteries with new ones. - Select the source (DISC or TUNER, for example) before pressing the function button. - Reduce the distance between the remote control and the system. - Point the remote control directly toward the IR sensor.

Need help?

User Manual

For more product information refer to the user manual of the home theatre system.

Online

Go to www.philips.com/support

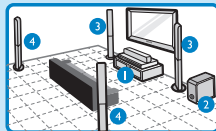


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1 Connect

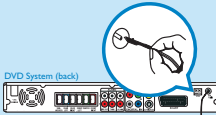
A Position Speakers & Subwoofer

- 1 Place centre speaker on or close to the TV.
- 2 Place subwoofer on the floor.
- 3 Place front speakers equal distance from the TV and angle them 45 degree to the listener.
- 4 Place rear speakers facing the listener, equal distance on the left and right.



B Fix Antennas

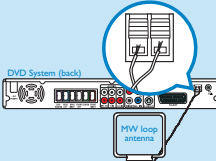
- 1 Connect the FM antenna to the FM socket, extend the antenna and fix it on the wall.



- 2 Unfold the AM/ MW loop antenna and fix the claw into the slot.

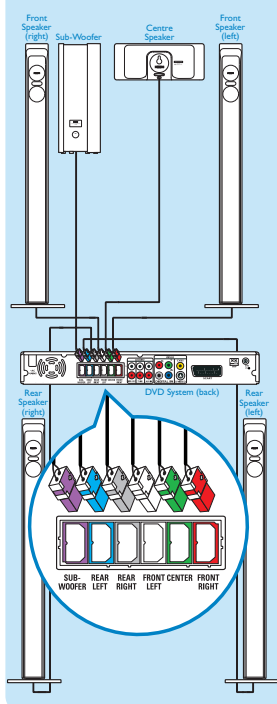


- 3 Push back tab and insert each wire into slot.



C Connect Speakers & Subwoofer to DVD System

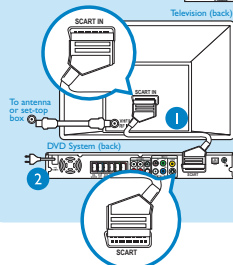
Connect the various coloured plugs from the speakers and subwoofer to the same colour socket on the rear of DVD system.



D Connect DVD system to TV

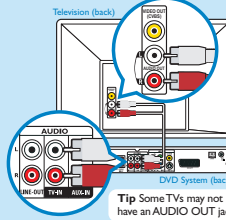
- 1 Use the supplied black SCart cable to connect the SCART socket on the rear of the DVD system and the SCART input socket at the rear of the TV.
- 2 Plug in the power cable of the DVD system to an AC outlet.

Tip To connect other devices to the DVD system, refer to the use manual.



E Connect Audio from TV to DVD System (Optional)

Use the red & white audio cables to connect the red & white TV-IN sockets on the rear of the DVD system and the red & white AUDIO OUT sockets on the TV.

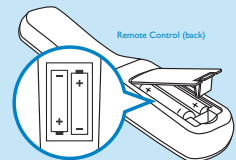


Tip Some TVs may not have an AUDIO OUT jack.

2 Setup

A Insert Batteries in Remote Control

- 1 Remove batteries compartment cover.
- 2 Insert the provided batteries in the remote control. Take note of where the positive and negative ends should go.
- 3 Replace the batteries compartment cover.



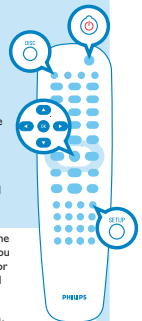
B Find Correct Viewing Channel

- 1 Press **STANDBY-ON** on the DVD system's remote control.
- 2 Press **DISC** on the remote control repeatedly until 'DISC' appears on the front panel.
- 3 Press **SETUP**.
- 4 Switch on the TV.
- 5 Press '0' on the TV's remote control, then repeatedly press the Channel Down button until you see the General Setup Page. This is the correct viewing channel for the home theatre system.

Tip In some TVs, to find the correct viewing channel, you can keep pressing the AV or the SELECT buttons. If still unable to find the correct viewing channel, check the connections again or check your TV's user manual.

- 6 Press **SETUP** to finish.

Tip To make changes to any of the options in the Setup menus, refer to the user manual.



4. Dismantling Instructions

4.1 Dismantling of the DVD Loader

- 1) The tray can be manually open by inserting a minus screw drive and push the lever in the direction as shown in Figure 3-1 to unlock the tray before sliding it out.



Figure 4-1

- 2) Slide out the tray and remove the Cover Tray (pos 110) as shown in Figure 3-2.

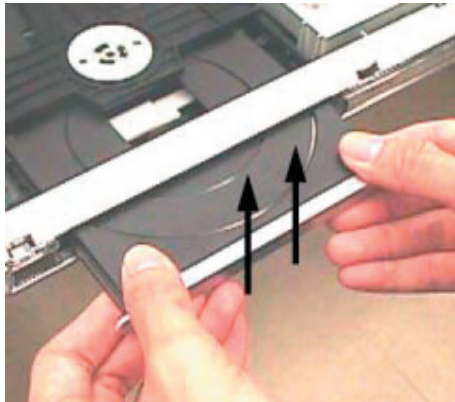


Figure 4-2

- 3) Loosen 5 screws to remove the Front Top.(pos 240)
 - 1 screw each on the left & right side (pos 272)
 - 3 screws behind
- 4) Loosen 4 screws C (see Figure 3-4) to remove the DVD Loader.

4.2 Dismantling of the Tuner Module, MONO Board, Front Board, PSU Module

- 1) Loosen 1 screw A (see Figure 3-3) to remove the Tuner Module (pos 1040).
- 2) Loosen 9 screws B (see Figure 3-3) and 4 screws (see Figure 3-4) to remove MONO Board.
- 3) Release 4 snap hooks to remove Front Board.
 - 1 snap hook each on the left & right side (pos 161).
 - 2 snap hooks on the bottom side (pos 161).
- 4) Loosen 4 screws E (see Figure 3-4) to remove the PSU Module.

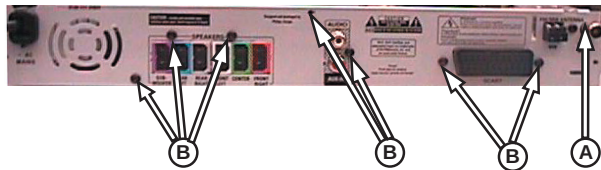


Figure 4-3

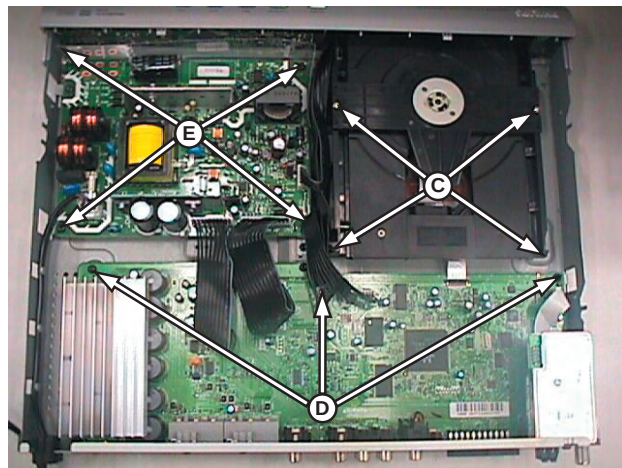
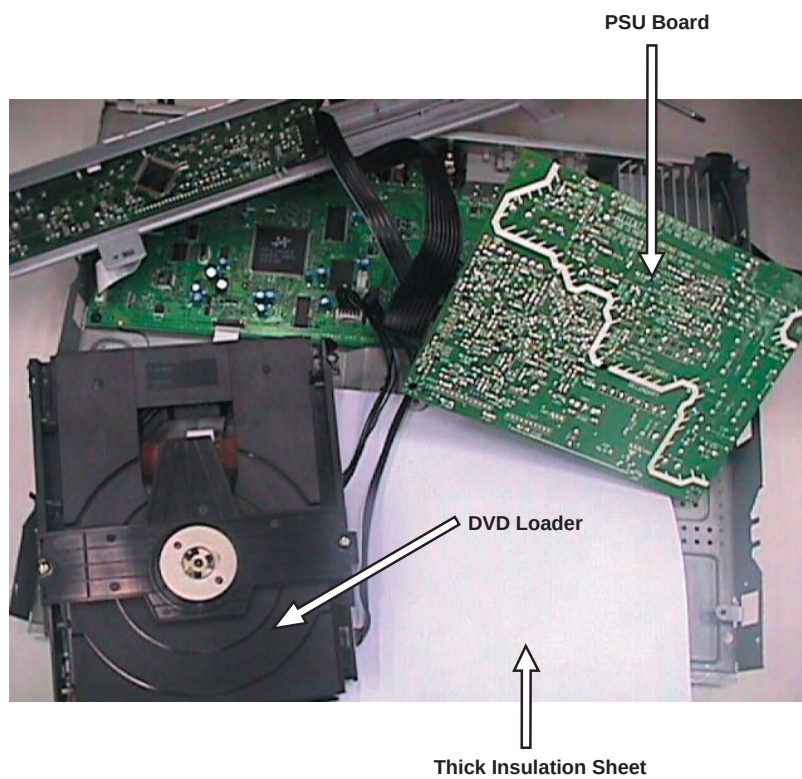
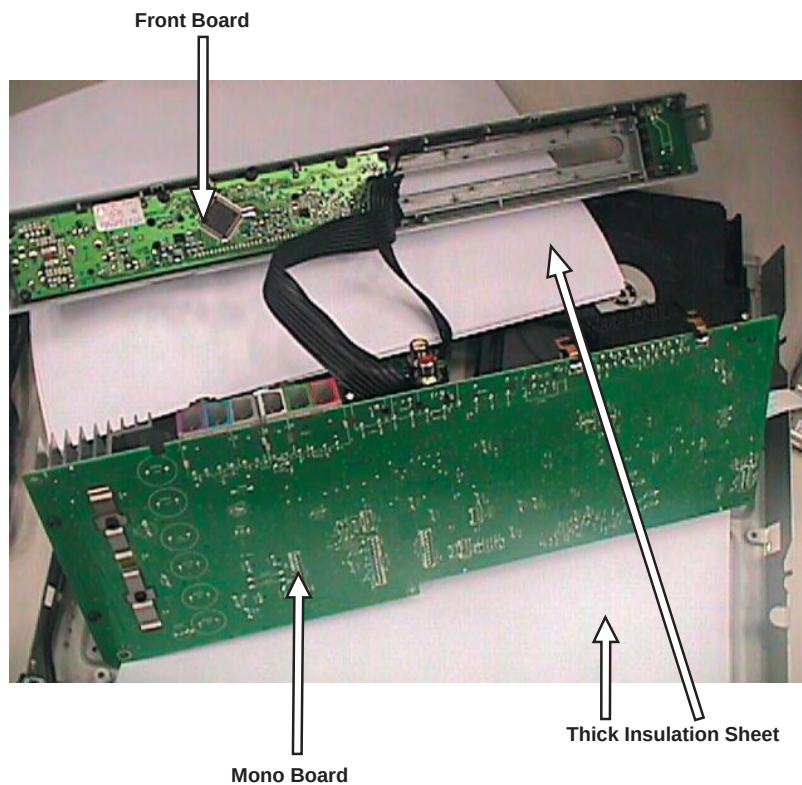
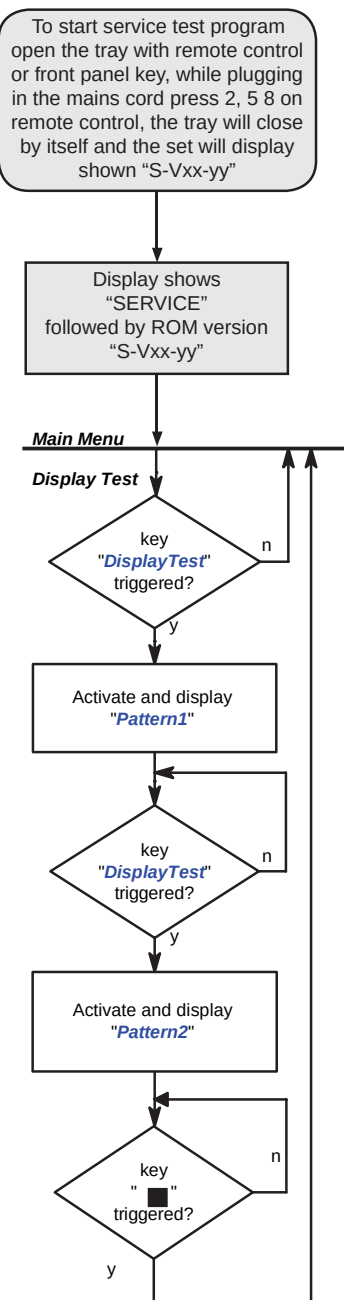


Figure 4-4

4.3 Service Positions



5. Service Test Program



S refers to Service Mode

V refers to Version

xx refers to Software version number of BEA
(counting up from 01 to 99)

yy refers to Software version number of Front uP
(counting up from 01 to 99)

5.1 Display Test

Purpose:

This test is used to check the driving circuits, the display and whether there are any short-circuits, open-circuits or any other defects.

Player:

Following display patterns are used to test the display and its connections to µP.

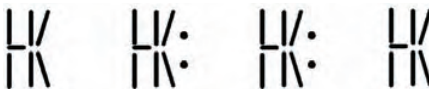
Pattern 1: *Default: All display control pins are ON*

- to check the open-circuits



Pattern 2: *Alternate display control pins are on (Test Pattern: 0x55)*

- to check the short-circuits on Data port



Receiver:

Following display patterns are used to test the display and its connections to µP.

Pattern 1: *Default: All display control pins are ON*

- to check the open-circuits



Pattern 2: *Alternate display control pins are on (Test Pattern: 0x55)*

- to check the short-circuits on Data port



TEST	Activated with	ACTION
EEPROM FORMAT TEST	 to Exit	Load default data. Display shows "NEW". Caution! All presets from the customer will be lost!!
ROTARY ENCODER TEST	Volume Knob	Display shows value for 2 seconds. Volume values increases or decreases in steps of 1 until 0 (VOL MIN) or 40 (VOL MAX) is reached.
LEAVE SERVICE TEST PROGRAM	Disconnect mains cord	

5.1.1 Reprogramming of DVD version Matrix

After repair, the customer setting and region code may be lost. Reprogramming will put the set back in the state in which it has left the factory, ie. with the default setting and the allowed region code.

Model	Region	Region Code	TV Type
HTS 3610/12	Europe	2	PAL
HTS 3610/51	Russia	5	PAL

To reprogram do as follows:

- 1) Power up the set and select DISC source.
- 2) Open tray by press "OPEN/CLOSE" button on the set or press and hold "STOP" button on the RC.
- 3) Press the following buttons on the Remote Control:
 <9> <9> <9> <9> <ZOOM> <6> for HTS 3610/12
 <9> <9> <9> <9> <ZOOM> <7> for HTS 3610/51
- 4) The display shows 'YYYY-ZZ' and the tray will close.
 YYYY = model number (eg. 8300, 8500, etc.)
 ZZ = slash stroke version (eg. 01, 69, etc.)

5.1.2 Procedure for check Software version

- 1) Power up the set and select DISC source.
- 2) Open tray by press "OPEN/CLOSE" button on the set or press and hold "STOP" button on the RC.
- 3) Press "DISPLAY" button on the Remote control.
- 4) The TV screen will shows:

PPPP-Vxx YYYY-ZZ
 SERVO: GGGGGGGG REG:DD

PPPP : LX1S, LX1D, or LX2W
 xx : version number
 YYYY = model # - 3000S / 2000D / 5000W
 ZZ = stroke version (/12, /51)
 DD = region code
 GGGGGGGG = version for servo code

5.1.3 Burning of firmware

1. Unzip the zip-archive attached with this service information.
2. Start the CD burning software and create a new CD Project (Data disc) with the following settings:
 - a. File System: ISO9660
 - b. Format: MODE 2/XA
 - c. Recording format: Single Session (Track at once), Finalized CD
3. Place the content of the zip-archive into the root directory of the new CD project.
4. Burn the data onto a blank CDR or CDRW.

Note: ISO9660 is mandatory, UDF discs are not supported!
 The final CDROM must not contain any other data except the file from the zip-archive.

5.1.4 Procedure to upgrade the firmware

1. Power up the set and open tray.
2. Insert the prepared Upgrade CDROM and close the tray.
3. The set will display:

LOAD -> MULTICH ->..... ->UPG END.
 The whole process takes less than 2 minutes.

Note: Do not press any button or interrupt the main supply upgrading process, Otherwise the set may become defective.

4. When the upgrade is completed, the tray will close automatic.
5. The tray will close and the set will go to Standby mode automatically when the upgrade process is completed.

5.1.5 Procedure to check the firmware version to confirm upgrading

1. Power up the set and open tray.
2. Press the <Menu Display> button on the Remote Control.
3. The firmware version will be displayed on the top left hand corner of the OSD.

5.1.6 Trade Mode

Trade mode is a feature that will block all set keys when enabled. It is for dealers to prevent customers from removing disc, changing source etc using the set keys. Rotary and Remote Control (RC) keys are still allowed in Trade mode.

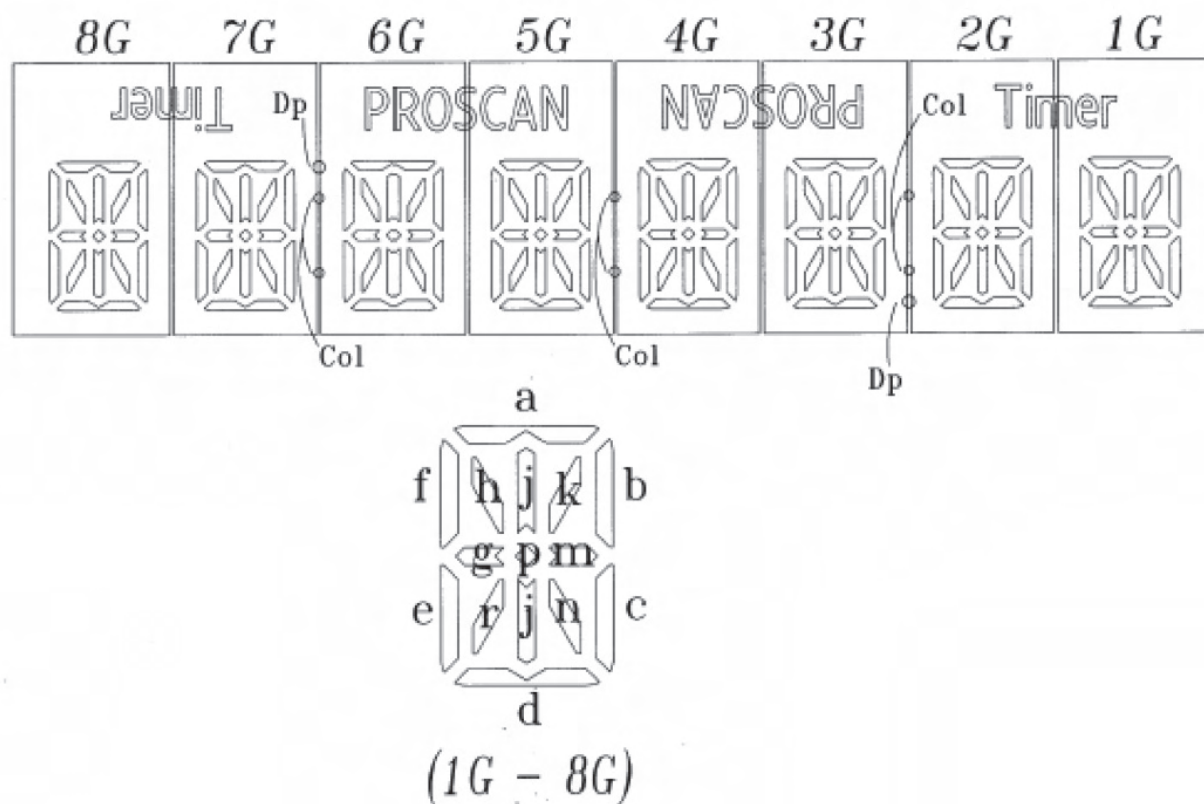
To activate Trade Mode:

- 1) Power up the set and select DISC source.
- 2) Open tray by press "OPEN/CLOSE" button on the set or press and hold "STOP" button on the RC.
- 3) Then press buttons <2> <5> <9> on the RC.
- 4) The display shows 'TRA ON' and the tray will close.
 Trade Mode is now enabled.

To deactivate Trade Mode:

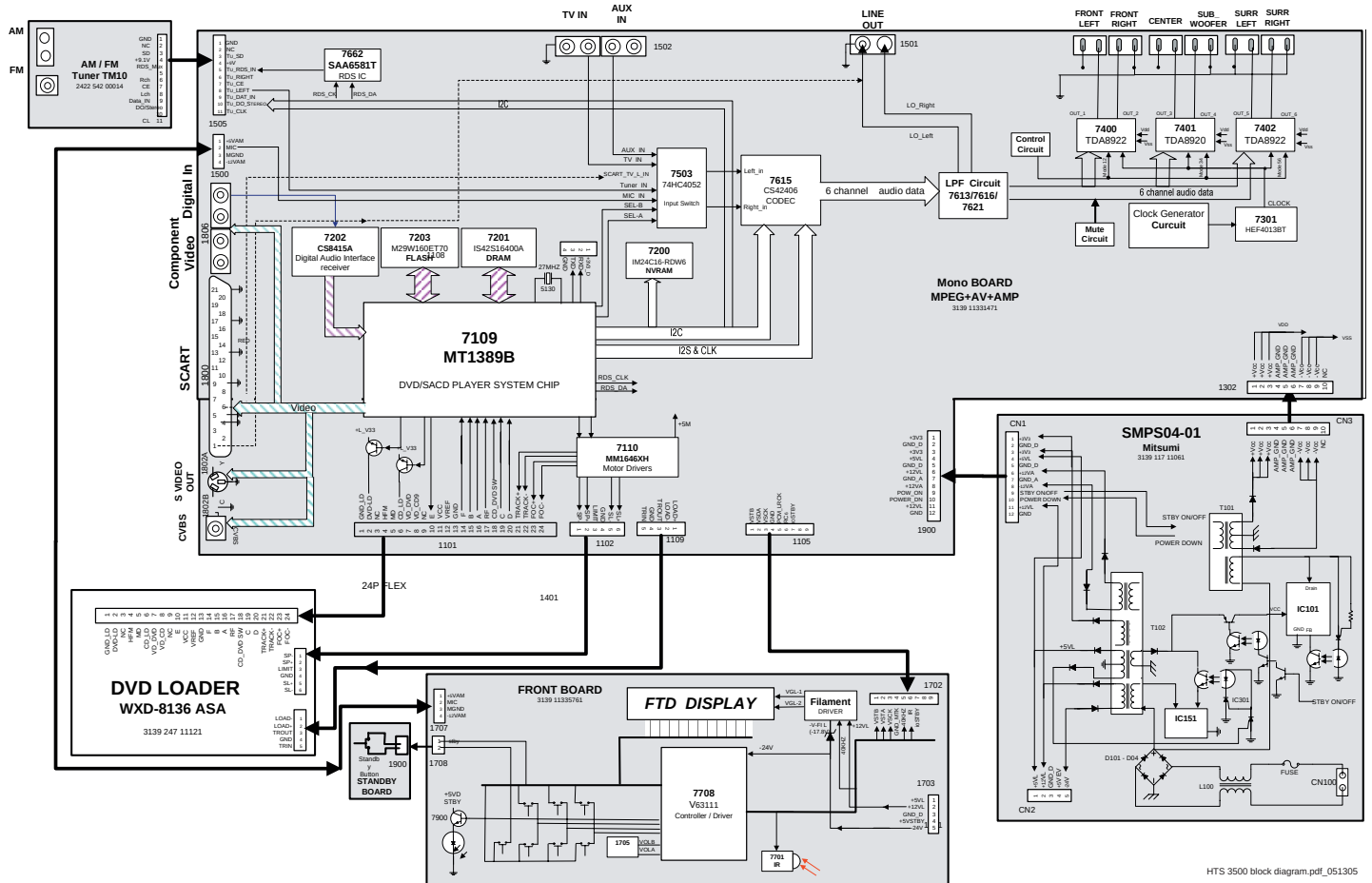
- 1) Power up the set and select DISC source.
- 2) Open tray by press and hold "STOP" button on the RC.
- 3) Then press buttons <2> <5> <9> on the RC.
- 4) The display shows 'TRA OFF' and the tray will close.
 Trade Mode is now disabled.

6. FTD Display Pin Connection



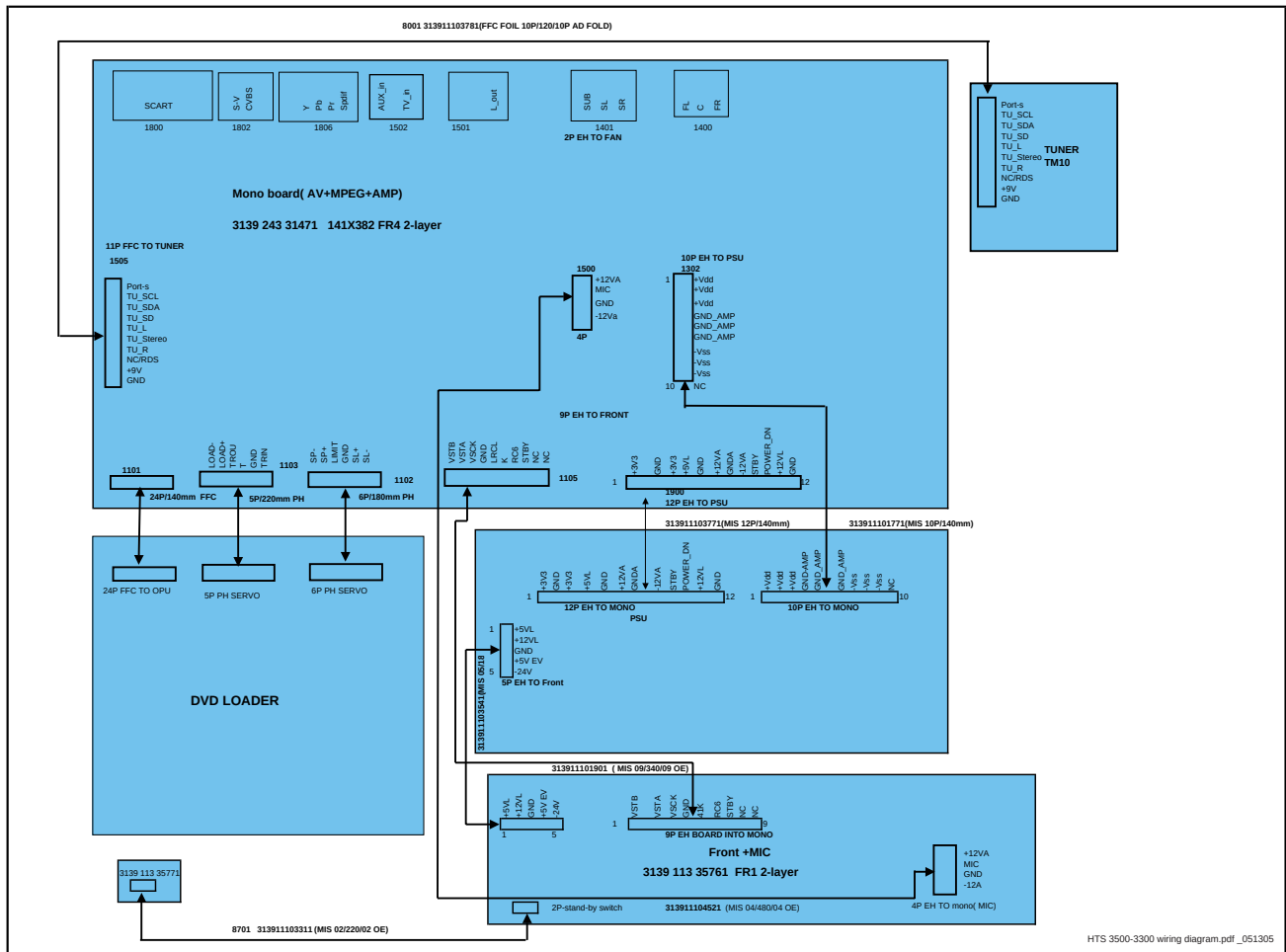
	8G	7G	6G	5G	4G	3G	2G	1G
P1	a	a	a	a	a	a	a	a
P2	j	j	j	j	j	j	j	j
P3	h	h	h	h	h	h	h	h
P4	k	k	k	k	k	k	k	k
P5	b	b	b	b	b	b	b	b
P6	f	f	f	f	f	f	f	f
P7	m	m	m	m	m	m	m	m
P8	g	g	g	g	g	g	g	g
P9	c	c	c	c	c	c	c	c
P10	e	e	e	e	e	e	e	e
P11	r	r	r	r	r	r	r	r
P12	n	n	n	n	n	n	n	n
P13	d	d	d	d	d	d	d	d
P14	col		col		col			
P15	p	p	p	p	p	p	p	p
P16	Timer		PROSCAN		PROSCAN		Timer	
P17	dp				dp			

7. Block Diagram

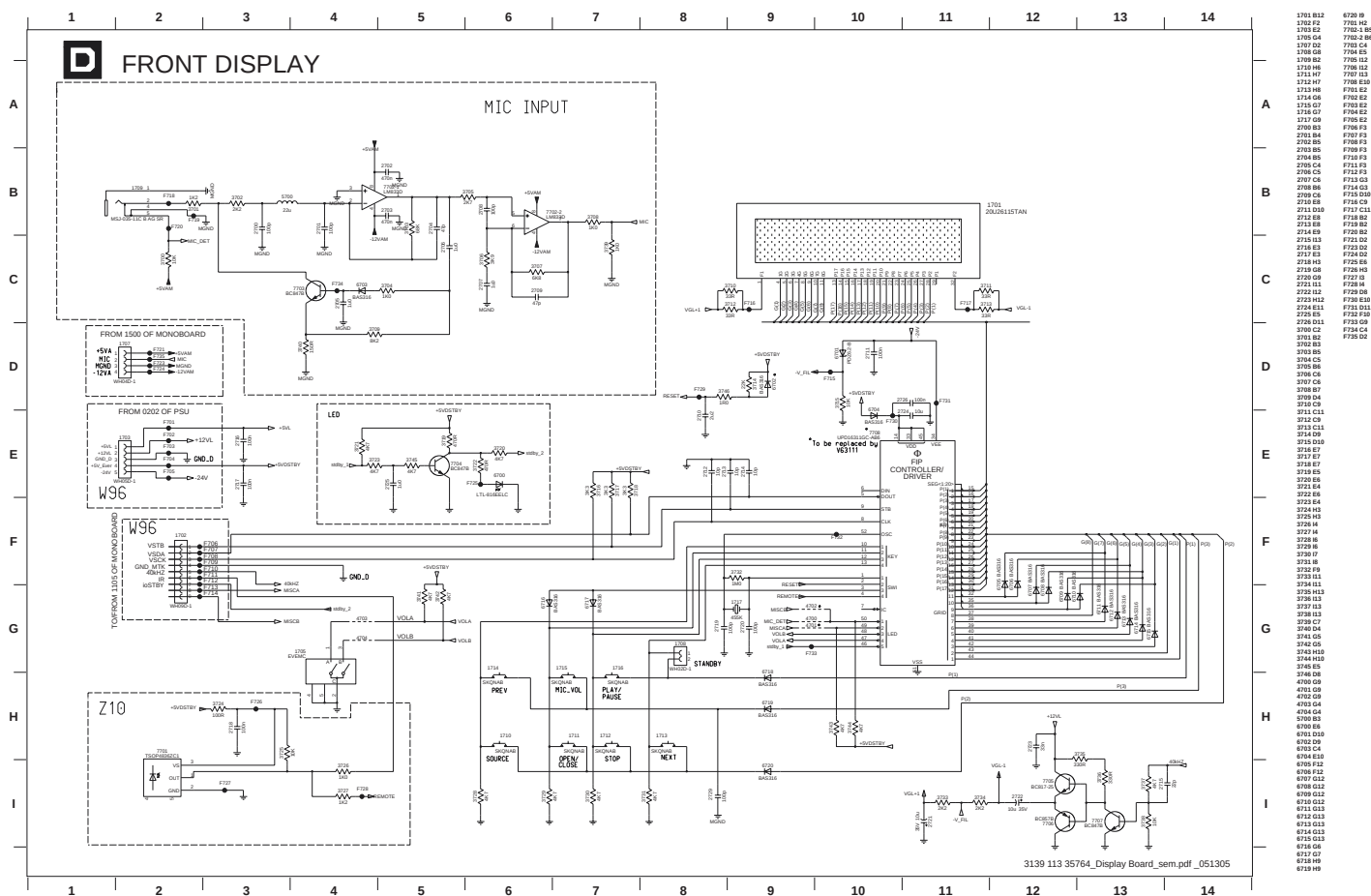


HTS 3500 block diagram.pdf_051305

Wiring Diagram



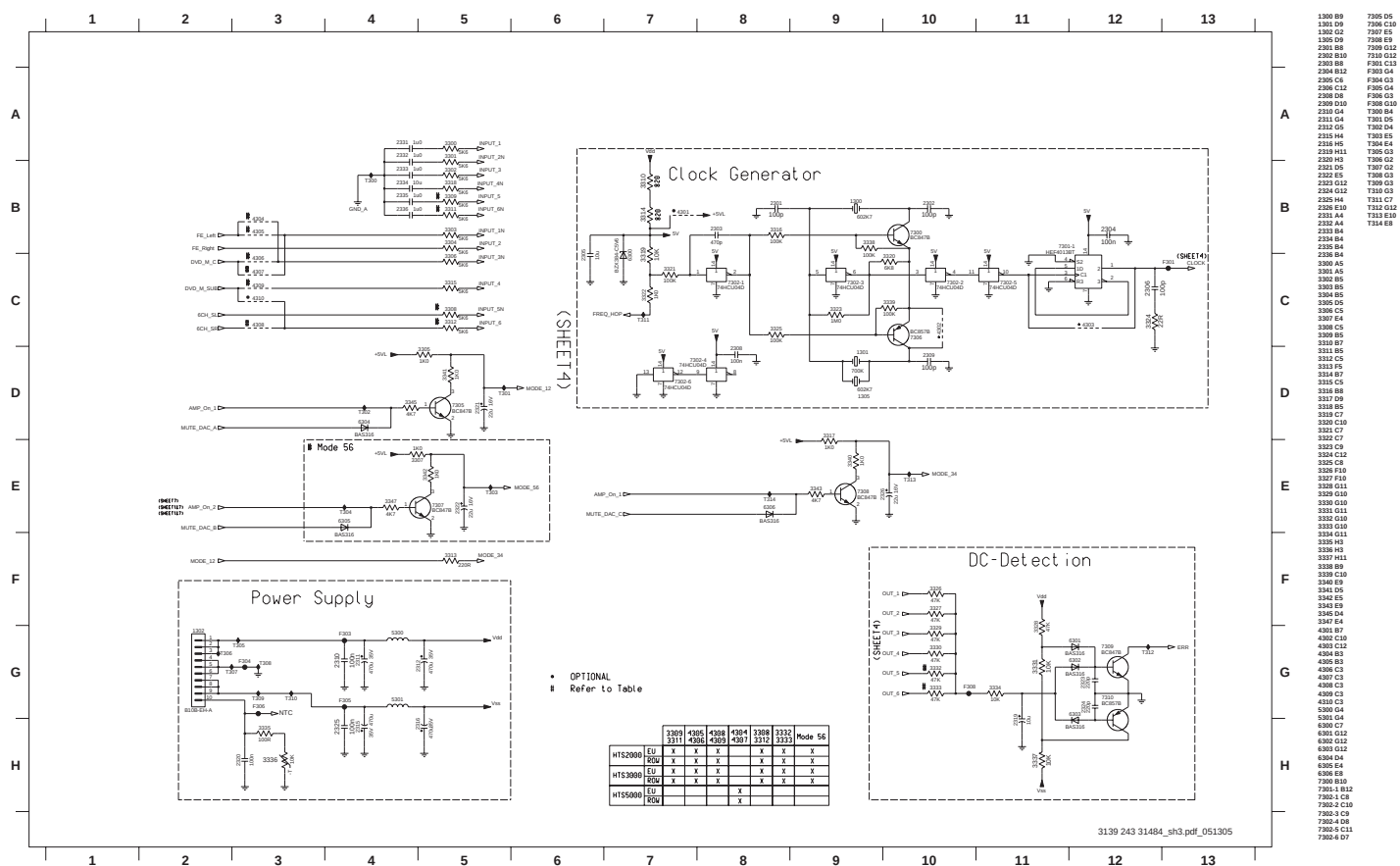
8. Front: Display



1101	21	2219	2
1102	21	2220	8
1103	21	2221	6
1104	21	2222	6
1105	21	2223	6
1106	21	2224	6
1107	21	2225	6
1108	21	2226	6
1109	21	2227	6
1110	21	2228	6
1111	21	2229	6
1112	21	2230	6
1113	21	2242	8
1114	21	2243	8
1115	21	2244	8
1116	21	2245	8
1117	21	2246	8
1118	21	2247	8
1119	21	2248	8
1120	21	2249	8
1121	21	2250	8
1122	21	2251	8
1123	21	2252	8
1124	21	2253	8
1125	21	2254	8
1126	21	2255	8
1127	21	2256	8
1128	21	2257	8
1129	21	2258	8
1130	21	2259	8
1131	21	2260	8
1132	21	2261	8
1133	21	2262	8
1134	21	2263	8
1135	21	2264	8
1136	21	2265	8
1137	21	2266	8
1138	21	2267	8
1139	21	2268	8
1140	21	2269	8
1141	21	2270	8
1142	21	2271	8
1143	21	2272	8
1144	21	2273	8
1145	21	2274	8
1146	21	2275	8
1147	21	2276	8
1148	21	2277	8
1149	21	2278	8
1150	21	2279	8
1151	21	2280	8
1152	21	2281	8
1153	21	2282	8
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1156	21	2285	8
1157	21	2286	8
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1184	21	2313	8
1185	21	2314	8
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1187	21	2316	8
1188	21	2317	8
1189	21	2318	8
1190	21	2319	8
1191	21	2320	8
1192	21	2321	8
1193	21	2322	8
1194	21	2323	8
1195	21	2324	8
1196	21	2325	8
1197	21	2326	8
1198	21	2327	8
1199	21	2328	8
1200	21	2329	8
1201	21	2330	8
1202	21	2331	8
1203	21	2332	8
1204	21	2333	8
1205	21	2334	8
1206	21	2335	8
1207	21	2336	8
1208	21	2337	8
1209	21	2338	8
1210	21	2339	8
1211	21	2340	8
1212	21	2341	8
1213	21	2342	8
1214	21	2343	8
1215	21	2344	8
1216	21	2345	8
1217	21	2346	8

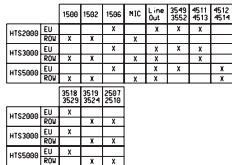
3139 243 31484 sh2.pdf 051305

Mono Board: Circuit Diagram (Part 3)

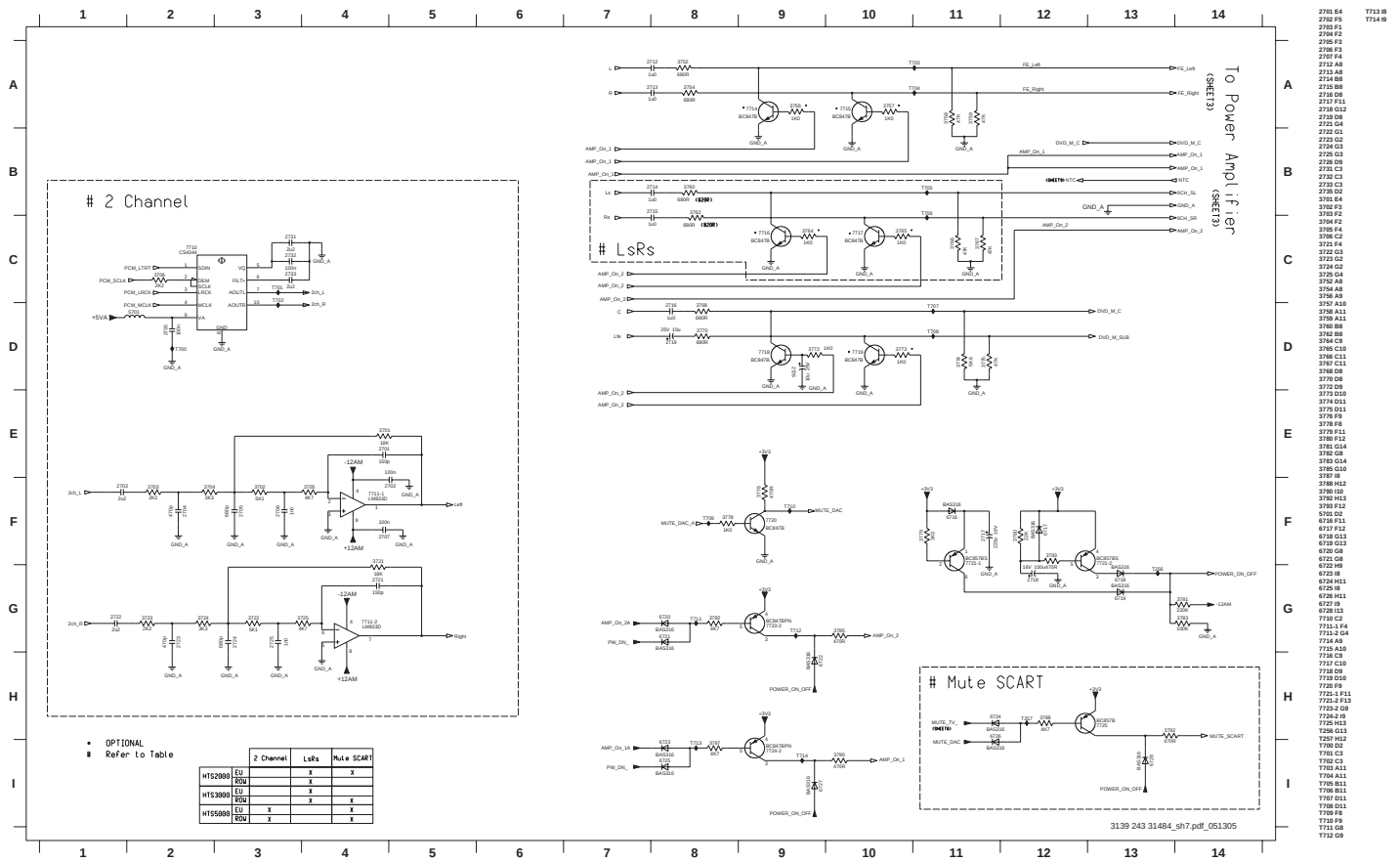


		1401 1402	1403 1404	3001	3401	Range if not
HTS2000	CU				10495/2/20	10
	ECU				10495/2/20	10
HTS3000	CU	X			10495/2/20	10
	ECU	X			10495/2/20	10
HTS5000	CU		X	X	10495/2/20	10
	ECU		X	X	10495/2/20	10

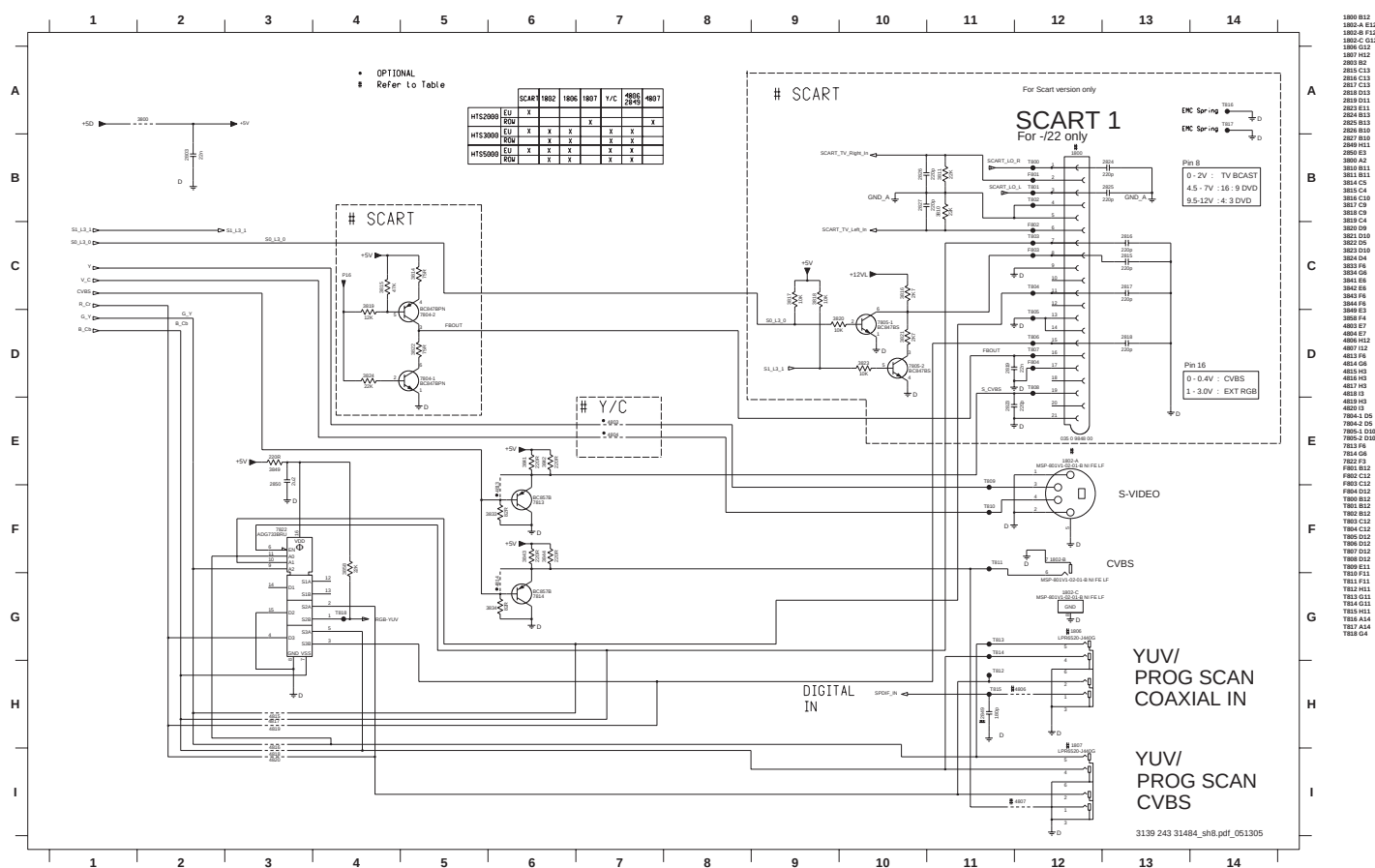
Mono Board: Circuit Diagram (Part 5)



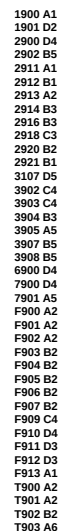
Mono Board: Circuit Diagram (Part 7)



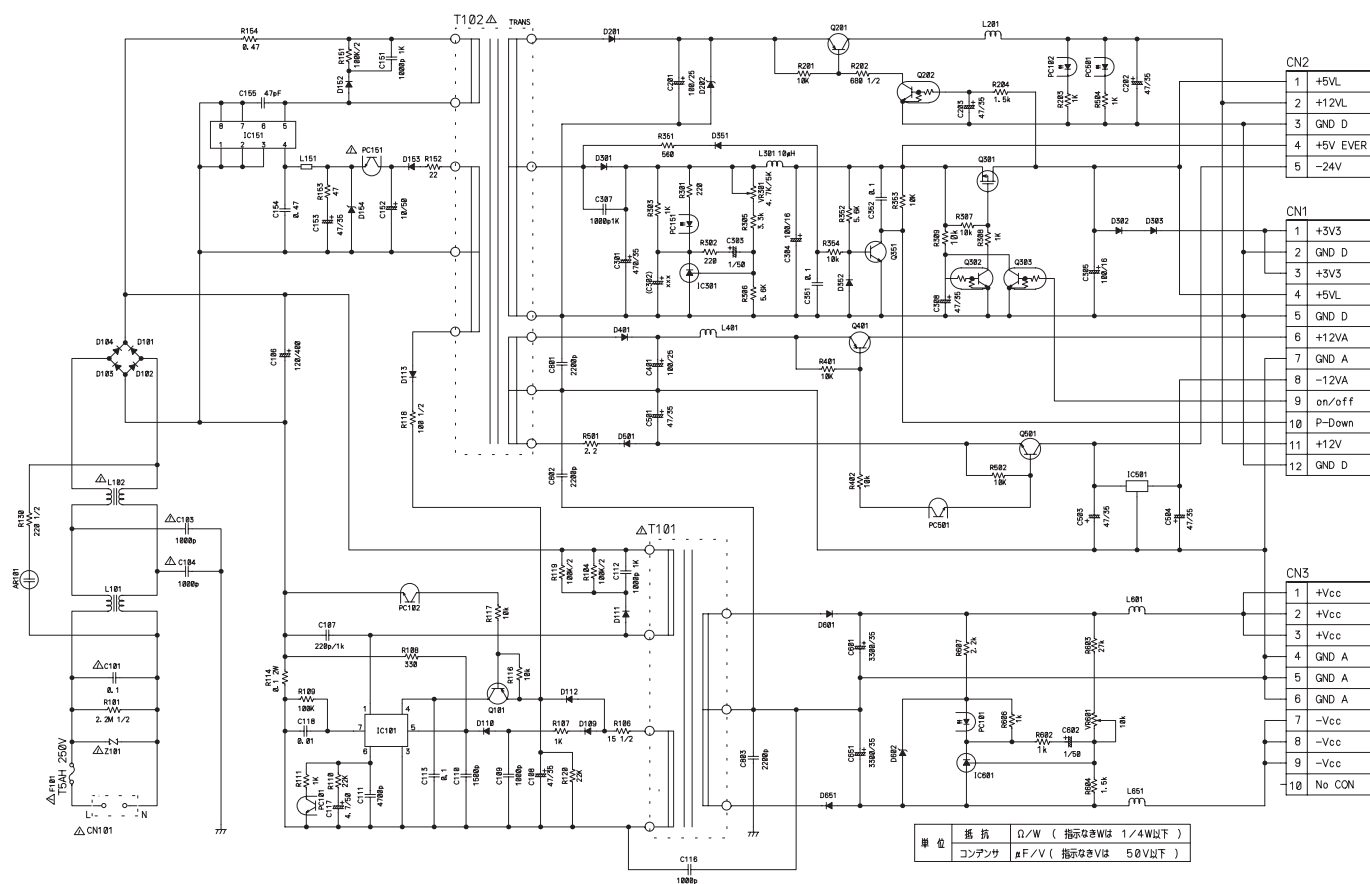
Mono Board: Circuit Diagram (Part 8)



Mono Board: Circuit Diagram (Part 9)



PSU Circuit Diagram (For information only)



(): no stuff

PSU 04-01-Circuit Diagram 1702 04.11.01.pdf_052005

HTS3610/51**MISCELLANEOUS**

0101	3139 244 08881	CAB FRONT EU PNT PRT
0102	3139 247 51831	BADGE PHILIPS ASSY SILVER
0110	3139 254 01521	COVER CD TRAY CHROME
0119	3139 244 06041	BUTTON POWER/STANDBY PNT PRT
0120	3139 244 06031	BUTTON OPEN/CLOSE PNT PRT
0124	3139 244 06021	BUTTON SET SOURCE/CTRL PNT PRT
0127	3139 254 01511	KNOB VOL CHROME
0165	3139 243 10080	CUSHION FOOT
0331	2422 076 00546	CBLE FM AERIAL 24AWG BK B
0333	3139 258 70111	REMOTE CONTROL HTS3500S EU
0336	4822 321 11499	△ MAINSCORD 2.0M - EU
0342	2422 076 00468	△ CBLE SCART 1M1 SCART 21P BK B
1010	3139 118 58362	PCBA MONO HTS2000D EU
1020	3139 247 11121	LOADER ASSY ST KHM RX
1030	3139 117 11061	△ PCBA PSU 04-01 EU (MITSUMI)
1030	3139 117 11101	△ PCBA PSU04-01-200W MITSUMI EU
1040	2422 542 00014	TUN A F ENG078VVQF EUR B
8001	3139 241 01381	FFC FOIL10P/120/10P AD FOLD

CAPACITORS

2314	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2400	2020 021 91431	ELCAP YXA 100V S 22U PM20
2408	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2411	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2412	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2416	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2420	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2427	2020 021 91431	ELCAP YXA 100V S 22U PM20
2435	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2438	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2439	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2440	4822 126 13473	220NF80-20% 50V
2443	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2447	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2454	2020 021 91431	ELCAP YXA 100V S 22U PM20
2465	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2466	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2470	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2474	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R

BOX SPK ASSY SW-3300HTS/12

9965 000 29183	HTS3300 SUBWOOFER
9965 000 28375	RUBBER FOOT
9965 000 28376	CABLE A'SSY 5.3M PURPLE SMK

RESISTORS

3210	4822 117 12662	10R X4 5%
3211	4822 117 12662	10R X4 5%
3212	4822 117 12662	10R X4 5%
3213	4822 117 12662	10R X4 5%
3214	4822 117 12662	10R X4 5%
3508	4822 052 10478	4R70 5% 0,33W

BOX SPK ASSY CS-3610HTS/12

9965 000 30387	SPEAKER BOX -M -L
9965 000 30388	SPEAKER BOX -M -R
9965 000 30389	SPEAKER BOX -S -L
9965 000 30390	SPEAKER BOX -S -R
9965 000 30392	CABLE ASSY - 6080MM WHITE
9965 000 30393	CABLE ASSY - 6080MM RED
9965 000 30394	CABLE ASSY - 16080MM BLUE
9965 000 30395	CABLE ASSY - 16080MM GREY
9965 000 30396	SPEAKER BOX - CENTRE
9965 000 30397	RUBBER FOOT (L/R SPK)
9965 000 28371	RUBBER FOOT 40.5LX6.0WX1.5T
9965 000 28367	CABLE A'SSY 5.2M GREEN SMK S

COILS & FILTERS

5101	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5104	2422 549 45618	IND FXD 0603 EMI 100MHZ 60R R
5105	2422 549 45618	IND FXD 0603 EMI 100MHZ 60R R
5106	4822 157 71206	BLM21A601SPT
5107	4822 157 71206	BLM21A601SPT
5113	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5114	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5115	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5116	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5117	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5118	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5119	4822 157 71206	BLM21A601SPT
5120	2422 549 45618	IND FXD 0603 EMI 100MHZ 60R R
5122	4822 157 71206	BLM21A601SPT
5123	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5124	3198 018 31090	FXDIND SM 0805 10U PM10 COL R
5125	3198 018 31090	FXDIND SM 0805 10U PM10 COL R
5126	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5200	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5300	4822 157 11411	100MHZ
5301	4822 157 11411	100MHZ
5400	2422 536 00822	IND FXD 16RHBP S 22U P10M20 B
5401	2422 536 00822	IND FXD 16RHBP S 22U P10M20 B
5402	2422 536 00822	IND FXD 16RHBP S 22U P10M20 B
5403	2422 536 00822	IND FXD 16RHBP S 22U P10M20 B
5404	2422 536 00822	IND FXD 16RHBP S 22U P10M20 B
5405	2422 536 00822	IND FXD 16RHBP S 22U P10M20 B
5604	2422 549 43062	IND FXD SM EMI 100MHZ 600R R

PCBA MONO HTS2000D EU**MISCELLANEOUS**

1101	2422 025 17529	CON BM H 24P F 0.50 FFC 0.3 R
1401	2422 025 18516	SOC PUSH H 6P M PUBUGY Y
1402	2422 025 18517	SOC PUSH H 6P M WHGNRD Y
1505	4822 267 10729	10FE-BT-VK-N
1506	2422 026 04754	SOC CINC H 2P F 2L1 WHRD B
1800	2422 025 18315	SOC EURO H 21P F BK L-GRND Y

DIODES

6100	4822 130 11397	BAS316
6300	3198 020 55680	DIO REG SM BZX384-C5V6 COL R
6301	4822 130 11397	BAS316
6302	4822 130 11397	BAS316
6303	4822 130 11397	BAS316
6305	4822 130 11397	BAS316
6306	4822 130 11397	BAS316
6500	4822 130 11397	BAS316
6501	9322 159 70685	DIO REG SM MM3Z9V1 (ONSE) R
6716	4822 130 11397	BAS316
6717	4822 130 11397	BAS316
6718	4822 130 11397	BAS316
6719	4822 130 11397	BAS316
6720	4822 130 11397	BAS316
6721	4822 130 11397	BAS316
6722	4822 130 11397	BAS316
6723	4822 130 11397	BAS316
6724	4822 130 11397	BAS316
6725	4822 130 11397	BAS316
6726	4822 130 11397	BAS316
6727	4822 130 11397	BAS316
6728	4822 130 11397	BAS316

TRANSISTORS & INTEGRATED CIRCUITS

7102	4822 209 17398	LD1117DT33
7104	4822 130 11565	2SB1132
7105	4822 130 11565	2SB1132
7106	9340 547 13215	FET SIG SM BSH103 (PHSE) R
7107	9340 547 13215	FET SIG SM BSH103 (PHSE) R
7108	9340 219 30115	BC817-25W
7109	9322 216 94671	IC SM MT1389FE/C-L (MEDI) Y
7110	9322 201 94668	IC SM MM1646XH (MITM) R
7112	5322 130 60159	BC846B
7201	9322 166 67668	IC SM MT48LC4M16A2TG-7E(MRN0)R
7201	9322 205 53668	IC SM A2V64S40DTP-7 (POSE) R
7201	9322 209 02668	IC SM IS42S16400B-7T (ISSI) R
7203	3139 110 53801	FLASH ASSY HTS3500
7203	9322 194 74668	IC SM M29W160ET70N6 (ST00) R
7300	5322 130 60159	BC846B
7301	5322 209 14477	HEF4013BT
7302	5322 209 11517	PC74HCU04T
7305	5322 130 60159	BC846B
7306	4822 130 60373	BC856B
7307	5322 130 60159	BC846B
7308	5322 130 60159	BC846B
7309	5322 130 60159	BC846B
7310	4822 130 60373	BC856B
7400	9352 753 45518	IC SM TDA8922BTH/N2 (PHSE) R
7401	9352 753 45518	IC SM TDA8922BTH/N2 (PHSE) R
7402	9352 753 45518	IC SM TDA8922BTH/N2 (PHSE) R
7502	4822 130 40959	BC547B
7503	5322 209 11102	HEF4052BT
7504	9340 425 20115	TRA SIG SM BC847BS (PHSE) R
7613	4822 209 30095	LM833D
7615	9322 215 93668	IC SM CS42406-CQZ (CILO) R
7616	4822 209 30095	LM833D
7619	4822 209 33411	MC78L05ACD
7621	4822 209 30095	LM833D
7720	5322 130 60159	BC846B
7721	9340 425 10115	TRA SIG SM BC857BS (PHSE) R
7723	9340 425 30115	TRA SIG SM BC847BPN (PHSE) R
7724	9340 425 30115	TRA SIG SM BC847BPN (PHSE) R

TRANSISTORS & INTEGRATED CIRCUITS

7725	4822 130 60373	BC856B
7804	9340 425 30115	TRA SIG SM BC847BPN (PHSE) R
7805	9340 425 20115	TRA SIG SM BC847BS (PHSE) R
7901	9322 144 97668	IC SM LD1117DT (ST00) R

PCBA FRONT HTS2000D EU

1010	3139 118 58602	PCBA DISPLAY HTS2000D EU
1020	3139 118 58492	PCBA STAND-BY KEY HTS3000S

**PCBA DISPLAY HTS2000D EU
MISCELLANEOUS**

1701	3139 111 04131	FTD HUV-08SS57T (LX-3900SA)
1710	4822 276 13775	SWITCH
1711	4822 276 13775	SWITCH
1712	4822 276 13775	SWITCH
1713	4822 276 13775	SWITCH
1714	4822 276 13775	SWITCH
1716	4822 276 13775	SWITCH

DIODES

6700	9322 179 76676	LED VS LTL-816EELC (LITO) A
6701	9340 548 54115	DIO REG SM PDZ6.2B (PHSE) R
6704	4822 130 11397	BAS316
6705	4822 130 11397	BAS316
6706	4822 130 11397	BAS316
6707	4822 130 11397	BAS316
6708	4822 130 11397	BAS316
6709	4822 130 11397	BAS316
6710	4822 130 11397	BAS316
6711	4822 130 11397	BAS316
6712	4822 130 11397	BAS316
6713	4822 130 11397	BAS316
6714	4822 130 11397	BAS316
6715	4822 130 11397	BAS316
6716	4822 130 11397	BAS316
6717	4822 130 11397	BAS316
6718	4822 130 11397	BAS316
6719	4822 130 11397	BAS316
6720	4822 130 11397	BAS316

TRANSISTORS & INTEGRATED CIRCUITS

7701	9322 185 95667	IR RECEIVER TSOP4836 (VISH)L
7704	5322 130 60159	BC846B
7705	4822 130 42804	BC817-25
7706	4822 130 60373	BC856B
7707	5322 130 60159	BC846B
7708	9322 217 04671	IC SM V63111LF (VAIT) Y

PCBA STAND-BY KEY HTS3000S

1901	4822 276 13775	SWITCH
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HTS3610/12**MISCELLANEOUS**

0102	3139 247 51831	BADGE PHILIPS ASSY SILVER
0110	3139 254 01521	COVER CD TRAY CHROME
0119	3139 244 06041	BUTTON POWER/STANDBY PNT PRT
0120	3139 244 06031	BUTTON OPEN/CLOSE PNT PRT
0124	3139 244 06021	BUTTON SET SOURCE/CTRL PNT PRT
0127	3139 254 01511	KNOB VOL CHROME
0165	3139 243 10080	CUSHION FOOT
0331	2422 076 00546	CBLE FM AERIAL 24AWG BK B
0333	3139 258 70111	REMOTE CONTROL HTS3500S EU
0336	4822 321 11499 △	MAINSCORD 2.0M - EU
0342	2422 076 00468 △	CBLE SCART 1M1 SCART 21P BK B
1010	3139 118 58362	PCBA MONO HTS2000D EU
1020	3139 247 11121	LOADER ASSY ST KHM RX
1030	3139 117 11101 △	PCBA PSU04-01-200W MITSUMI EU
1030	3139 117 11061 △	PCBA PSU 04-01 EU (MITSUMI)
1040	2422 542 00014	TUN A F ENG078VVQF EUR B
8001	3139 241 01381	FFC FOIL10P/120/10P AD FOLD

BOX SPK ASSY SW-3300HTS/12

9965 000 29183	HTS3300 SUBWOOFER
9965 000 28375	RUBBER FOOT
9965 000 28376	CABLE A'SSY 5.3M PURPLE SMK

BOX SPK ASSY CS-3610HTS/12

9965 000 30387	SPEAKER BOX -M -L
9965 000 30388	SPEAKER BOX -M -R
9965 000 30389	SPEAKER BOX -S -L
9965 000 30390	SPEAKER BOX -S -R
9965 000 30392	CABLE ASSY - 6080MM WHITE
9965 000 30393	CABLE ASSY - 6080MM RED
9965 000 30394	CABLE ASSY - 16080MM BLUE
9965 000 30395	CABLE ASSY - 16080MM GREY
9965 000 30396	SPEAKER BOX - CENTRE
9965 000 30397	RUBBER FOOT (L/R SPK)
9965 000 28371	RUBBER FOOT 40.5LX6.0WX1.5T
9965 000 28367	CABLE A'SSY 5.2M GREEN SMK S

PCBA MONO HTS2000D EU**MISCELLANEOUS**

1101	2422 025 17529	CON BM H 24P F 0.50 FFC 0.3 R
1401	2422 025 18516	SOC PUSH H 6P M PUBUGY Y
1402	2422 025 18517	SOC PUSH H 6P M WHGNRD Y
1505	4822 267 10729	10FE-BT-VK-N
1506	2422 026 04754	SOC CINCH H 2P F 2L1 WHRD B
1800	2422 025 18315	SOC EURO H 21P F BK L-GRND Y

CAPACITORS

2314	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2400	2020 021 91431	ELCAP YXA 100V S 22U PM20
2408	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2411	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2412	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2416	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2420	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2427	2020 021 91431	ELCAP YXA 100V S 22U PM20
2435	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2438	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2439	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2440	4822 126 13473	220NF80-20% 50V
2443	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2447	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2454	2020 021 91431	ELCAP YXA 100V S 22U PM20
2465	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2466	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2470	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R
2474	2238 600 15614	CER2 0805 X7R 100V 220P PM10 R

RESISTORS

3210	4822 117 12662	10R X4 5%
3211	4822 117 12662	10R X4 5%
3212	4822 117 12662	10R X4 5%
3213	4822 117 12662	10R X4 5%
3214	4822 117 12662	10R X4 5%
3508	4822 052 10478	4R70 5% 0,33W

COILS & FILTERS

5101	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5104	2422 549 45618	IND FXD 0603 EMI 100MHZ 60R R
5105	2422 549 45618	IND FXD 0603 EMI 100MHZ 60R R
5106	4822 157 71206	BLM21A601SPT
5107	4822 157 71206	BLM21A601SPT
5113	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5114	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5115	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5116	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5117	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5118	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5119	4822 157 71206	BLM21A601SPT
5120	2422 549 45618	IND FXD 0603 EMI 100MHZ 60R R
5122	4822 157 71206	BLM21A601SPT
5123	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5124	3198 018 31090	FXDIND SM 0805 10U PM10 COL R
5125	3198 018 31090	FXDIND SM 0805 10U PM10 COL R
5126	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5200	2422 549 43062	IND FXD SM EMI 100MHZ 600R R
5300	4822 157 11411	100MHZ
5301	4822 157 11411	100MHZ
5400	2422 536 00822	IND FXD 16RHBP S 22U P10M20 B
5401	2422 536 00822	IND FXD 16RHBP S 22U P10M20 B
5402	2422 536 00822	IND FXD 16RHBP S 22U P10M20 B
5403	2422 536 00822	IND FXD 16RHBP S 22U P10M20 B
5404	2422 536 00822	IND FXD 16RHBP S 22U P10M20 B
5405	2422 536 00822	IND FXD 16RHBP S 22U P10M20 B
5604	2422 549 43062	IND FXD SM EMI 100MHZ 600R R

DIODES

6100	4822 130 11397	BAS316
6300	3198 020 55680	DIO REG SM BZX384-C5V6 COL R
6301	4822 130 11397	BAS316
6302	4822 130 11397	BAS316
6303	4822 130 11397	BAS316
6305	4822 130 11397	BAS316
6306	4822 130 11397	BAS316
6500	4822 130 11397	BAS316
6501	9322 159 70685	DIO REG SM MM3Z9V1 (ONSE) R
6716	4822 130 11397	BAS316
6717	4822 130 11397	BAS316
6718	4822 130 11397	BAS316
6719	4822 130 11397	BAS316
6720	4822 130 11397	BAS316
6721	4822 130 11397	BAS316
6722	4822 130 11397	BAS316
6723	4822 130 11397	BAS316
6724	4822 130 11397	BAS316
6725	4822 130 11397	BAS316
6726	4822 130 11397	BAS316
6727	4822 130 11397	BAS316
6728	4822 130 11397	BAS316

TRANSISTORS & INTEGRATED CIRCUITS

7102	4822 209 17398	LD1117DT33
7104	4822 130 11565	2SB1132
7105	4822 130 11565	2SB1132
7106	9340 547 13215	FET SIG SM BSH103 (PHSE) R
7107	9340 547 13215	FET SIG SM BSH103 (PHSE) R
7108	9340 219 30115	BC817-25W
7109	9322 216 94671	IC SM MT1389FE/C-L (MEDI) Y
7110	9322 201 94668	IC SM MM1646XH (MITM) R
7112	5322 130 60159	BC846B
7201	9322 166 67668	IC SM MT48LC4M16A2TG-7E(MRN0)R
7201	9322 205 53668	IC SM A2V64S40DTP-7 (POSE) R
7201	9322 209 02668	IC SM IS42S16400B-7T (ISSI) R
7203	3139 110 53801	FLASH ASSY HTS3500
7203	9322 194 74668	IC SM M29W160ET70N6 (ST00) R
7300	5322 130 60159	BC846B
7301	5322 209 14477	HEF4013BT
7302	5322 209 11517	PC74HCU04T
7305	5322 130 60159	BC846B
7306	4822 130 60373	BC856B
7307	5322 130 60159	BC846B
7308	5322 130 60159	BC846B
7309	5322 130 60159	BC846B
7310	4822 130 60373	BC856B
7400	9352 753 45518	IC SM TDA8922BTH/N2 (PHSE) R
7401	9352 753 45518	IC SM TDA8922BTH/N2 (PHSE) R
7402	9352 753 45518	IC SM TDA8922BTH/N2 (PHSE) R
7502	4822 130 40959	BC547B
7503	5322 209 11102	HEF4052BT
7504	9340 425 20115	TRA SIG SM BC847BS (PHSE) R
7613	4822 209 30095	LM833D
7615	9322 215 93668	IC SM CS42406-CQZ (CILO) R
7616	4822 209 30095	LM833D
7619	4822 209 33411	MC78L05ACD
7621	4822 209 30095	LM833D
7720	5322 130 60159	BC846B
7721	9340 425 10115	TRA SIG SM BC857BS (PHSE) R
7723	9340 425 30115	TRA SIG SM BC847BPN (PHSE) R
7724	9340 425 30115	TRA SIG SM BC847BPN (PHSE) R

TRANSISTORS & INTEGRATED CIRCUITS

7725	4822 130 60373	BC856B
7804	9340 425 30115	TRA SIG SM BC847BPN (PHSE) R
7805	9340 425 20115	TRA SIG SM BC847BS (PHSE) R
7901	9322 144 97668	IC SM LD1117DT (ST00) R

PCBA FRONT HTS2000D EU

1010	3139 118 58602	PCBA DISPLAY HTS2000D EU
1020	3139 118 58492	PCBA STAND-BY KEY HTS3000S

**PCBA DISPLAY HTS2000D EU
MISCELLANEOUS**

1701	3139 111 04131	FTD HUV-08SS57T (LX-3900SA)
1710	4822 276 13775	SWITCH
1711	4822 276 13775	SWITCH
1712	4822 276 13775	SWITCH
1713	4822 276 13775	SWITCH
1714	4822 276 13775	SWITCH
1716	4822 276 13775	SWITCH

DIODES

6700	9322 179 76676	LED VS LTL-816EELC (LITO) A
6701	9340 548 54115	DIO REG SM PDZ6.2B (PHSE) R
6704	4822 130 11397	BAS316
6705	4822 130 11397	BAS316
6706	4822 130 11397	BAS316
6707	4822 130 11397	BAS316
6708	4822 130 11397	BAS316
6709	4822 130 11397	BAS316
6710	4822 130 11397	BAS316
6711	4822 130 11397	BAS316
6712	4822 130 11397	BAS316
6713	4822 130 11397	BAS316
6714	4822 130 11397	BAS316
6715	4822 130 11397	BAS316
6716	4822 130 11397	BAS316
6717	4822 130 11397	BAS316
6718	4822 130 11397	BAS316
6719	4822 130 11397	BAS316
6720	4822 130 11397	BAS316

TRANSISTORS & INTEGRATED CIRCUITS

7701	9322 185 95667	IR RECEIVER TSOP4836 (VISH)L
7704	5322 130 60159	BC846B
7705	4822 130 42804	BC817-25
7706	4822 130 60373	BC856B
7707	5322 130 60159	BC846B
7708	9322 217 04671	IC SM V63111LF (VAIT) Y

PCBA STAND-BY KEY HTS3000S

1901	4822 276 13775	SWITCH
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