AT3705
Service Guide

Service guide files and updates are available on the AIPG/CSD web; for more information, please refer to http://csd.acer.com.tw

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Revision History

Please refer to the table below for the updates made on AT3705 service guide.

Date	Chapter	Updates

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Conventions

The following conventions are used in this manual:

Screen messages	Denotes actual messages that appear on screen.
NOTE	Gives bits and pieces of additional information related to the current topic.
WARNING	Alerts you to any damage that might result from doing or not doing specific actions.
CAUTION	Gives precautionary measures to avoid possible hardware or software problems.
IMPORTANT	Reminds you to do specific actions relevant to the accomplishment of procedures.

Preface

Before using this information and the product it supports, please read the following general information.

1. This Service Guide provides you with all technical information relating to the BASIC CONFIGURATION decided for Acer's "global" product offering. To better fit local market requirements and enhance product competitiveness, your regional office MAY have decided to extend the functionality of a machine (e.g. add-on card, modem, or extra memory capability). These LOCALIZED FEATURES will NOT be covered in this generic service guide. In such cases, please contact your regional offices or the responsible personnel/channel to provide you with further technical details.
2. Please note WHEN ORDERING FRU PARTS, that you should check the most up-to-date information available on your regional web or channel. If, for whatever reason, a part number change is made, it will not be noted in the printed Service Guide. For ACER-AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code to those given in the FRU list of this printed Service Guide. You MUST use the list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

System Specifications

Introduction

This chapter describes the product specification for the LCD TV AT3705

Model	AT3705-MGW	AT3705-DTV
Panel spec		
Panel manufacturer	CMO	CMO
Panel model name	V370H1-L01	V370H1-L01
Technology	Super MVA	Super MVA
Resolution	1920x1080	1920x1080
Brightness (typ.)	550 nits	550 nits
Contrast Ratio (typ.)	800:1	800:1
Display color	16.7 M	16.7 M
Viewing Angle (typ.)	H:176 ; V:176	H:176 ; V:176
Response Time (typ.)	12 ms (Gray to Gray)	12 ms (Gray to Gray)
Power Supply		
Input	100V~240V-AC.	100V~240V-AC.
Max.Power Consumption	280W	280W
Power Saving	5W	5W
Mechanical		
Dimensions (WxHxD mm)	1018 (L) x 616 (H) x 210 (W) mm	1018 (L) x 616 (H) x 210 (W) mm
Weight (Kg)	36.0	36.0
Weight (lb)	79.3	79.3
Gross Weight (Kg)	42	42
Gross Weight (lb)	92.6	92.6
Wall Mounting	400mm x 200mm	400mm x 200mm
Mechanical		
Dimensions (WxHxDmm)	1185 x 724 x 285	1185 x 724 x 285
Weight (Kg)	36.0 kg	36.0 kg
Weight (lb)	79.3 lb	79.3 lb
Gross Weight (Kg)	42kg	42kg
Gross Weight (lb)	92.6 lb	92.6 lb
Wall Mounting	400mm x 200mm	400mm x 200mm
Analog TV system		
TV Color system	NTSC	NTSC
Sound system	M	M
Stereo system	BTSC/ A2	BTSC/ A2
Analog TV Tuner quantity	1	1
Digital TV system		
Digital TV Standard	DVB-T	DVB-T
Sound system		

Model	AT3705-MGW	AT3705-DTV
	ISO11172-3 layer1 & layer2 32KHz,44.1KHz,48KHz	ISO11172-3 layer1 & layer2 32KHz,44.1KHz,48KHz
Stereo system	Dolby AC3 / PCM / MPEG (Layer I & II) Stereo 32 / 44.1 / 48KHz	Dolby AC3 / PCM / MPEG (Layer I & II) Stereo 32 / 44.1 / 48KHz
SPDIF	2/4/6 Channel	2/4/6 Channel
Teletext	Yes	Yes
Subtitle	Yes	Yes
EPG	7days EPG	7days EPG
Frequency	6 MHz	6 MHz
Video format	16bit YUV	16bit YUV
Resolution	SD(480i)	SD(480i)
Digital TV Tuner quantity	1	1
Audio system		
Speaker	15W+15W	15W+15W
Audio Enhancement	"BBE, SRS WOW"	"BBE, SRS WOW"
Digital Audio	Dolby Digital	Dolby Digital
Terminal		
Analog Tuner In	Yes	Yes
Digital Tuner In	Yes	Yes
Component1(HD) in	"YPbPr/YCbCr,Audio R/L"	"YPbPr/YCbCr,Audio R/L"
Component2(HD) in	"YPbPr/YCbCr,Audio R/L"	"YPbPr/YCbCr,Audio R/L"
Component3(HD) in	"YPbPr/YCbCr,Audio R/L"	"YPbPr/YCbCr,Audio R/L"
AV1 in	"CVBS, S Video, Audio R/L"	"CVBS, S Video, Audio R/L"
AV2 in	"CVBS, S Video, Audio R/L"	"CVBS, S Video, Audio R/L"
AV3 in	"CVBS, S Video, Audio R/L"	"CVBS, S Video, Audio R/L"
AV4 in	"CVBS, S Video, Audio R/L"	"CVBS, S Video, Audio R/L"
AV5 in	"CVBS, Audio R/L"	"CVBS, Audio R/L"
AV out	"Analogy TV-CVBS out, Audio R/L"	"Analogy TV-CVBS out, Audio R/L"
SPDIF out	Yes	Yes
DVI-D in	yes (with HDCP)	yes (with HDCP)
HDMI in	yes (with HDCP)	yes (with HDCP)
PC D-sub in	Yes	Yes
PC Audio in	Yes	Yes
Headphone out	Yes	Yes
RJ45 in	Yes	NA
Media Gateway		
Card Reader	"CF, MMC, MS, MS PRO, SD,"	NA
Audio	"LPCM, MP3, WMA7/8/9, WAV"	NA
Video	"MPEG1/2/4, DivX, XViD, WMV9, Quicktime (*.mp4);"	NA
Video(HD)	"MPEG2 (up to 1080i), MPEG4 (720p), WMV9 (720p)"	NA
Photo	"JPEG, TIFF, BMP, GIF, PNG"	NA
Playlist	"M3U, PLS"	NA

Model	AT3705-MGW	AT3705-DTV
On-line media	Live365	NA
Compliance	"UPnP compliant, INMPR compliant, DLNA"	NA
Operating system	Linux	NA
Networking (WLAN)	802.11b/g: 11/54Mbps	NA
Networking (Fast Ethernet)	10/100Mbps	NA

Abbreviations / symbols

The main abbreviations used in this document are listed below with their meanings:

CCIR	International Radio consultative committee
CVBS	Composite Video Baseband Signal
dBm	dB milliWatt
dBµV	dB microVolt
DAR	Display Aspect Ratio
DV	Digital Video
DVI	Digital Video Interface
ESD	Electro Static Discharges
FP	Front panel keypad
IC	Integrated Circuit
IF	Intermediate Frequency
IR	Infra Red
KP	Keypad
MN	Menu
MTBF	Mean Time Between Failure
OIRT	International Radio and Television Organization
OSD	On Screen Display
PLL	Phase Locked Loop
PIP	Picture-in-Picture
PAP	Picture And Picture
RC	Remote Control
RF	Radio Frequency
RGB	Video Components : Red / Green / Blue
SCART	21 pins SCART plug
SWR	Standing Wave Ratio
TBD	To Be Defined
TV	Television Set
VBI	Vertical Blanking Interval
VCR	Video Cassette Recorder

VESA	Video Electronics Standard Association
VGA	Video Graphics Array
VHF/ UHF	Very High Frequency / Ultra High Frequency
Y/C	S-Video signals : Luminance / Chrominance
YprPb	Video Components : Luminance / R-Y / B-Y
FB	Fast Blanking
SB	Slow Blanking
USB	Universal Serial Bus
HDMI	High-definition multimedia interface
HDCP	High bandwidth digital content protection

ELECTRO / OPTICAL

1) Size of screen	37 inches	
2) LCD Panel supplier	CMO, AUO	
3) Screen aspect ratio	16:9	
4) Type of screen	TFT with Super MVA technology or SIPS or QSV.	
5) Screen resolution	1920 x 1080	
6) Display colors	16.7 M colors (8 real bits per color)	
7) Chromaticity	Red	0.646 0.332
	Green	0.269 0.600
	Blue	0.142 0.072
	White	0.285 0.293
	(data from CMO panel specification)	

8) Color temperature:

Five modes are adjustable,

Cold	16,000 degree K
Middle-cold	14,000 degree K
Standard	12,000 degree K
Middle-warm	10,000 degree K
Warm	8,000 degree K

9) White uniformity	± 5% of the white average color temperature at 100% luminance
10) White dispersion	± 5% of the white color temperature desired at 100% luminance
11) Brightness	500 Cd/m^2 (typical)
12) Contrast	450 :1 (typical)
13) Uniformity	≥ 85 % (white and color uniformity measured on 9 points)

14) Overscan video source is with overscan supported
graphic source is without overscan supported

15) Vision angle ultra wide viewing angle: 176(H),176(V) (CR>20)

16) Gamma the gamma value (global value) must be between 2.2 and 2.6 measured from DVI

17) Response time (T_R / T_F) ≤ 16ms (data is provided from CMO panel specification)

18) Screen (lamp + LCD) life > 50,000 hrs at nominal backlight intensity

19) CCFL backlight 20

20) Panel interface 2-ch LVDS

MAINS

1) Power Supply Electrical Specifications

The power supply for this product is an internal converter, with a non-replaceable fuse internally. This converter is designed to meet CE mark requirement.

Input Voltage and Frequency Range

The operating range of line voltage is:

AC 90volts to 264volts, 47HZ to 63HZ
Power comsuption is under 280Watts

Line Fuse

The AC input is fused and becomes electrically open as a result of an unsafe current condition. This fuse is inside the power supply converter and is not user replaceable, and must be returned for replacement. This fuse is well selected to handle inrush current for all combinations of line voltage and frequency.

2) Standby consumption < 5 W

3) Power consumption < 280 W

4) Mains disturbance behavior

no disjunction during 0 to 40ms mains interrupt, with max load, min mains voltage
No software reboot during the test.
No over voltage causing any damage during mains interrupt (0 to any time)

5) Inverter

The inverter which is used to light up back-light of LCD panel is well designed to meet requirement of panel's specification.

ACOUSTICAL / AUDIO

1) Audio power amplifier	2 x 12W rms on 8ohm load impedance.
2) Loudspeakers	Attachable ,(1 x full range + 1 x sub-woofer speakers) x 2
3) Loudspeaker performances	Max. Audio output (at 10% THD max.) at 1.0Vp-p / 1kHZ input : 15W +15W Sound Distortion at 1W/1kHZ : 1% THD max. Speaker : Two of 15W Speaker impedance : 8 ohms at 1kHZ Residual Hum at Min. Volume : 500uW Max. Max. Hum at Max. Volume : 1000uW Max.
4) Analog TV Audio modes	AM/FM mono, stereo, sound1, sound2.
5) Audio Enhancement	Stereo SRS WOW BBE * audio enhancements effect is audible at 5M in front of the screen
6) Acoustical noise (completeTV)	audible noise in standby mode < 35dBA (ISO-7779) audible noise in power ON mode < 35dBA (ISO-7779) parasitic noise due to mechanical vibration during audio sweep must be inaudible at 1m around the TV .

HARD / SOFT PERFORMANCES

1) Supported Languages — Czech, Danish, Dutch, English, French, German, Italian, Polish, Portuguese, Russian, Spanish, Swedish

2) Starting time — A correct picture (color, aspect ratio, stability) can be displayed < 6 sec after Power ON

3) Wake-up behavior — The system can be waken up if the button Standby is pressed (keypad 'power' or remote control 'power', '0~9', 'CH+/-')

4) Stand-by reason — The TV pass in standby mode upon :

- The button 'power' is pressed (keypad or remote control)
- On the selected source: no sync signal after 8 mins.

5) Analog tuner performances

No.	PARAMETER		MIN	TYP	MAX	UNIT	NOTE
1	Video output level		0.7	1.0	1.3	Vp-p	
2	Video S/N		40	45	---	dB	
3	Noise limiting		---	38	45	dbuV	
4	Video frequency characteristics	2Mhz		0.0	-1.5	dB	
		3Mhz		-0.5	-2.5	dB	
		3.58Mhz		-1.0	-4.0	dB	
5	Audio output level		0.350	0.450	0.550	Vrms	
6	Audio S/N		50	63	---	dB	
7	Frequency Range		48.25		863.25	MHZ	

Note : data is provided from tuner specification

6) DVBT module management — Ref to AD6 module specification

7) Scanning mode	Automatic:	Multistandard, frequency based
	Manual :	Frequency setting is available.
8) Analog TV Naming function	Automatic :	CNI recognition
	Manual :	5 Characters

9) PIP/POP/PBP function

PIP

PIP multiple size	20%, 30%
PIP multiple position	4 corners

POP

POP source	video/graphic(main) by ATV(sub)
POP(main + sub)	1+5 , 1+12

In PIP/POP/PBP mode, de-interlacer does not support to 1080i.

PIP/PBP

1. Support Video by Video
2. Support Video by Graphic (support Graphic signal up to 1080i and No deinterlacer in 1080i)
3. No Auto SCART is supported
4. VGA and DVI can only support up to 1024x768@60Hz

Note

- Video includes: ATV, SCART1-4 (CVBS and S-Video), AV1, AV2 and DTV.
- Graphic includes: component1, component2, MGW/CardReader, VGA, DVI and HDMI.

Main / Sub	TV	SCART1	SCART2	SCART3	SCART4	Component 1	Component 2	AV1	AV2	DTV	MGW /Card	VGA	DVI	HDMI
TV	×	●	●	●	●	●	●	●	●	●	●	●	●	●
SCART1	●	×	●	●	●	●	●	●	●	●	●	●	●	●
SCART2	●	●	×	●	●	●	●	●	●	●	●	●	●	●
SCART3	●	●	●	×	●	●	●	●	●	●	●	●	●	●
SCART4	●	●	●	●	×	●	●	●	●	●	●	●	●	●
Component 1	×	×	×	×	×	×	×	×	×	×	×	×	×	×
Component 2	×	×	×	×	×	×	×	×	×	×	×	×	×	×
AV1	●	●	●	●	●	●	●	×	●	●	●	●	●	●
AV2	●	●	●	●	●	●	●	●	×	●	●	●	●	●
DTV	●	●	●	●	●	●	●	●	●	×	●	●	●	●
MGW/Card	×	×	×	×	×	×	×	×	×	×	×	×	×	×
VGA	●	●	●	●	●	×	×	●	●	●	×	×	×	×
DVI	●	●	●	●	●	×	×	●	●	●	×	×	×	×
HDMI	●	●	●	●	●	×	×	●	●	●	×	×	×	×

(table of PIP & PBP)

POP:

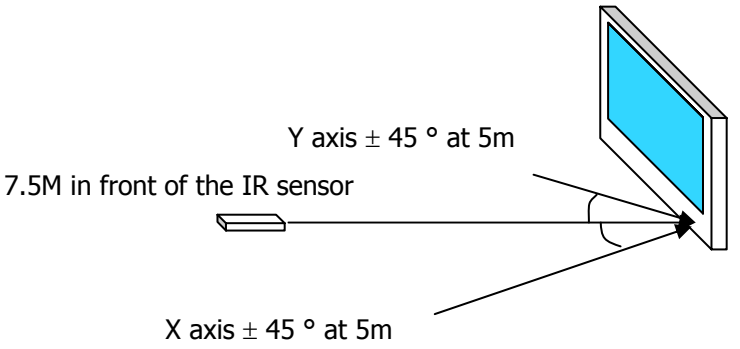
1. POP sub window only support Analog TV
2. No Auto SCART supported in POP mode
3. In POP12 Mode, support Component 1, 2 (up to 1080i) and MGW/Card Reader (up to 1080i), VGA/DVI (up to 1024x768@60Hz) and HDMI (up to 1080i)
4. In POP5 Mode, No MGW/Card Reader, VGA, DVI and HDMI supported[2].
5. Component 1, 2 can support up to 720P in POP5 mode[1].

Main / Sub	TV	SCART1	SCART2	SCART3	SCART4	Component 1	Component 2	AV1	AV2	DTV	MGW/Card	VGA	DVI	HDMI
TV	×	●	●	●	●	●[1]	●[1]	●	●	●	●[2]	●[2]	●[2]	●[2]
SCART1	×	×	×	×	×	×	×	×	×	×	×	×	×	×
SCART2	×	×	×	×	×	×	×	×	×	×	×	×	×	×
SCART3	×	×	×	×	×	×	×	×	×	×	×	×	×	×
SCART4	×	×	×	×	×	×	×	×	×	×	×	×	×	×
Component 1	×	×	×	×	×	×	×	×	×	×	×	×	×	×
Component 2	×	×	×	×	×	×	×	×	×	×	×	×	×	×
AV1	×	×	×	×	×	×	×	×	×	×	×	×	×	×
AV2	×	×	×	×	×	×	×	×	×	×	×	×	×	×
DTV	×	×	×	×	×	×	×	×	×	×	×	×	×	×
MGW/Card	×	×	×	×	×	×	×	×	×	×	×	×	×	×
VGA	×	×	×	×	×	×	×	×	×	×	×	×	×	×
DVI	×	×	×	×	×	×	×	×	×	×	×	×	×	×
HDMI	×	×	×	×	×	×	×	×	×	×	×	×	×	×

(table of POP)

10) TTX Level	FLOF level 1.5. Source can be RF, DVBT or AV. TTX characters set must follow the country language selection.
11) TTX keys function	Full screen, Subtitle, Hold, Size, 4 Color keys (R, G, Y, B)
12) Video standard supported	PAL, SECAM (automatic detection) PAL (4.43 M, 50 Hz) B、G、D、K、H、I SECAM L
13) Video ADC and processing	10 bits (chroma and luma) Luma / chroma AGC, 10 bits processing, Noise reduction, Chroma transcient improvement, Luma transcient improvement, 3D Comb filter, De-interlacer.
14) Time to synchronize	during a source / channel change, within 4 sec to obtain a stable Display
15) Video management	User adjustments: Contrast, Brightness, Color, Tint (NTSC), Sharpness Color Temperature: cold, middle-cold, Standard, middle-warm, warm
16) Aspect ratio	Aspect ratio available for all the video sources. 4/3, 16/9, panorama, letterbox1, letterbox2, letterbox3. Note: PC & DVI only support 4/3 & 16/9
17) Scenario functions	Settings: Standard, movie, sport, concert, game, user Noise reduction: Off, Low, Middle, High

18) Audio management	User adjustments:	Volume, Balance, Bass, Treble, MUTE, MONO/STEREO/Sound1/Sound2
19) Audio enhancement	Stereo, SRS WOW, BBE	
20) AV sub-format supported	CVBS, YC, RGB, YUV	
21) Copy protection management	HDCP (HDMI)	
22) MGW module	Ref to Alpha MGW's specification	
23) Card reader function	Ref to Alpha MGW's specification	
24) IR performances	The reception distance indicate the distance between IR emitter and receptor which allow to recognize 85% or more IR frames. Reception distance : > 7.5 M perpendicular to the IR sensor > 5 M at 45° horizontally > 5 M at 45° vertically	



INPUTS / OUTPUTS

1) RF

75 ohms input , according to CE regulation.

2) AV (SCART INPUT)

2 RGB SCART

Input signals: RGB CVBS, Left Right

Those inputs can be use in RGB mode or CVBS mode.

2 S-video SCART

Input signals: RGB CVBS, Left Right

Those inputs can be use in CVBS mode or YC mode.

3) AV (SCART OUTPUT)

Output signals: TV CVBS out, Left Right

4) AV LEVEL Compatibility

VIDEO

Type :	CVBS/Analog
Polarity :	Positive
Level :	1Vp-p (with Sync.)
Impedance :	75Ω± 5%
Interface :	1) RCA jack, Yellow color
	2) Euro_SCART, Black

Type :	YC/analog
Level :	Y : 1Vp-p (with Sync.) C : 0.286Vp-p
Impedance :	75Ω± 5%
Interface :	1) mini-DIN jack, black color
	2) Euro_SCART, Black

Type :	RGB/analog
Polarity:	Positive
Level:	0.7 Vp-p
Impedance:	75Ω ± 5 %
Interface:	Euro-SCART

Type : YUV/analog
Polarity : Positive
Level : Y : 1Vp-p (with Sync.) U/V : 0.286Vp-p
Impedance : 75Ω± 5%
Interface : RCA jack,
Y : Green color
U : Blue color
V : Red color

Type : TV CVBS output/analog
output Level : 2Vp-p (with Sync.)
Interface : 1) RCA jack, Yellow color
2) Euro_SCART, Black

AUDIO

Type: PC line in (Stereo R/L Channels)
Level: 500 mVrms
Impedance: More than 22Kohm
Interface: 3.5mm Stereo jack, bluish color

Type : Stereo R/L Channels
Level : 500mVrms
Impedance : More than 22kΩ
Jack : RCA jack ,
Right : Red color.
Left : White color

SPDIF output level : 400mVrms
Jack : RCA Jack (Orange)

5) AV (YC CVBS) one input

Input signals: CVBS, Left Right or YC Left Right

6) COMPONENTS one input

Input signals: YPbPr LEFT RIGHT or

YCbCr LEFT RIGHT

Format	Resolution	Type	Vertical frequency
480i	720 x 480	SD	59.940Hz, 60Hz
480p	720 x 480	SD	50Hz, 59.940Hz, 60Hz
576i	720 x 576	SD	50Hz
576p	720 x 576	SD	50Hz
720p	1280 x 720	HD	50Hz, 59.940Hz, 60Hz
1080i	1920 x 1080	HD	50Hz, 59.940Hz, 60Hz

7) HDMI one input

Format	Resolution	Type	Vertical frequency
VGA	640 x 480		59.94Hz, 60Hz
	800 x 600		60Hz, 72Hz, 75Hz
XGA	1024 x 768		60Hz, 75Hz.
480p	720 x 480	SD	50Hz, 59.940Hz, 60Hz
576p	720 x 576	SD	50Hz
720p	1280 x 720	HD	50Hz, 59.940Hz, 60Hz
1080i	1920 x 1080	HD	50Hz, 59.940Hz, 60Hz

8) DVI-D one input

Input signal DVI-D , Left Right (shared with VGA input)

NO	Timing	V-Freq(Hz)
1	720X400 (DOS)	70 Hz
2	640X480 (DOS)	60 Hz
3	640X480(VESA)	72 Hz
4		75 Hz
5		85 Hz
6	800X600(VESA)	56 Hz
7		60 Hz
8		72 Hz
9		75 Hz
10		85 Hz
11	1024X768(VESA)	60 Hz
12		70 Hz
13		75 HZ
14		85 Hz
15	1152 X864(VESA)	75 Hz
16	1280 X960(VESA)	60 Hz
17	1280 X1024(VESA)	60 Hz
18	1920 X 1080 (HD)	Interlace, 60Hz

9) VGA one input

Input signal VGA , Left Right

NO	Timing	V-Freq(Hz)
1	640X350	85Hz
2	640X400	85Hz
3	720X400	85Hz
4	640X480	60Hz
5		72Hz
6		75Hz
7		85Hz
8	800X600	56Hz
9		60Hz

10		72Hz
11		75Hz
12		85Hz
13	1024X768	60Hz
14		70Hz
15		75Hz
16		85Hz
17	1152X864	75Hz
18	1280X720	60Hz
19		75Hz
20	1280X768	60Hz
21		75Hz
22	1280X960	60Hz
23	1280X1024	60Hz
24	1366X768	60Hz
25	1400X1050	60Hz
26	1440X900	60Hz
27	1920 X 1080 (HD)	Interlace, 60Hz
28	640X350	70Hz
29	720X400	70Hz
30	640X480	66.7Hz
31	832X624	75Hz
32	1024X768	75Hz
33	1152X870	75Hz

10) Sound management in GRAPHIC : in HDMI, the audio source is inside the HDMI signal
In VGA and DVI-D, the audio comes from the audio graphic connector.

11) EDID management: EDID data format version >= 1.3
EDID update from VGA plug, DVI, HDMI are available.

12) Card reader See Card reader Functions and Card reader connector: those

function is included in the MGW module

13) Headphone

The user can adjust separately the headphone volume.
The load impedance is 32 ohms, with 0.5W max output.
The audio signal can be any input source displayed in active window

14) HIFI

On the HIFI outputs, the user can connect an external audio amplifier, the selected signal is the same as the loudspeaker.
The output level is 500mV RMS

15) Loudspeakers

Max. Audio input (at 10% THD max.) at 1.0Vp-p / 1kHZ input: 15W +15W

Sound Distortion at 1W/1kHZ	: 1% THD max.
Speaker	: Two of 15W
Speaker impedance	: 8 ohms at 1kHZ
Residual Hum at Min. Volume	: 500uW Max.
Max. Hum at Max. Volume	: 1000uW Max.

CONNECTORS

1) Tuner type	IEC 69-2 fem	following: IEC 600169-2
2) AV Type	SCART	following: EN 50 049 –1
	RCA	following: IEC 933-5
	Jack	3.5 mm
	VGA connector fem	following: VESA
	DVI-D connector	
	HDMI type A	following: EIA/CEA 861B
3) Card reader type	Compact Flash Type I / II	
	Smart Media	
	Secure Digital card	
	XD card	
	Memory Stick	
	Memory Stick pro	
	Multi MediaCard	
4) Color	SCART	black
	Jack	black
	Mini Din	black
	Audio Left	white
	Audio Right	red
	CVBS	yellow
	Y	Green
	P_B / C_B	blue
	P_R / C_R	red

5) Accessibility

Front :

Function	Video connector	Audio connector
AV2	CVBS input (RCA)	Audio Right / Left (2 x RCA)
Headphone output	-	Audio Right / Left Jack fem 3,5mm
Card reader	Compact flash or 7 in 1 adapter	-

Rear :

Function	Video connector	Audio connector
RF analog input	IEC69-2 fem	
RF digital input	IEC69-2 fem	
SCART1 RGB/CVBS	SCART (EN 50 049 –1)	
SCART2 YC/CVBS	SCART (EN 50 049 –1)	
SCART3 RBG/CVBS	SCART (EN 50 049 –1)	
SCART4 YC/CVBS	SCART (EN 50 049 –1)	
Component1	Y, U, V (3 x RCA)	Audio Right / Left (2 x RCA)
Component2	Y, U, V (3 x RCA)	Audio Right / Left (2 x RCA)
AV1	YC (1 x mini-DIN) CVBS (1 x RCA)	Audio Right / Left (2 x RCA)
HDMI	HDMI	
DVI-D	DVI-D	Audio Right / Left (Jack fem 3,5mm)
VGA	SUB-D15	
AV output	TV CVBS out (1 x RCA)	Audio Right / Left (2 x RCA) SPDIP out (1 x RCA)

USER INTERFACE

1) Menu type	see UI specification for detail		
2) Remote control	see UI spec		
3) Response time	typical 300ms		
4) Keypad (7 keys)	ON/OFF ,	MENU ,	INPUT,
	VOL+,	VOL -	
	CH + ,	CH –	
5) IR codes	see UI specification for detail		
6) LED indication	In standby mode		Amber
	In normal operation		Blue

7) Pin code

The pin code allows to lock the complete TV or execute channel lock.
A menu is displayed after the POWER UP of the TV.
For operation of this function, please refer to UI specification

8) Sleep Function

It's time to power off TV off/15/30/45/60/90/120 mins selectable

9) Remote control

NEC protocol

TV custom code	refer to UI spec
DVBT custom code	refer to UI spec
MGW custom code	refer to UI spec

SERVICE

1) Software upgrade	Mainboard software and DVB-T software update available by after sales service Services term shall follow Service Contract defined with customers

ACCESSORIES

Following accessories would be contained to shipout with LCD TV.

Cables

Power Cord

Lan cable is provided with MGW model only

Remote Controller

Remote controller
AAA battery

Others

User Manual

Warranty Card

Quick guide

MGW installation kit, provided with MGW model only

MECHANISM SPECIFICATION

Cosmetic and quality standards for injection molded plastic parts

This specification defines the criteria to be used for inspection resulting in the acceptance or rejection of parts due to visual, cosmetic and functional requirements for customer visible surfaces.

Surface quality

Surface color, gloss, texture, blemishes, and all other irregularities in the plastic shall comply with QCI's approval sheet.

Fade and color change

All external surfaces shall be sufficiently rugged to withstand normal operator usage without extreme visible deterioration in color. The delta E must not exceed the value of 0.5 after 400 hours of UV testing.

Reflectivity of surface (Reserved)

Appearance Gap Specifications

Please refer to Cosmetic specification.

Torque Specifications

Common criterion

Torque (Kg-cm)

Item	Screw Type				Remark
		W/Plastics	W/Plastics	W/Plastics	
1	M2 x L		2~3 kg	2~3 kg	M: Machine thread
2	T2 x L	2~4 kg	4~6 kg	2~4 kg	T: Tapping thread
3	M2.5 x L		5~7 kg	3~5 kg	
4	T2.5/2.6 x L	3~5 kg	3~5 kg	2~3 kg	
5	M3 x L		4~6 kg	3~5 kg	
6	T3 x L	4~6 kg	6~8 kg	4~6 kg	
7	M4 x L		8~10 kg		
8	T4 x L	7~9 kg			

Physical Specifications

Overall Dimensions:

Height : 725 mm
Width : 1185 mm
Depth : 285 mm

Base

Tilt: 0°
Swivel: 0°

Mass

Mass of display with cable approx.: 42 Kg

VESA Mounting Holes

According to Vesa FPMPMI standard.
4 holes 300 mm x 100 mm (4mm, 0.7 pitch threaded) in the rear center for ARM.

Logo and Rating Label

It's customized

Packing Specifications

It's customized

ENVIRONMENTAL REQUIREMENTS

The TV shall meet the following environmental requirements under normal operating conditions.

Operating

25° ± 5° for Purity, White Point, Mis-convergence, Luminance measurements and White uniformity measurement

Operating temperature	0°C to 40°C
Operating humidity	10% to 90% (non-condensing)

Storage and Shipping

Storage temperature	-10°C to 60°C
Shipping temperature	-10°C to 60°C
Storage humidity	10% to 90% (non-condensing)
Shipping humidity	10% to 90% (non-condensing)

Altitude

Operating altitude	0 to 12,000 feet

Units tested at an altitude up to 12,000 feet must operate at normal conditions without exhibiting abnormal behavior such as arcing or shutdown.

Shipping altitude	0 to 40,000 feet
Storage altitude	0 to 40,000 feet

REGULATORY REQUIREMENTS

Product Safety

This display unit complies with following safety standards.

TUV compliance: EN60950 safety specification-business equipment

Emissions / Susceptibility

This display unit complies with the following EMC regulations.

CE Mark compliance:

EN60950

EN 55022 (CISPR 22, Class B)

IEC 1000-4-2 ESD: EN55024-2 or EN61000-2

IEC 1000-4-3 RS (Radiated): EN55024-3 or EN61000-3

IEC 1000-4-4 EFT: EN55024-4 or EN61000-4

IEC 1000-4-5 Surge: EN55024-5 or EN61000-5

IEC 1000-4-6 RS (Conducted): EN55024-6 or EN61000-6

IEC 1000-4-8 Power Frequency Magnetic Field Immunity

IEC 1000-4-11 Voltage Dips, Short Interruptions, and Short Variations Immunity

RELIABILITY PERFORMANCE

Electrostatic Discharge Requirements

This display shall withstand 8kV for contact discharge and 15kV for air discharge of Electrostatic Discharge to meet the acceptance criteria as specified in IEC 1000-4-2.

Mean time between failure (MTBF)

For the purposes of demonstrating the MTBF of this product, a failure is defined as the inability of the product to function in accordance with this specification. A failure event interrupts the expected operation of the product and requires service or repair to restore the product to full functionality. The MTBF of this product is target meet or exceed 20,000 hours @ 25 °C at a 90% confidence limit under all operating conditions as specified in previous section.

Machine Disassembly and Replacement

This chapter contains step-by-step procedures on how to disassemble the LCD TV for maintenance and troubleshooting.

To disassemble the TV, you need the following tools:

- ❑ Wrist grounding strap and conductive mat for preventing electrostatic discharge
- ❑ Small Philips screw driver
- ❑ Philips screwdriver
- ❑ Plastic flat head screw driver
- ❑ Tweezers

NOTE: The screws for the different components vary in size. During the disassembly process, group the screws with the corresponding components to avoid mismatch when putting back the components. When you remove the stripe cover, please be careful not to scrape the cover.

General Information

Before You Begin

Before proceeding with the disassembly procedure, make sure that you do the following:

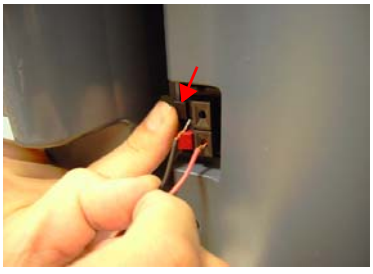
1. Turn off the power to the system and all peripherals.
2. Unplug the AC adapter and all power and signal cables from the system.
3. Remove the battery pack.

NOTE: There are several types of screws used to secure the product. The screws vary in length. Please refer the picture below, group the same type of screws together during service disassembling. Please also remember the screw location for each screw type. If you fasten the screw to the wrong location, the screw may be too long to damage the main board.

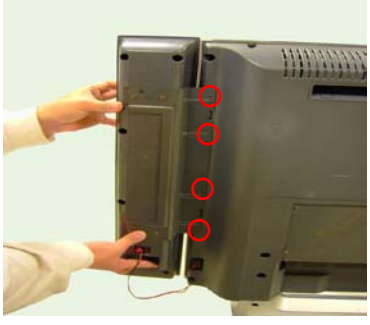
Disassembly Procedure

Removing the Speaker

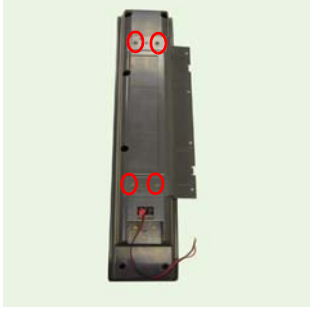
1. Press the latch to release speaker cable.

2. Remove the four screw securing the right speaker.
3. Remove the right speaker.
4. Repeat the same steps for left speaker.

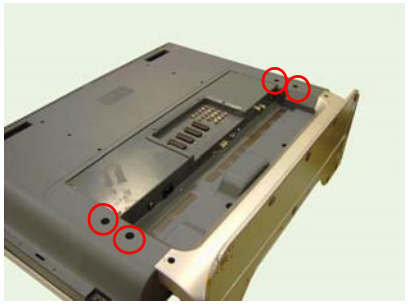



5. Remove the four screws securing the right speaker bracket and remove it from speaker.
6. Repeat the same steps for left speaker.



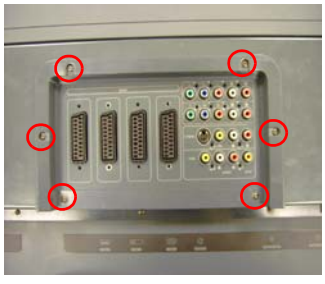

Removing the TV Stand Module

1. Remove the four screws securing the TV stand module.
2. Remove the TV stand module.

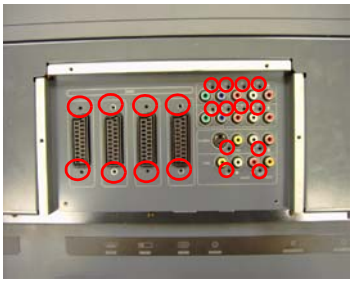


Remving the I/O

1. Remove the six screws securing the I/O cover.
2. Remove the I/O cover.




3. Remove the 20 screws securing the I/O bracket.

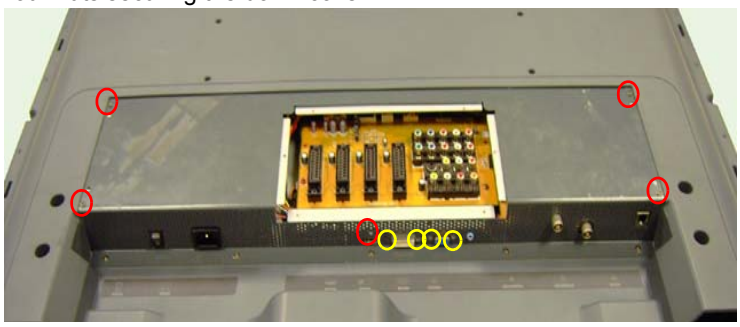


4. Remove the I/O bracket.

Removing the Down Cover

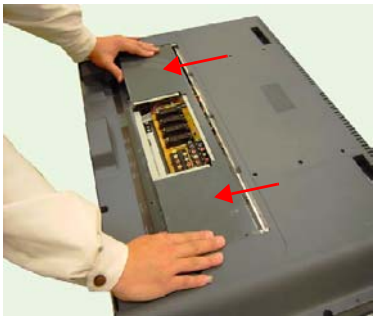
1. Remove the five screws securing the down cover

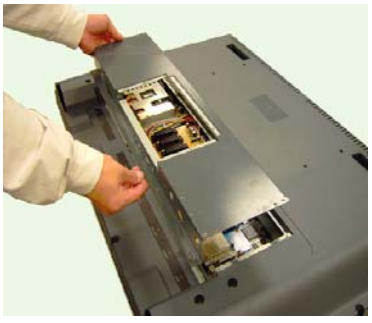
2. Remove the four nuts securing the down cover.



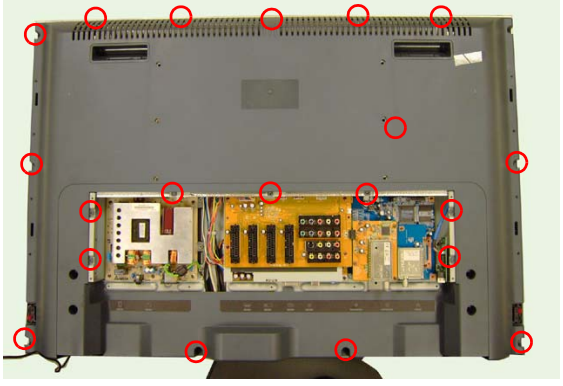
3. Push the down cover a little bit backward.

4. Remove the down cover as shown.

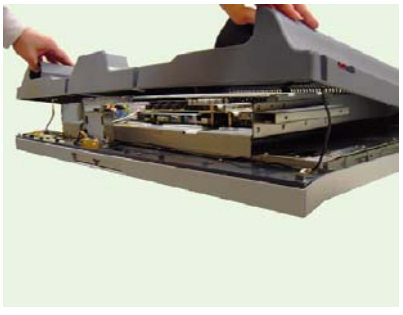




5. Remove the 20 screws securing the back cover.



6. Lift the back cover up.



7. Disconnect the left speaker connector from back cover.

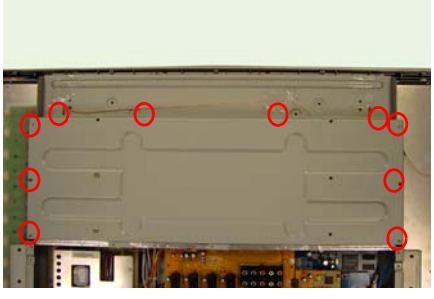
8. Remove the two screws securing the left speaker board.

9. DIsconnect the right speaker connector from the back cover.
10. Remove the two screws securing the right speaker board.

11. Remove the back cover as shown.

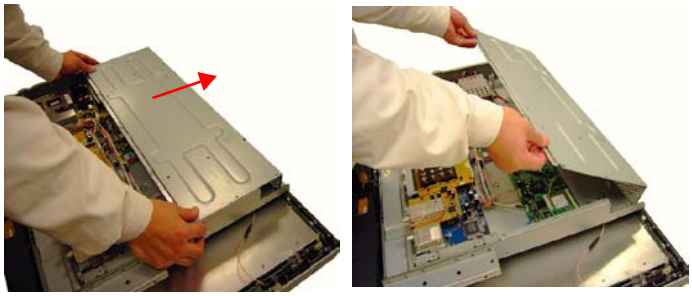
Removing the Top Shielding

1. Remove the screws securing the top shielding.



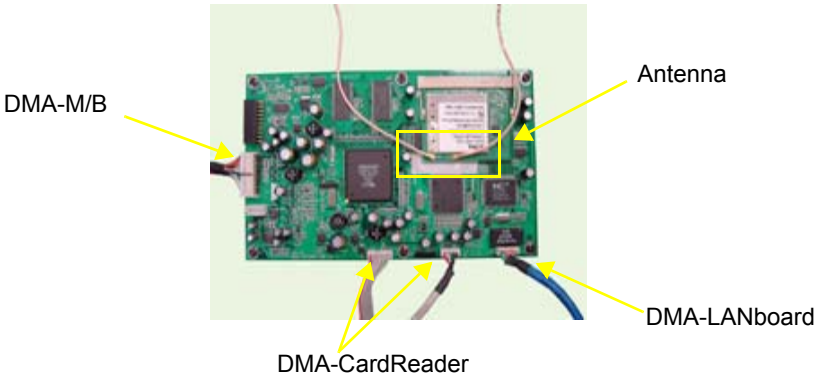
2. Push the top shielding a little bit upward.

3. Remove the top shielding.

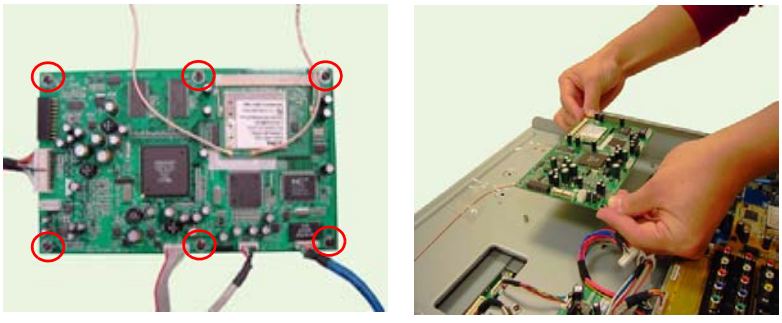


Removing the DMA board

1. Disconnect the following connectors and antennas.

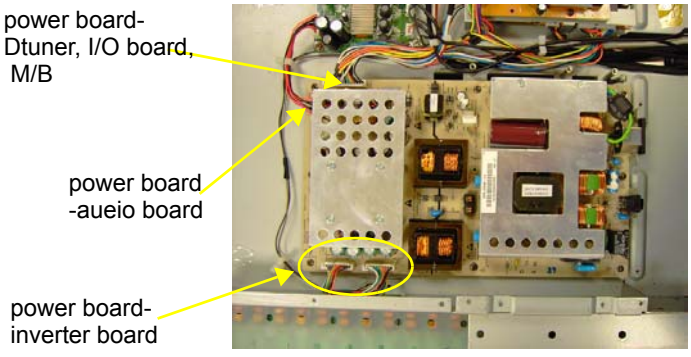


2. Remove the six screws securing the DMA board and remove it.

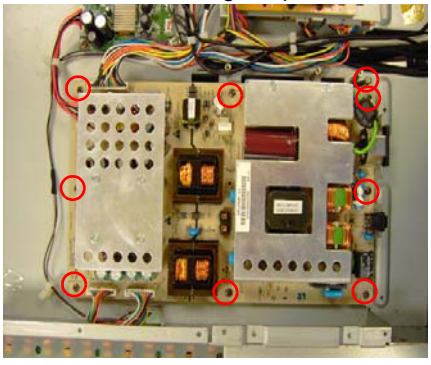


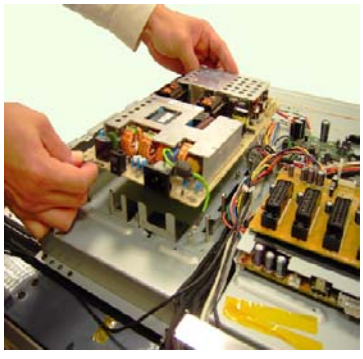
Removing the Power Board

1. Disconnect the connectors from power board.



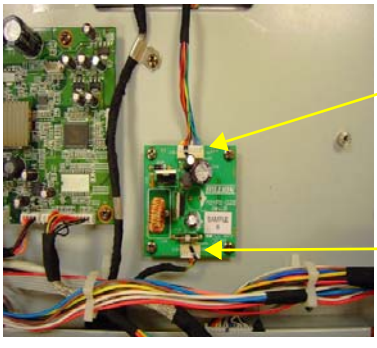
2. Remove the 9 screws securing the power board and remove the power board.



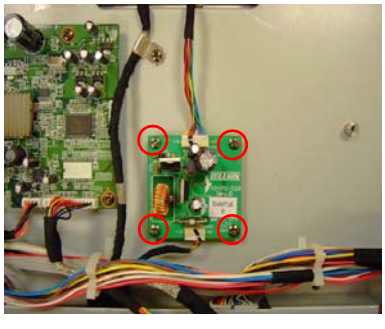


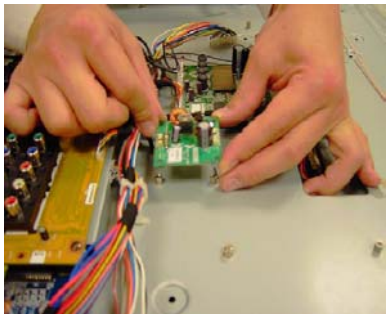
Removing the Converter Board

1. Disconnect the connectors from converter board.



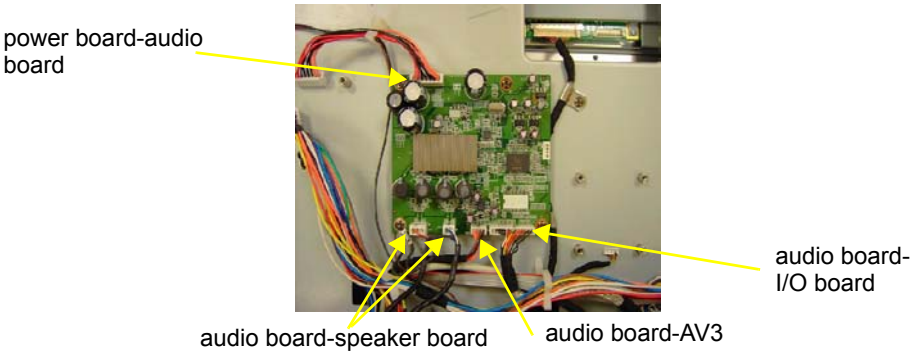
2. Remove the four screws securing the converter board.
3. Remove the converter board.





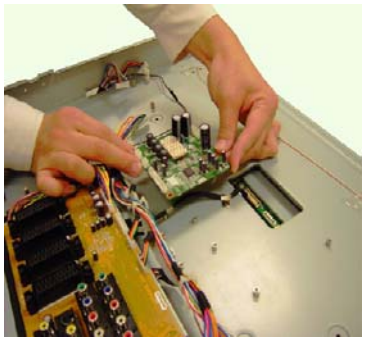
Removing the Audio Board

1. Disconnect the cables from audio board.



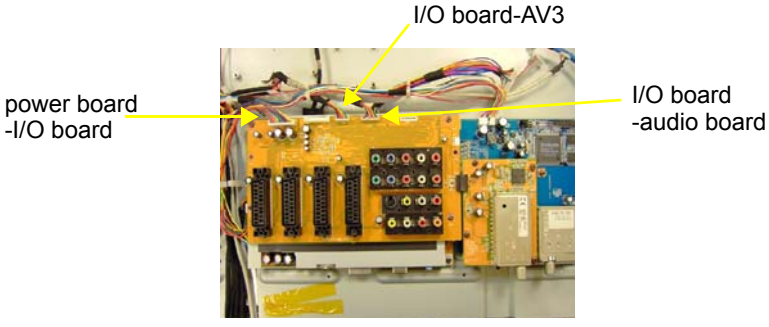
2. Remove the four screws securing the audio board.

3. Remove the audio board.

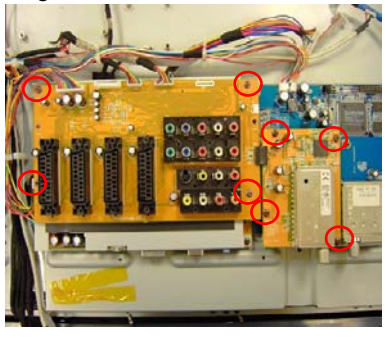


Removing the I/O board and A-tuner Board

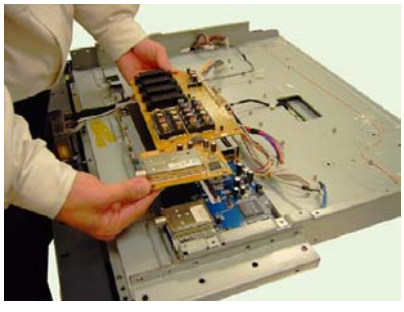
1. Disconnect the connectors from I/O board.

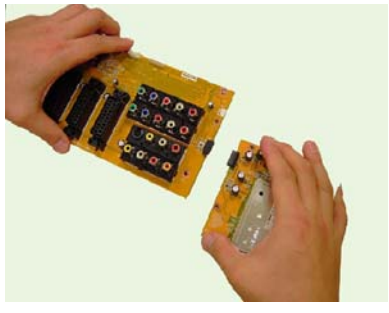


2. Remove the four screws securing the I/O board and four screws securing the A-tuner board.



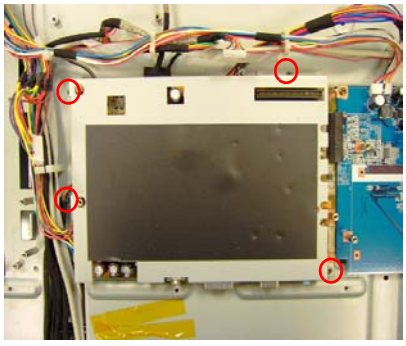
3. Remove the I/O board and A-tuner board.
4. Separate the I/O board and A-tuner board.



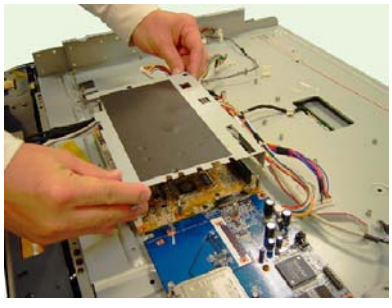


Removing the Heatsink

1. Remove the four screws securing the heatsink.

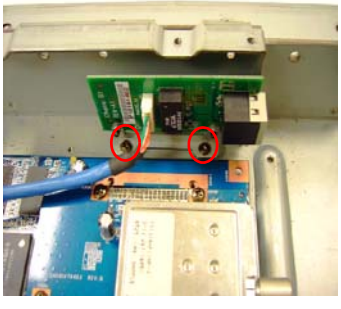
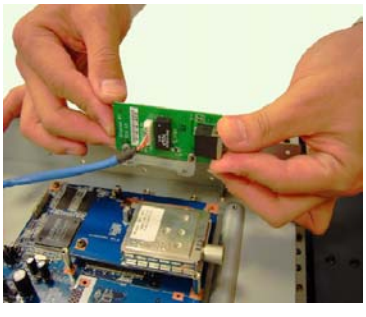


2. Remove the heatsink from the main unit.

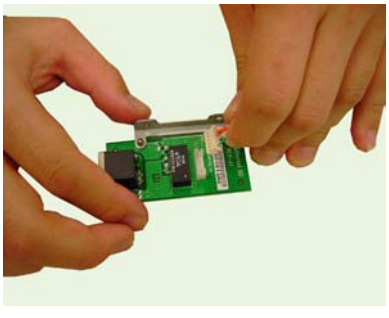


Removing the Ethernet Board

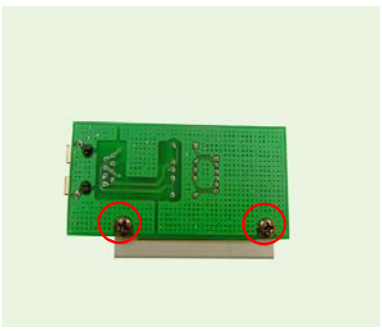
1. Remove the two screws securing the ethernet board.
2. Remove the ethernet board.

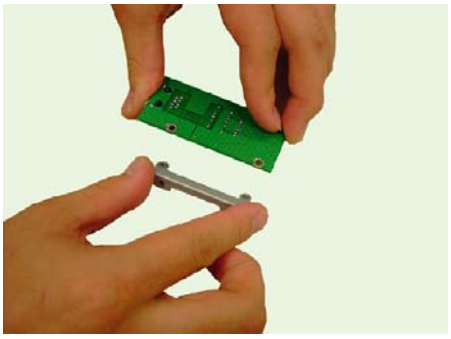



3. Disconnect the cable from the ethernet board.



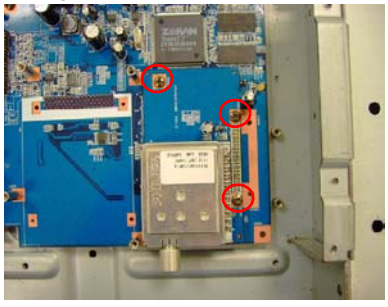
4. Remove the two screws securing the ethernet bracket and remove the bracket.





Removing the D-tuner

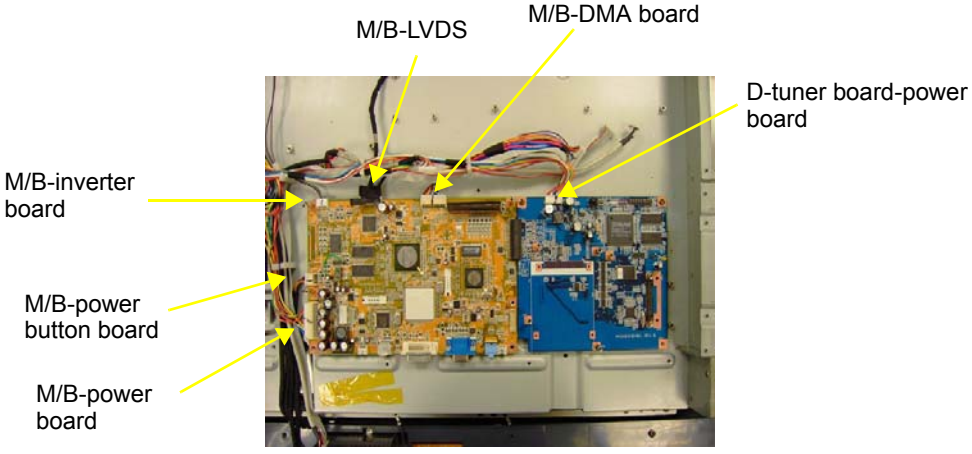
1. Remove the three screws securing the D-tuner.



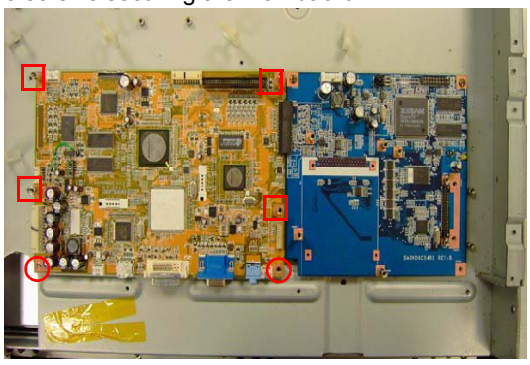
2. Remove the D-tuner.

Removing the M/B and D-tuner Board

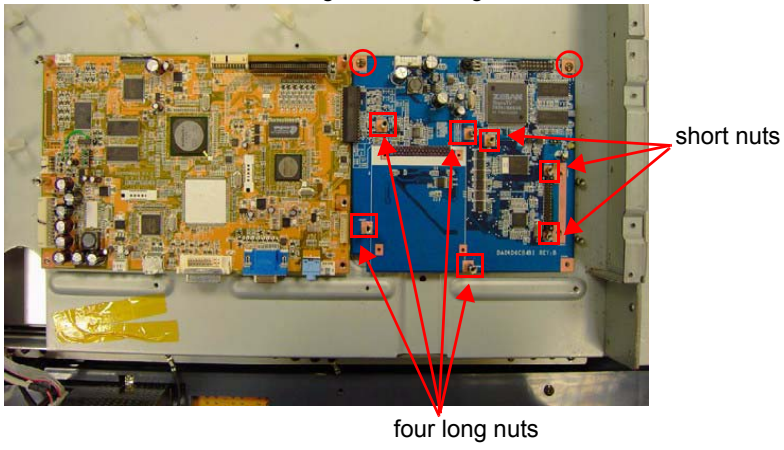
1. Disconnect the cables from Mainboard and D-tuner board.



2. Remove the four nuts and two screws securing the mainbaord.

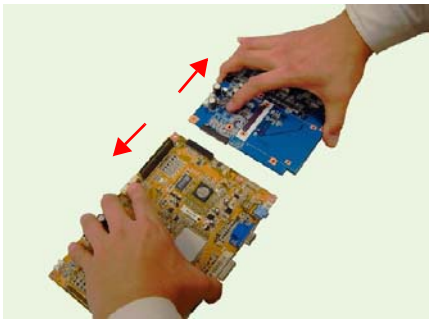


3. Remove the two screw, three short nuts, and four long nuts securing the D-tuner board.



4. Remove the M/B and D-tuner board.

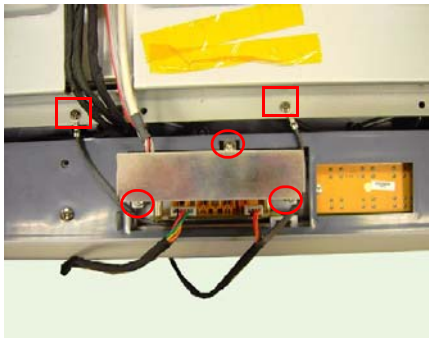
5. Separate the M/B and D-tuner board.



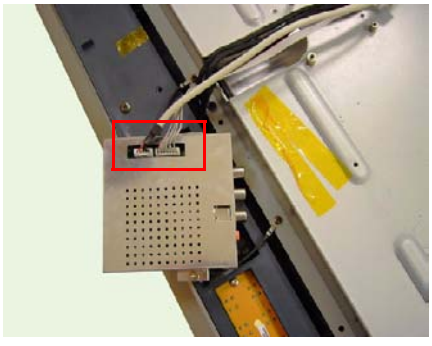
Removing the Card Reader module

1. Remove three screws securing the card reader module.

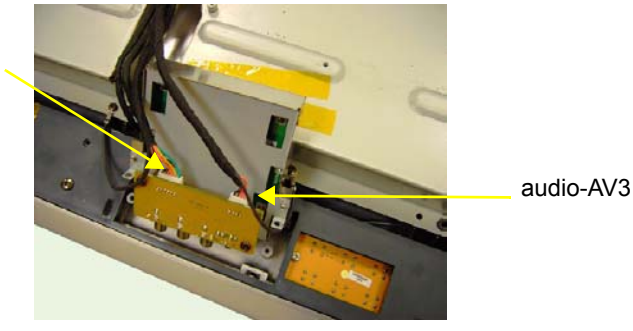
2. Remove two screws securing the ground wire.



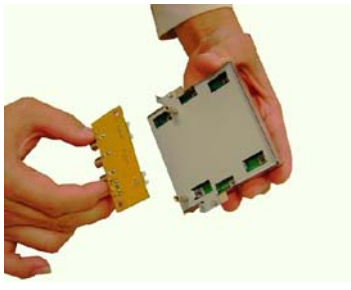
3. Turn the card reader module over and disconnect the cables from card reader module.



4. Disconnect the cables from AV3 board.

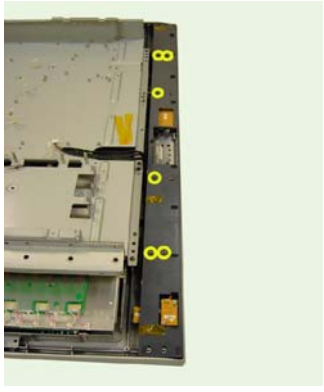


5. Remove the two screw securing the AV3 board and remove it from card reader module.



Removing the Bezel Skirt

1. Remove the 6 screws securing the bezel skirt.



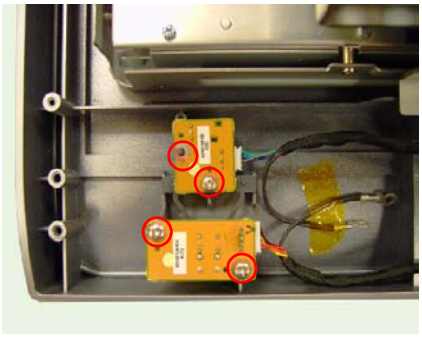
2. Remove the bezel skirt.

Removing the IR Board, Power Button Board, and Keypad Board

1.

2. Remove the two screws securing the keypad board and remove it.

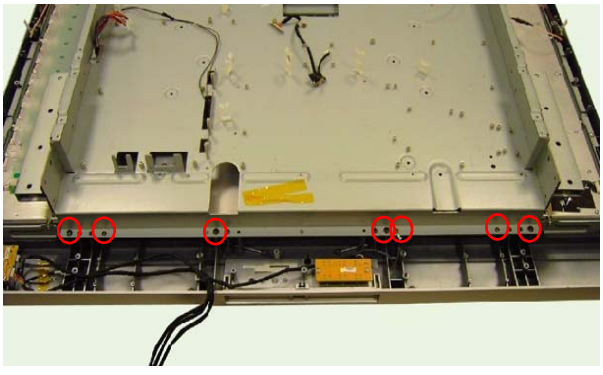
3. Remove the two screws securing the IR board, and remove the two screws securing the power button board.



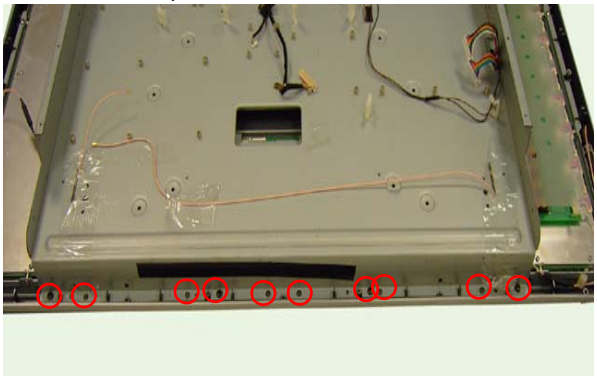
Removing the PCB Chassis

1. Disconnect the cables from LVDS board.

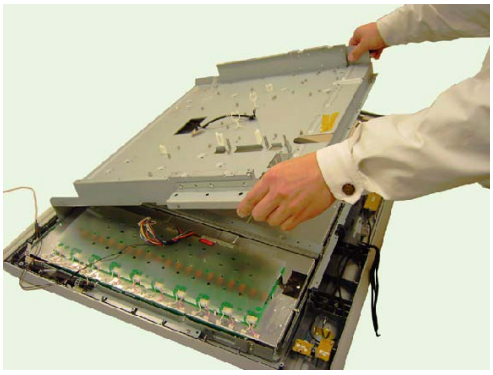
2. Remove the 7 screws on chassis bottom view.



3. Remove the 10 screws on chassis top view.

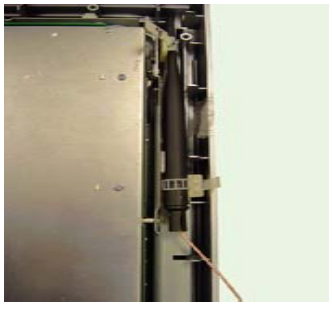


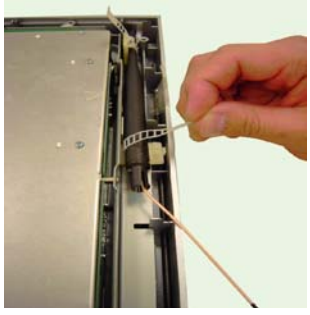
4. Remove the PCD chassis as shown.



Removing the Antenna

1. Open the clip to release the antenna.

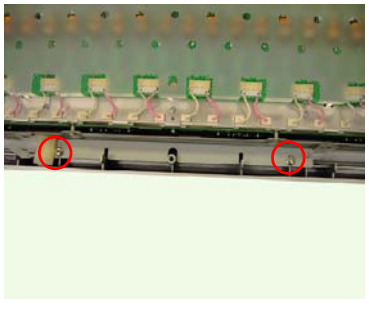




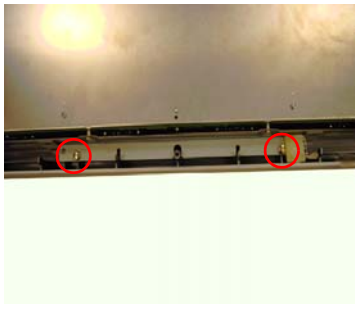
2. Remove the antenna.

Removing the LCD Panel

1. Remove the two screws on the right.



2. Remove the two screws on the left.



3. Remove the LCD panel.

4. Remove the two screws securing the right side bracket.
5. Remove the four screws securing the down bracket.

6. Remove the right side bracket.

7. Remove the down bracket.

8. Repeat the same steps for left side and top bracket.

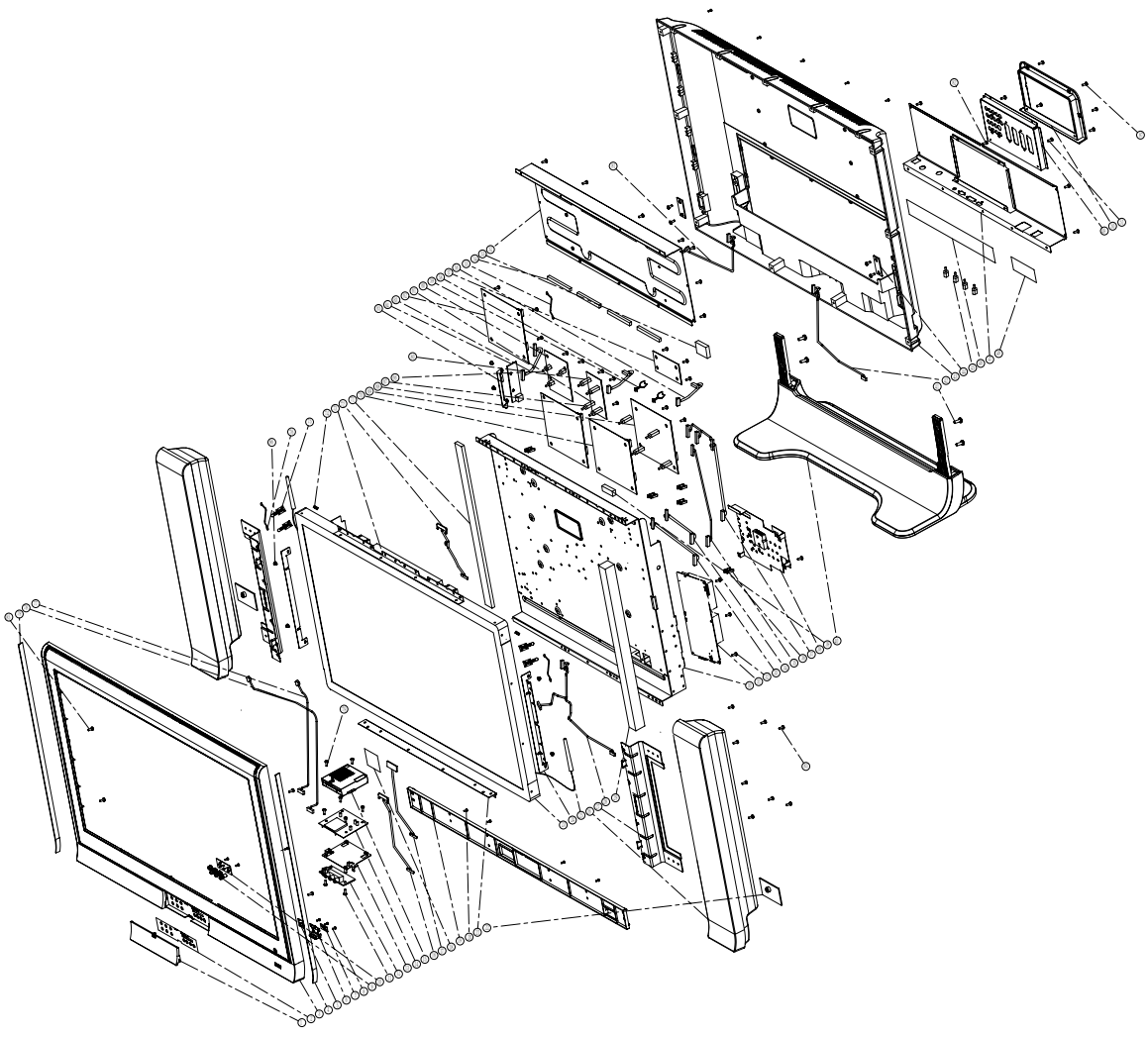
FRU (Field Replaceable Unit) List

This chapter gives you the FRU (Field Replaceable Unit) listing in global configurations of LCD TV AT3705W. Refer to this chapter whenever ordering for parts to repair or for RMA (Return Merchandise Authorization).

Please note that WHEN ORDERING FRU PARTS, you should check the most up-to-date information available on your regional web or channel. For whatever reasons a part number change is made, it will not be noted on the printed Service Guide. For ACER AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code from those given in the FRU list of this printed Service Guide. You MUST use the local FRU list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

NOTE: To scrap or to return the defective parts, you should follow the local government ordinance or regulations on how to dispose it properly, or follow the rules set by your regional Acer office on how to return it.

Exploded Diagram



Number	Item	Number	Item
1	AV3 door assy	2	Label
3	Bezel-sub assy	4	Speaker sponge-R
5	IR board assy	6	Power-key assy
7	LED board assy	8	Screw T3*8-B(BNI)
9	Function Key	10	Keypad board assy
11	Screw M3*6-B(BNI)	12	Earphone board assy
13	AV3 bracket	14	Card Reader Module
15	AV3 SHD-A	16	Cable assy card reader
17	Cable assy USB	18	Condctive Tape
19	Bezel skirt	20	Screw T4*16-B(BNI)
21	Panel bracket down	22	Speaker cap
23	LCD panel	24	Panel bracket side
25	Antenna	26	Speaker assy

Number	Item	Number	Item
27	Speaker bracket	28	Cable assy MB-key/IR/ Power key
29	Gasket panel/holder	30	PCB-holder assy
31	power 300W	32	Screw M4*6 P(NI)
33	Cable assy inverter-MB/ power	34	Cable assy LVDS/power
35	Cable assy power-audio	36	Wire mount
37	Cable assy power	38	Thermal module_N assy
39	Rubber	40	Stand assy
41	Screw M6*15-B(BNI)	42	Cable assy speaker-R
43	Back cover assy	44	Speaker board
45	IO nut	46	Label(IO&Tuner)
47	ESD down media gateway	48	Label power
49	IO bracket	50	IO cover
51	Screw T3*8 P(Black)	52	ESD top
53	Heatsink	54	Gasket ESD T/D
55	Cable assy HH6 GND-GND	56	Cable assy I/O-audio
57	Audio board assy	58	Clip standoff
59	Cable assy MB-DMA	60	AD6 tuner board(DVB-T) assy
61	Tuner board assy(A)	62	DMA module ADM-530E
63	Cable assy RJ45	64	Ethernet module
65	RJ11 bracket	66	D-Tuner nut L6.5
67	MB nut L17.5	68	IO board assy(PAL)
69	AD6 CPUBD(DVB-T,PAN-EU) assy	70	M/B assy
71	Gasket Panel	72	Cable assy LVDS
73	Panel bracket top	74	Clip MWS-2
75	Clip antenna	76	Cable assy ground
77	Cable assy ear-audio	78	Cable assy I/O-AV3
79	Speaker sponge-L	80	Spacer_TP-18
81	Cable assy speaker-L	82	Screw M3*12-B(BNI)
83	Screw M4*10-B(BNI)	84	Screw M3*4-B(NI)
85	Scew T4*12-B(NI)	86	Screw M4*6-B(NI)
87	Screw M3*6-B(BNI)		

FRU List

Image	PARTNAME	DESCRIPTION	PART NO.
ACCESSORY			
N/A	REMOTE CONTROL - EU DVBT+MGW LF	REMOTE CONTROL 54-33614 (EU)DVBT+MGW LF	25.M08V7.001
N/A	REMOTE CONTROL - USA DVBT+MGW LF		25.M08V7.002
N/A	REMOTE CONTROL - TAIWAN DVBT+MGW LF		25.M08V7.003
N/A	REMOTE CONTROL - AUSTRALIA DVBT+MGW LF		25.M08V7.004
N/A	REMOTE CONTROL - EU DTV LF	REMOTE CONTROL 54-36225 (EU)DVBT LF	25.M08V7.005
N/A	REMOTE CONTROL - USA DTV LF		25.M08V7.006
N/A	REMOTE CONTROL - TAIWAN DTV LF		25.M08V7.007
N/A	REMOTE CONTROL - AUSTRALIA DTV LF		25.M08V7.008
BOARD			
	AUDIO BOARD	VWE7 AUDIO/B ASSY	55.M08V7.001
	LED BOARD	VWE LED/B ASSY	55.M08V7.002
	IR BOARD	VWE IR/B ASSY	55.M08V7.003
	KEYPAD BOARD	VWE KAYPAD/B ASSY	55.M08V7.004
	AV3/EARPHONE BOARD	VWE7 EARPHONE/B ASSY	55.M08V7.005

Image	PARTNAME	DESCRIPTION	PART NO.
	SPEAKER BOARD	VWE7 SPEAKER/B ASSY	55.M08V7.006
	DVB-T BOARD - EU AUS TWN	"AD6 CPUBD (DVB-T,PAN-EU) ASSY"	55.M08V7.007
N/A	CARD READER MODULE	CARDREADER MODULE ADM-530R(5V)	55.M08V7.008
	"PWR 300W,DPS-300AP-13A(90~264VAC)EU"	"PWR 300W,DPS-300AP-13A(90~264VAC)EU"	55.M08V7.009
	CONVERTER BOARD	POWER SUPPLY 18V 18W A94PS-028 LF	55.M08V7.010
	DMA BOARD W/WIRELESS CARD	"DMA MODULE ADM-530M(12V,1A)"	55.M08V7.011
	ETHERNET MODULE ADM-530E(IEEE802.11G)	ETHERNET MODULE ADM-530E(IEEE802.11G)	55.M08V7.012
	I/O BOARD - PAL	VWE7 IO/B ASSY(PAL)	55.M08V7.013
	A-TUNER BOARD - PAL	VWE TUNER/B ASSY(A)	55.M08V7.014

Image	PARTNAME	DESCRIPTION	PART NO.
	D-TUNER BOARD - DVB-T	AD6 TUNERBD (DVB-T) ASSY	55.M08V7.015
	MAINBOARD DTV + MGW - PAL AUS	VW2 M/B ASSY(FOR VWE) BASE	55.M08V7.016
N/A	MAINBOARD DTV- PAL AUS	VW2 M/B ASSY(FOR VWE7) BASE	55.M08V7.017
CABLE			
N/A	POWER CORD SP-023+IS-14H05VV-F3P 1.8M EU	POWER CORD SP-023+IS-14H05VV-F3P 1.8M EU	27.M03V7.002
	CABLE - IO BOARD TO AUDIO 11P/13P	CABLE ASSY VWE7 IO-AUDIO 11P/13P R2A EP	50.M08V7.001
	CABLE - POWER BD TO AUDIO 8P/7P	CABLE ASSY VWE7 PWR-AUDIO 8P/7P R2A EP	50.M08V7.002
	CABLE - AV3/EARPHONE TO AUDIO 4P/4P	CABLE ASSY VWE7 EAR-AUDIO 4P/4P R2A EP	50.M08V7.003
N/A	CABLE - GROUND 1P/1P	CABLE ASSY VWE7 GROUND 1P/1P R3A EP	50.M08V7.004
	CABLE - INV(CMO37) TO MB/PWR R2A EP	CABLE ASSY VWE7 INV(CMO37)-MB/PWR R2A EP	50.M08V7.005
	CABLE - POWER CABLE EP	CABLE ASSY VWE7 POWER REV 2A EP	50.M08V7.006

Image	PARTNAME	DESCRIPTION	PART NO.
	CABLE - SPEAKER-L 3P/3P	CABLE ASSY VWE7 SPEAKER-L 3P/3P R2A EP	50.M08V7.007
	CABLE - SPEAKER-R 3P/2P	CABLE ASSY VWE7 SPEAKER-R 3P/2P R2A EP	50.M08V7.008
	CABLE - IO BOARD TO AV3/ EARPHONE 6P/6P	CABLE ASSY VWE7 IO-AV3 6P/6P R2A EP	50.M08V7.009
	CABLE - MB TO DMA 24P/24P	CABLE ASSY VWE7 MB-DMA 24P/24P R2A EP	50.M08V7.010
	CABLE - MB TO KEYPAD/IR/PWKEY EP	CABLE ASSY VWE7 MB-KEY/IR/PWKEY R2A EP	50.M08V7.011
	CABLE - LCD (CMO37) TO CONVERTER	CABLE ASSY VWE7 LVDS.PWR(CMO37) R2A EP	50.M08V7.012
	CABLE - LVDS(CMO37) TO MB	CABLE ASSY VWE7 LVDS(CMO37) R2A EP	50.M08V7.013

Image	PARTNAME	DESCRIPTION	PART NO.
	CABLE - CARD-READER 7P/7P	CABLE ASSY VWE7 CARD-READER 7P/7P R3A EP	50.M08V7.014
	CABLE - USB 5P/5P R3A EP	CABLE ASSY VWE7 USB 5P/5P R3A EP	50.M08V7.015
	CABLE - DMA TO ETHERNET RJ45 5P/5P	CABLE ASSY VWE7 RJ45 5P/5P R3A EP	50.M08V7.016
N/A	CABLE - SCART-SCART VA1 20P/20P	"CABLE ASSY SCART-SCART VA1(20P/20P,R3A)"	50.M03V7.019
N/A	CABLE - TC1 LAN 2M (RJ45/8P)	CABLE ASSY TC1 LAN 2M (RJ45/8P)	50.M08V7.017
CASE/COVER/BRACKET ASSEMBLY			
	BACK COVER ASSY	VWE7 BACK COVER ASSY	60.M08V7.001
	PCB CHASSIS	VWE7 PCB-HOLDER ASSY	33.M08V7.001
	LCD PANEL BRACKET TOP	"PANEL BKT TOP VWE7(FBVWE002,REV3A)"	33.M08V7.002
	LCD PANEL BRACKET SIDE	"PANEL BKT SIDE VWE7(FBVWE003,REV3B)"	33.M08V7.003

Image	PARTNAME	DESCRIPTION	PART NO.
	LCD PANEL BRACKET DOWN	"PANEL BKT DOWN VWE7(FBVWE001,REV3B)"	33.M08V7.004
	"FRONT BEZEL W/O POWER/FUN. KEY , DOOR"	VWE7 BEZEL-SUB ASSY	60.M08V7.002
	FUNCTION/POWER KEY DOOR	VWE7 AV3 DOOR ASSY	42.M08V7.001
N/A	VWE7 POWER-KEY ASSY	VWE7 POWER-KEY ASSY	47.M08V7.001
	"FUNCTION KEY VWE7(EBVWE003,REV3B)"	"FUNCTION KEY VWE7(EBVWE003,REV3B)"	47.M08V7.002
	DOWN COVER	"ESD DOWN-BASE VWE7(FBVWE012,REV3C)"	33.M08V7.005
	IO BRACKET	"IO BKT VWE7(FBVWE004,REV3B)"	33.M08V7.006
	IO COVER	"IO COVER VWE7(EBVWE004,REV3A)"	42.M08V7.002
	TOP SHIELDING	"ESD TOP VWE7(FAVWE002,REV3B)"	33.M08V7.007
	BEZEL SKIRT	"BEZEL SKIRT VWE7(EAVWE004,REV3B)"	42.M08V7.003

Image	PARTNAME	DESCRIPTION	PART NO.
	STAND BASE ASSY	VWE7 STAND ASSY	60.M08V7.003
	ETHERNET BOARD BRACKET	"RJ11 BKT VWE7(FBVWE008,REV3A)"	33.M08V7.008
	SPEAKER BRACKET	"SPEAKER BKT VWE7(FAVWE004,REV3C)"	33.M08V7.009
N/A	SPEAKER CAP	"SPEAKER CAP VWE7(EBVWE014,REV3A)"	42.M08V7.004
	AUDIO BOARD HEAT SINK	"HEAT SINK(AUDIO/B) VWE2 (FBVWE025,REV3A)"	23.M08V7.002
	I/O SHIELDING W/THERMAL PAD	VWE7 THERMAL MODULE_N ASSY	33.M08V7.010
	"AV3 BKT VWE7(FBVWE005,REV3B)"	"AV3 BKT VWE7(FBVWE005,REV3B)"	33.M08V7.011
	"AV3 SHD-A VWE7(FBVWE006,REV3A)"	"AV3 SHD-A VWE7(FBVWE006,REV3A)"	33.M08V7.012
LCD			
N/A	"LCD(TFT)V370H1-L03 V01(37"",1920*1080) LF"	"LCD(TFT)V370H1-L03 V01(37"",1920*1080) LF"	56.M08V7.001
SPEAKER			

Image	PARTNAME	DESCRIPTION	PART NO.
	SPEAKER ASSY	SPEAKER ASSY VWE7(FS-0000023AA)LF	23.M08V7.001
COMMUNICATION MODULE			
N/A	ANTENNA 2.4GHZ- L (EFW1263A1)LF	ANTENNA 2.4GHZ (EFW1263A1)LF	50.M08V7.018
N/A	ANTENNA 2.4GHZ - R (EFW1266A1)LF	ANTENNA 2.4GHZ (EFW1266A1)LF	50.M08V7.019
SCREW			
SCREW	"IO NUT VT1(MBVT1002,REV3A)"	"IO NUT VT1(MBVT1002,REV3A)"	86.M01V7.010
SCREW	"MB NUT L17.5 HD1(MBHD1001,REV3A)"	"MB NUT L17.5 HD1(MBHD1001,REV3A)"	86.M08V7.001
SCREW	"D-TUNER NUT L6.5 HD1(MBHD1002,REV3A)"	"D-TUNER NUT L6.5 HD1(MBHD1002,REV3A)"	86.M08V7.002
SCREW	SCREW M3*6-B(BNI)	SCREW M3*6-B(BNI)	86.M08V7.003
SCREW	SCREW M3.0*4.0-B(NI)	SCREW M3.0*4.0-B(NI)	86.M08V7.004
SCREW	SCREW M4*10-B (BNI)	SCREW M4*10-B (BNI)	86.M03V7.002
SCREW	SCREW M4*6 P (NI)	SCREW M4*6 P (NI)	86.M01V7.002
SCREW	SCREW M4.0*6.0-B(NI)	SCREW M4.0*6.0-B(NI)	86.M08V7.005
SCREW	SCREW M6*15-B(BNI)	SCREW M6*15-B(BNI)	86.M08V7.006
SCREW	SCREW T3*8-P(BLACK)	SCREW T3*8-P(BLACK)	86.M03V7.003
SCREW	SCREW T3*8-B(BNI)	SCREW T3*8-B(BNI)	86.M08V7.007
SCREW	SCREW T4*12 B (NI)	SCREW T4*12 B (NI)	86.M01V7.008
SCREW	SCREW T4*16-B(BNI)	SCREW T4*16-B(BNI)	86.M08V7.008
SCREW	SCREW M3*12-B(BNI)	SCREW M3*12-B(BNI)	86.M08V7.009
MISCELLANEOUS			
MISCELLANEOUS	"SPEAKER SPONGE-R VWE7(GBVWE015,REV3A)"	"SPEAKER SPONGE-R VWE7(GBVWE015,REV3A)"	47.M08V7.003
MISCELLANEOUS	"SPEAKER SPONGE-L VWE7(GBVWE016,REV3A)"	"SPEAKER SPONGE-L VWE7(GBVWE016,REV3A)"	47.M08V7.004
MISCELLANEOUS	"GASKET PANEL VWE7(GBVWE009,REV3C)"	"GASKET PANEL VWE7(GBVWE009,REV3C)"	47.M08V7.005
MISCELLANEOUS	"CLIP ANTENNA VWE7(EBVWE019,REV3A)"	"CLIP ANTENNA VWE7(EBVWE019,REV3A)"	47.M08V7.006
MISCELLANEOUS	"CLIP MWS-2 VWE7(EBVWE020,REV3A)"	"CLIP MWS-2 VWE7(EBVWE020,REV3A)"	47.M08V7.007
MISCELLANEOUS	"CLIP STANDOFF VWE7(EBVWE011,REV3A)"	"CLIP STANDOFF VWE7(EBVWE011,REV3A)"	47.M08V7.008
MISCELLANEOUS	"GASKET ESD T/D VWE7(GBVWE004,REV3B)"	"GASKET ESD T/D VWE7(GBVWE004,REV3B)"	47.M08V7.009
MISCELLANEOUS	"GASKET PANEL/HOLDER VWE7(GBVWE011,REV3A)"	"GASKET PANEL/HOLDER VWE7(GBVWE011,REV3A)"	47.M08V7.010
MISCELLANEOUS	"CONDUCTIVE TAPE VWE7(JXVWE001,REV3A)"	"CONDUCTIVE TAPE VWE7(JXVWE001,REV3A)"	47.M08V7.011
	WIRE MOUNT	"WIRE MOUNT VWE7(EBVWE010,REV3B)"	47.M08V7.012

Image	PARTNAME	DESCRIPTION	PART NO.
MISCELLANEOUS	"VWX RUBBER(GAVWE001,REV3A)"	"VWX RUBBER(GAVWE001,REV3A)"	47.M08V7.013
PACKING	"CARTON COVER VWE7(HFVWE011,REV3A)FLEX"	"CARTON COVER VWE7(HFVWE011,REV3A)FLEX"	47.M08V7.014
PACKING	"CARTON(BASE)VWE7(HFVWE002,REV3A)"	"CARTON(BASE)VWE7(HFVWE002,REV3A)"	47.M08V7.015
PACKING	"BOX (MONITOR)VWE7(HEVWE001,REV3A)"	"BOX (MONITOR)VWE7(HEVWE001,REV3A)"	47.M08V7.016
PACKING	"EPS FOAM(UP)VWE7(HBVWE001,REV3B)"	"EPS FOAM(UP)VWE7(HBVWE001,REV3B)"	47.M08V7.017
PACKING	"EPS FOAM(BASE)VWE7(HBVWE002,REV3B)"	"EPS FOAM(BASE)VWE7(HBVWE002,REV3B)"	47.M08V7.018
PACKING	"ACER TAPE VV3A(JXVV3005,3A)7.2MM*500Y"	"ACER TAPE VV3A(JXVV3005,3A)7.2MM*500Y"	47.M08V7.019
PACKING	"CARTON CLASP VW7(JXVW7001,3A)"	"CARTON CLASP VW7(JXVW7001,3A)"	47.M08V7.020