

Acer AT4235B LCD TV

Service Guide

Service guide files and updates are available on the ACER/CSD web. For more information, please refer to <http://csd.acer.com.tw>

Revision History

Please refer to the table below for the updates of LCD TV AT4235B service guide.

Date	Chapter	Updates
2007/10/20	Chapter 1 ~ 3	1st edition

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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, you should check the most up-to-date information available on your regional web or channel. For whatever reason, if 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 Specification

Specification

LCD Panel

Max. resolution: 1366 x 768

20 CCFTs Backlight system

Display area: 42 inches

Display color: 16.7 M colors

Input Signal: 1-ch LVDS

Contrast ratio: 1500:1 (Typical)

Brightness: 500 Cd/m² (Typical)

Response Time:8.0 ms (Typical)

Viewing angle: 88° (L) / 88° (R), 88° (U) / 88° (D)

I/O functions

21 pin Euro-SCART (RGB) for Video, S-Video, R.G.B. and Audio

21 pin Euro-SCART (RGB) for Video, S-Video, R G B and Audio

RCA jack (YUV and CVBS) for YPbPr, YCbCr, Video and Audio

15 pin D-Sub for VGA

19 pin D-Sub for HDMI

DIN45325 (IEC169-2) Terminal for TV / CATV input

3.5 mm Earphone jack for Audio Line input (option)

Video Functions

Support PAL / NTSC / SECAM video format

Support 480i/576i, 480p/576p, 1080i and 720p format

Build in Teletext functions

Build in Dynamic adaptive smoothing filter

Build in Dynamic temporal frame-filtering Noise Reduction

Build in Dynamic motion and edge adaptive De-interlacing

Film mode 3:2 & 2:2 pull down

Screen display model Auto/4:3/16:9/Panorama/Letterbox1,2,3

Mechanical

VESA mounting holes

Compatibility

Multi-Sound system

NICAM

FM Stereo (A2)

Power Source

Input voltage: 90 ~ 264 V, 47 ~ 63 Hz

Input current: 220Vac/1A

Power consumption: 347 Watts

Stand-by: 5 Watts Max.

Remote controllers

Multi-function remote controller

Speaker

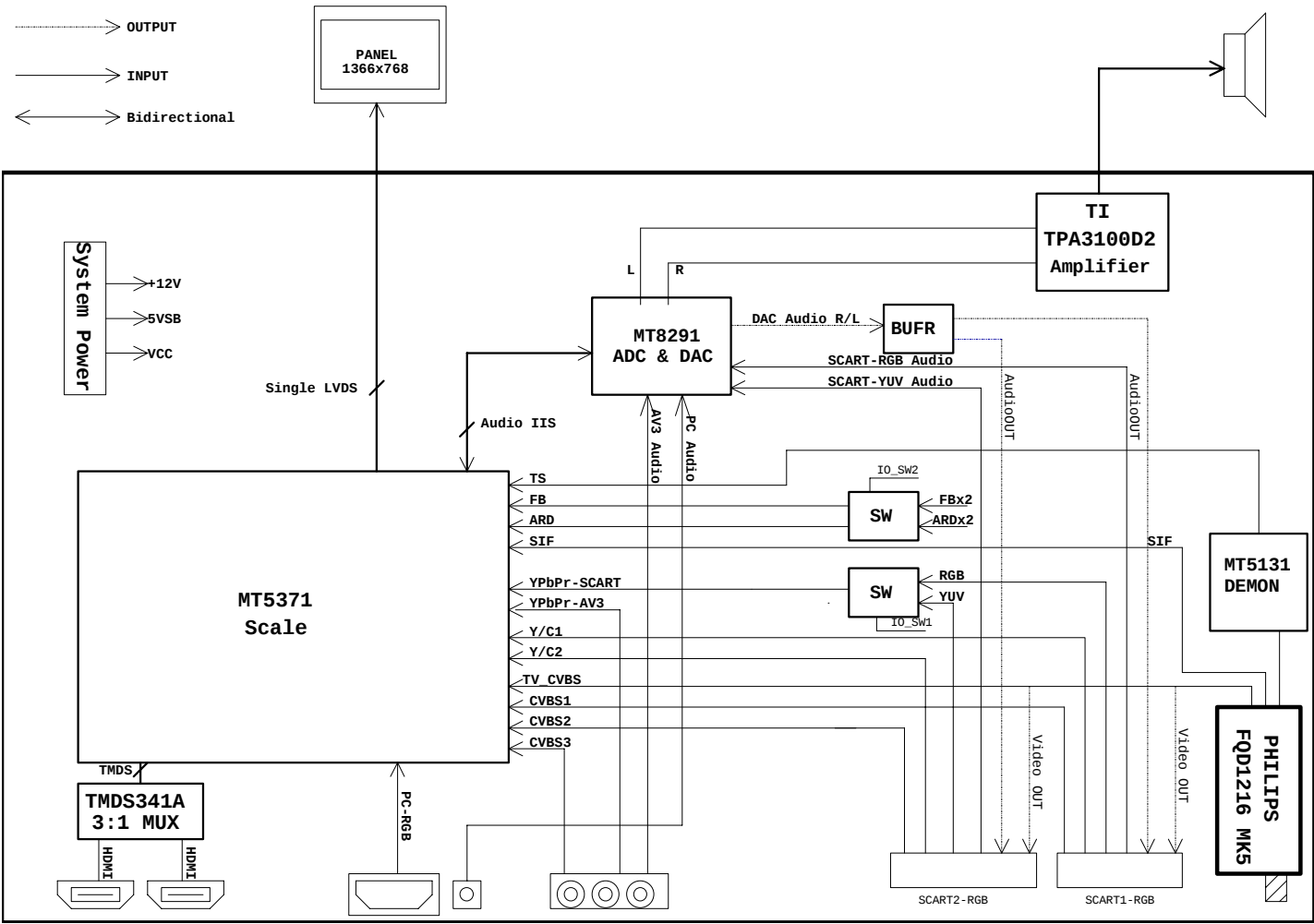
Internal speaker: 10 W x 2 stereo, volume adjustable

Others

On screen display adjustment function

ISP (In System Programming) function available for revising driver easily

System Block & Wiring Diagram



Remote Control



Key Functions

Remote Function description		
R/C for Europe	Key Functions	Remark (for cardreader)
Power	Power On/Off	
Display	Display Channel and Input Source	
Mute	Mute On/Off	
TV	TV Turner	
SCART	SCART1/SCART2	
AV	Composite/Component/HDMI1/HDMI2	
PC	VGA	
Sleep	Sleep Timeer Off 15/30/45/60/90/120	
Wide	Scaling Mode (4:3 /16:9 /Panorama /Letterbox)	
Menu	Open Menu or leave Menu	
Four way direction key		
up	Navigate up in the OSD or next (sub)page in teletext mode	
down	Navigate down in the OSD or pevious (sub) page in teletext mode	
left	Navigate left in the OSD	
right	Navigate right in the OSD	
OK	Selection Confirm	
Channel key		
1	Number key 1	
2	Number key 2	
3	Number key 3	
4	Number key 4	
5	Number key 5	
6	Number key 6	
7	Number key 7	
8	Number key 8	
9	Number key 9	
0	Number key 0	
Recall	Return to previous channel	
Enter	Enter to confirm channel selection by number key	
Channel UP	Channel up	
Channel Down	Channel down	
Volume key		
MPX	NICAM	
	STEREO Broadcast : Stereo/Mono	

	BILIGUAL Broadcast : Sound 1 / Sound 2	
	MONAURAL Broadcast: Mono	
	FM-FM	
	STEREO Broadcast: Stereo/Mono	
	BILINGUAL Broadcast : Sound 1 / Sound 2	
Volume up	Volume up	
Volume down	Volume down	
Teletext	Teletext on/off	
Index	Go to index page (usually page 100)	
Subpage	Enter/Leave subpage mode	
Reveal	Display Hidden Information	
Hold	Temporarily holds the current teletext page if TEXT on	
	Froze the picture if TEXT off	
Size	Zoom page toggle 1X/2X	
	Page select by Up-arrow and Down-arrow	
Teletext	Turn teletext mode on/off	
Subtitle	Show subtitle on the screen	
R	Colour button to operate the teletext	
G	Colour button to operate the teletext	
Y	Colour button to operate the teletext	
C	Colour button to operate the teletext	

Hardware Specification and Configuration

Electro / Optical

Model

AT4235B

Panel specification

Resolution(pixels)	1366x768
Brightness(min.)	500 cd/m ²
Contrast ratio(min.)	1500:1(Typ.)
Display color	16.7 M
Viewing angle	176(H)/176(V)
Response(typ.)	8ms

Power supply

Input	90-264 V, 47-63 Hz
Max. power Consumption	347W
Power saving	5W

Mechanical

Dimensions(WxHxD mm)	983.0*576.0*52.3
Weight(Kg)	12.6

Analog TV system

TV Color system	DVB-T
TV Color system	PAL,SECAM
Sound system	B/G/D/K/I/L
Stereo system	NICAM/ A2
Subtitle	Teletext 1.5 (1000 pages)

Digital TV System

Digital TV standard	DVB-T
Sound system	ISO11172-3 layer1 & layer2 32KHz,44.1KHz,48KHz
Stereo system	MPEG (Layer I & II) Stereo 32 / 44.1 / 48KHz
Teletext	Yes
Subtitle	Yes
EPG	7days EPG
Frequency	7/8 MHz
Video format	16bit YUV
Resolution	SD(576i/480i) /HD(720P/1080i)

Terminal

RF	75Ω DIN45325 (IEC169-2) Type
SCART 1	Euro-SCART (RGB) for Video, S-Video, RGB and Audio
SCART 2	Euro-SCART (RGB) for Video, S-Video, RGB and Audio
Composite & Component	RCA for YPbPr or Video and Audio R/L

HDMI1/HDMI2	HDMI connect for hdmi time and DVI mode
PC Analog Port	D-Sub 15 pin VGA
Service Port	ISP through D-Sub

Audio system

Speaker	10 W x 2
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Firmware Specifications

Preset Mode for VGA Input

16 factory pre-set modes for VGA inputs are saved during the manufacturing process.

Please press "Volume-" + "Channel+" + "POWER" to enter the LCD TV factory mode.

Preset mode	Pixel Format	Hor. Freq. (kHz)	Hor. Polarity	Vert. Freq. (Hz)	Vertical Polarity	Standard
1	720*400	31.47	-	70	+	VGA
2	640*480	31.47	-	60	-	VGA
3	640*480	32.861	-	72	-	VESA
4	640*480	32.5	-	75	-	VESA
5	640*480	43.4	-	85	-	VESA
6	800*600	35.156	-	56	+	VESA
7	800*600	32.879	+	60	+	VESA
8	800*600	48.077	+	72	+	VESA
9	800*600	46.875	+	75	+	VESA
10	800*600	53.7	+	85	+	VESA
11	1024*768	48.363	-	60	-	VESA
12	1024*768	56.476	-	70	-	VESA
13	1024*768	60.023	+	75	+	VESA
14	1360*768	47.7	+	60	+	VESA

This LCD TV would detect the used mode automatically.

Power Saving

While VGA is selected to be input, this LCD TV is equipped with a power-management according to VESA DPMS. There is a delay of 30 seconds before the transition from On-state to power saving state to avoid unintentionally entering of a power saving state during display resolution and timing mode changes. During the period of delay, the LED shall indicate green color and OSD will show “ Not support “. Transition from any power saving state to another can be instantaneous. The recovery from Off-state requires no manual power on.

Mode	Hsync	Vsync	Video	Power	Indication	Recovery time
Power-On	On	On	Active	< 185W	Green	--
Off-state	Off	Off	Off	< 1W	Red	<10s
Power off	×	×	×	< 1W	Red	Turn on <10s

Sync on means: normal operation

Sync off means: Hsync: $f < 1 \text{ KHz}$, duty cycle $> 25 \%$, Vsync: $f < 10 \text{ Hz}$, duty cycle $> 25 \%$

The power-consumption is valid over the specified voltage and frequency range.

Power consumption is measured from AC source.

There are no power saving modes for TV, SCART1/2 or HDMI1/2 or Composite or Component inputs.

Performance Specifications

The performance shall be checked at 25°C environment.

White Balance and Uniformity

Set contrast and brightness at 50.

Adjustment Brightness min. 400 nits in all color temperatures.

The R, G, B gain could not exceed 512. (R, G, B could not saturation)

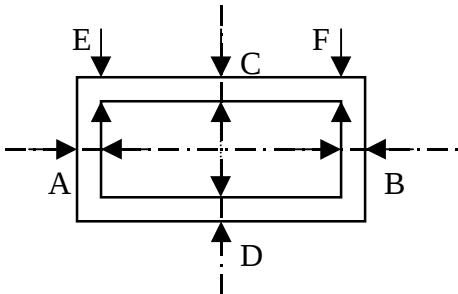
	White Balance (255/255)	Dark Balance (60/255)
COLD	x 0.268 (+/-0.005); y 0.273(+/-0.005)	x 0.268 (+/-0.005); y 0.273(+/-0.005)
STANDARD	x 0.280(+/-0.005); y 0.288(+/-0.005)	x 0.280(+/-0.005); y 0.288(+/-0.005)
WARM	x 0.295(+/-0.005); y 0.304(+/-0.005)	x 0.295(+/-0.005); y 0.304(+/-0.005)

Inspection tolerance for FV4A as below: Brightness 400 nits

	White Balance (255/255)	Dark Balance (60/255)
COLD	x 0.268 (+/-0.005); y 0.273(+/-0.005)	x 0.268 (+/-0.005); y 0.273(+/-0.005)
STANDARD	x 0.280(+/-0.005; y 0.288(+/-0.005)	x 0.280(+/-0.005; y 0.288(+/-0.005)
WARM	x 0.295(+/-0.005); y 0.304(+/-0.005)	x 0.295(+/-0.005); y 0.304(+/-0.005)

Display Area, Phase, Center and Tilt

- Display Area: 42 inches diagonal
- H-Phase: A-B Less than 1.5mm
- V-Center: C-D Less than 1.5mm
- Tilt: E-F Less than 1.5mm, but non-active area must be larger than zero for four sides



Max. Brightness

The brightness should exceed 350 Cd/m² while set both of contrast and brightness to max. and color temperature of Standard is selected. (Typical value would be 500 Cd/m²).

Power Supply Electrical Specifications

The power supply for this product is an internal converter, with a non-replaceable fuse internally.

This converter shall be well designed to meet CE mark requirement.

Input Voltage and Frequency Range

- The operating range of line voltage shall be:
- AC 90 volts to 264 volts, 47 Hz to 63 Hz
- Power consumption shall be under 291 Watts

Variation of the line voltage throughout the applicable operating range shall not result in any visible image anomalies such as image movement, changes in light output, nor changes in image stability or quality.

Line Fuse

The AC input shall be fused and become 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 shall be well selected to handle inrush current for all combinations of line voltage and frequency.

Hot plug and power on / off sequence

Once hot plug occurs, at the very first time, the initial current should be limited at 2.3 amps or lower when power off→ on. Current will stay below 50m amps at AC 120 volts while power on→off, then ramp up to full power (about 2.3 amps at AC 120 volts) within 5 seconds when power-up signal is triggered. For the shut down sequence, the current will stay at full power for about 150 m seconds or less, then ramp down to 50m amps at AC 120 volts within 1 second.

Power on LED Location and Type

Power on indicator shall be easily visible from the front of the display.

Inverter

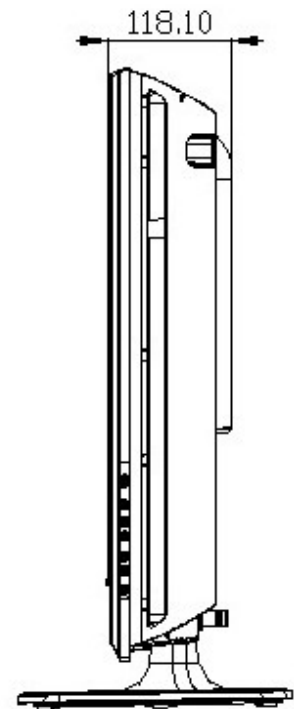
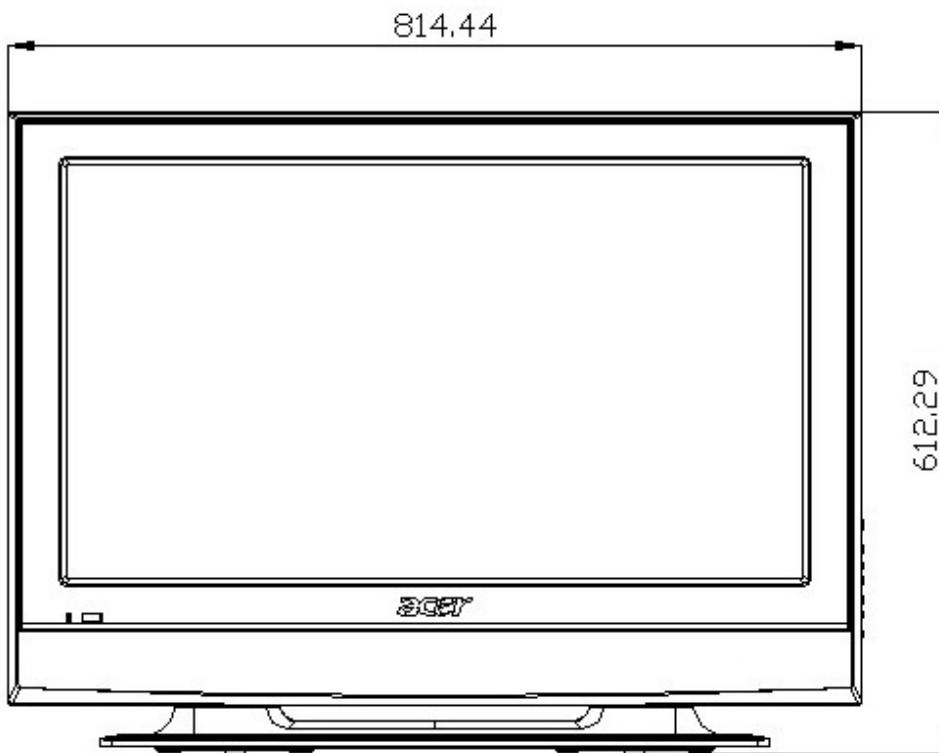
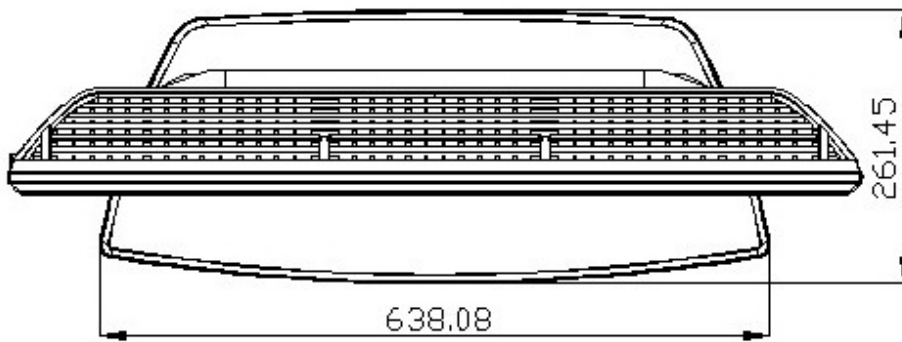
The inverter which is used to light up back-light of LCD panel shall be well designed to meet requirement of panel's specification.

Overall Dimensions

Height: 612.29 mm

Width: 814.44 mm

Depth: 261.45 mm



Environmental Requirements

This display 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 35°C

Operating humidity: 10 % to 90 % (non-condensing)

Storage and Shipping

Storage temperature: -20°C to 60°C

Shipping temperature: -20°C to 60°C

Storage humidity: 10 % to 90 % (non-condensing)

Shipping humidity: 10 % to 90 % (non-condensing)

Altitude

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

Operating altitude: 0 to 12,000 feet

Shipping altitude: 0 to 40,000 feet

Storage altitude: 0 to 40,000 feet

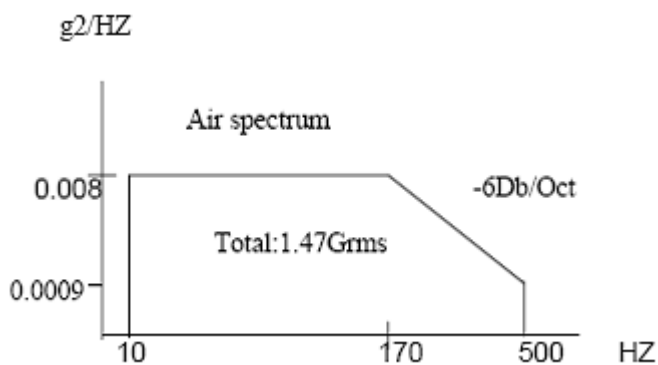
Vibration Test

The packaged display shall be capable of passing sinusoidal vibration test as specified in follows.

Test condition as below :

Package sinusoidal vibration 7Hz, 1.05G acceleration, 20min/axe, 3axes

Random vibration, 10-500 Hz, 1.47G RMS



The unit under test shall be run for a duration of 30 minute in each of following orientations :

Top and bottom side (z axis).

Left and right side (x axis).

Front and rear side (y axis).

The unit shall suffer no visible cosmetic damage and should operate no degradation indisplay quality after test. Additionally, prior to production and prior to implementation of any design or manufacturing change that might affect vibration performance, a minimum of 2 units shall be demonstrated to meet the requirements of specification.

Drop Test

The packaged display shall be capable of passing drop test as specified in following specification without any measurable degradation in performance or detectable mechanical or cosmetic damage.

Dropping way: 1 corner, 3 edges, 6 flats

Dropping Height: follow the below table

Weight(kg)	Corner, edge, F,R,Btm(cm)	L,R,Up side(cm)
0~9	51	N/A
9~18	39	N/A
18~27	36	N/A
27~45	31	N/A
45~100	25	N/A

Additionally, prior to production and prior to implementation of any design or manufacturing change that might affect vibration performance, a minimum of 2 units shall be demonstrated to meet the requirements of specification.

VESA DDC

The VGA/HDMI inputs shall be capable of continuously transmitting its Extended Display Identification (EDID) information using Display Data Channel. It shall automatically switch to DDC2 mode if a DDC2 capable host is detected in accordance with the VESA DDC standard.

In addition, the display can respond to a request for EDID, to be transmitted using DDC2, level B commands. If a DDC2 capable host is detected by the display, the display shall switch to DDC2 communication.

The EDID shall contain the manufacture name code QCI, product code, date of manufacture, and serial number.

For complete EDID data structure, please refer to VESA Extended Display Identification Data Standard.

Hardware implementation may be either integrate into micro-controller or be a separate electrical component. EDID memory must be protected against writing or other corruption through customer-accessible electrical connection and required communication channels. Password protection, use of an unpublished enable register, or use of direct electrical connection is acceptable levels of protection provided that the power-on Default State is that disabling writing. The serial number fields in the EDID must contain a unique identifying numbers among units of the same model. EDID Table is defined as below

For VGA input:

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	00	FF	FF	FF	FF	FF	FF	00	04	72	08	AC	00	00	00	00
10	2D	0F	01	03	68	46	28	78	28	E6	9D	A3	54	4A	99	26
20	0F	47	4A	AD	CE	00	81	80	01	01	01	01	01	01	01	01
30	01	01	01	01	01	01	66	21	50	B0	51	00	1B	30	40	70
40	36	00	C4	8E	21	00	00	1E	00	00	00	FD	00	32	55	1E
50	50	0B	00	0A	20	20	20	20	20	20	00	00	00	FF	00	30
60	30	30	30	31	0A	20	20	20	20	20	20	00	00	00	00	FC
70	00	41	63	65	72	20	41	54	33	32	33	35	0A	20	00	1B
00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

For HDMI input 1

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	00	FF	FF	FF	FF	FF	FF	00	04	72	08	AC	00	00	00	00
10	1E	10	01	03	80	46	28	78	2A	E6	9D	A3	54	4A	99	26
20	0F	47	4A	AD	CE	00	81	80	01	01	01	01	01	01	01	01
30	01	01	01	01	01	01	01	1D	00	72	51	D0	1E	20	6E	28
40	55	00	C4	8E	21	00	00	1E	66	21	50	B0	51	00	1B	30
50	40	70	36	00	C4	8E	21	00	00	1E	00	00	00	FD	00	32
60	55	1E	50	0B	00	0A	20	20	20	20	20	20	00	00	00	FC
70	00	41	63	65	72	20	41	54	33	32	33	35	0A	20	01	7D
02	03	19	71	46	84	13	05	14	12	03	23	09	07	07	83	
01	00	00	65	03	0C	00	10	00	01	1D	00	BC	52	D0	1E	
20	B8	28	55	40	C4	8E	21	00	00	1E	01	1D	80	18	71	
1C	16	20	58	2C	25	00	C4	8E	21	00	00	9E	01	1D	80	
D0	72	1C	16	20	10	2C	25	80	C4	8E	21	00	00	9E	8C	
0A	D0	90	20	40	31	20	0C	40	55	00	C4	8E	21	00	00	
18	BC	0A	D0	8A	20	E0	2D	10	10	3E	96	00	C4	8E	21	
00	00	18	00	00	00	00	00	00	00	00	00	00	00	00	1E	

Machine Disassembly and Replacement

General Information

This chapter contains step-by-step procedures on how to disassemble the AT4235B series 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 screwdriver

Philips screwdriver

Hexagonal screwdriver

Tweezers

Note:

The screws for the different components vary in size. During the disassembly process, please group the screws with the corresponding components to avoid mismatch when doing assembly. When you remove the boards, please be careful not to scrape them.

Warning!

The module is driven by high voltage. If you need to handle the module during operation or just after powered off, you must take proper precautions against electric shock and must not touch the drive circuit portion and metallic part of module within 10 minutes. The capacitors in the drive circuit portion remain temporarily charged even after the unit is powered off. If the residual voltage is strong enough, it could result in electric shock. Thus, we strongly suggest that you put on the wrist ground strap and put the component on the conductive mat or bag. Besides, please keep the unit grounded during the whole process of disassembly and assembly.

Before You Begin

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

- 1 Turn off the power to the TV and all peripherals.
- 2 Unplug the AC adaptor and all power and signal cables from the TV.



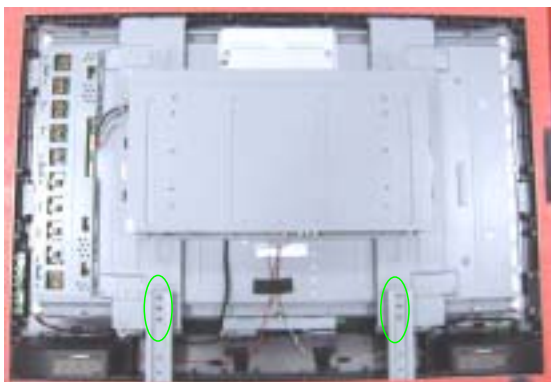
1. Remove 6pcs screws from base and take off it.



2. Remove 10pcs screws from rear cover.



3. Remove 10pcs screws from rear cover and take off it.



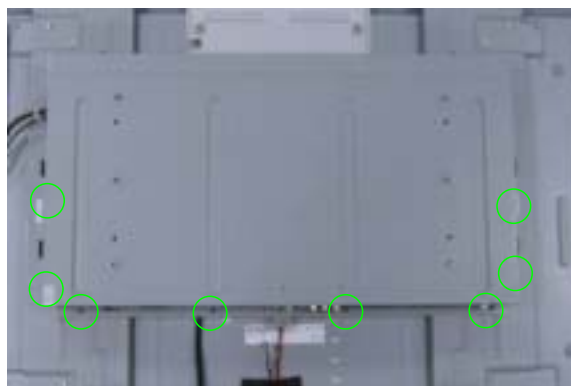
4. Remove 6pcs screws from stand brackets and take off them.



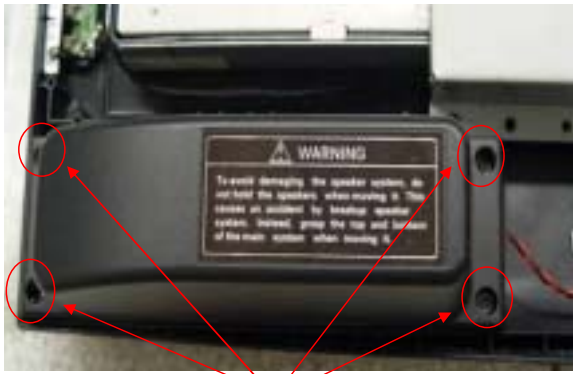
5. Remove 9pcs screws from joints.



6. Remove 6pcs screws from shielding.



7. Remove 8pcs screws from shielding and take off it.



2



3

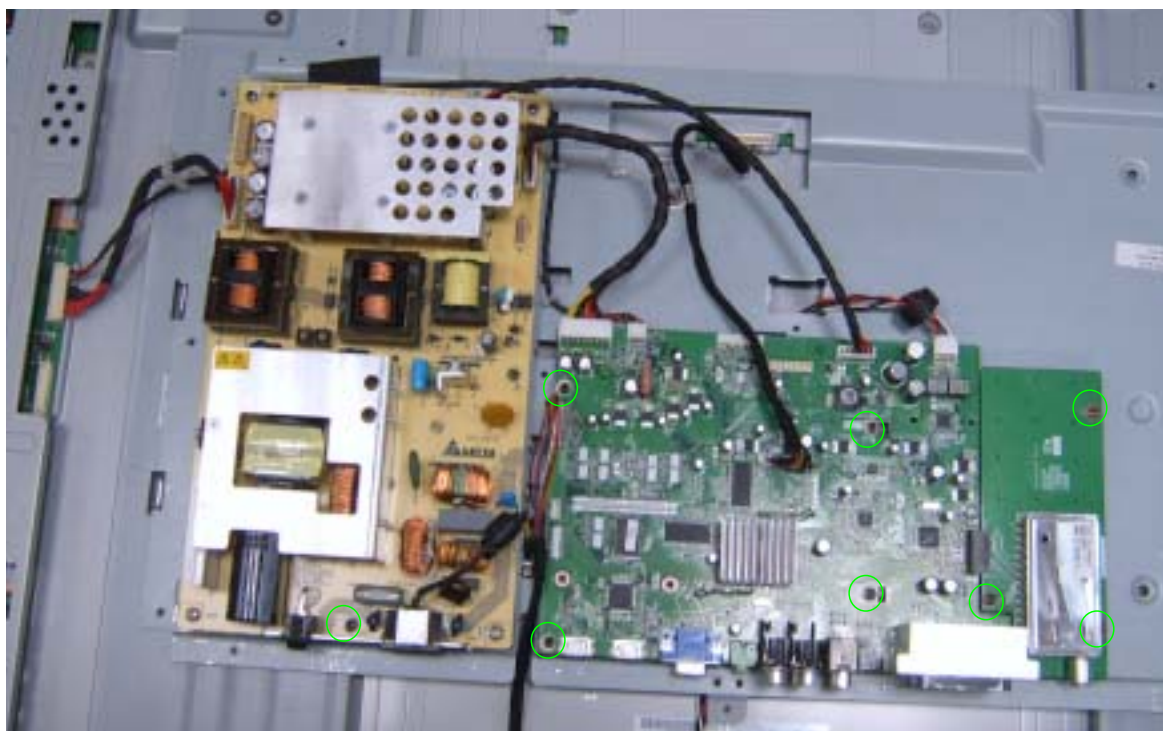
8. Remove 8pcs screws from speakers.



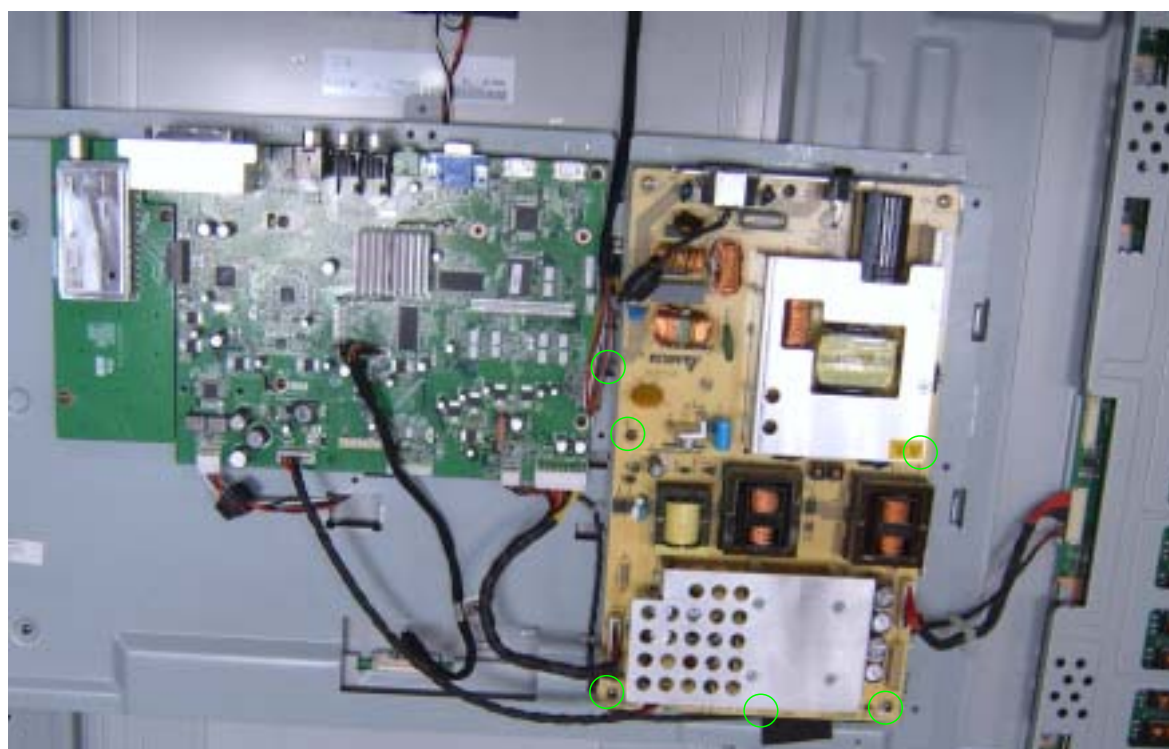
9. Remove 2pcs screws from IR/B.



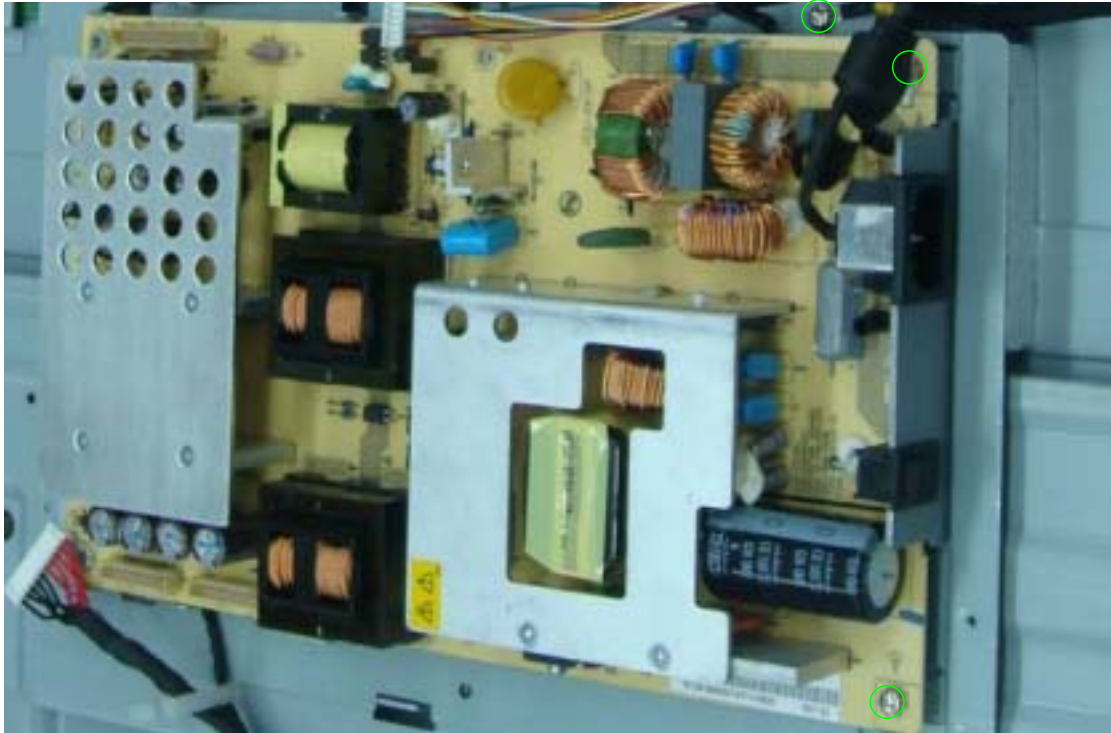
10. Remove 3pcs screws from Button/B.



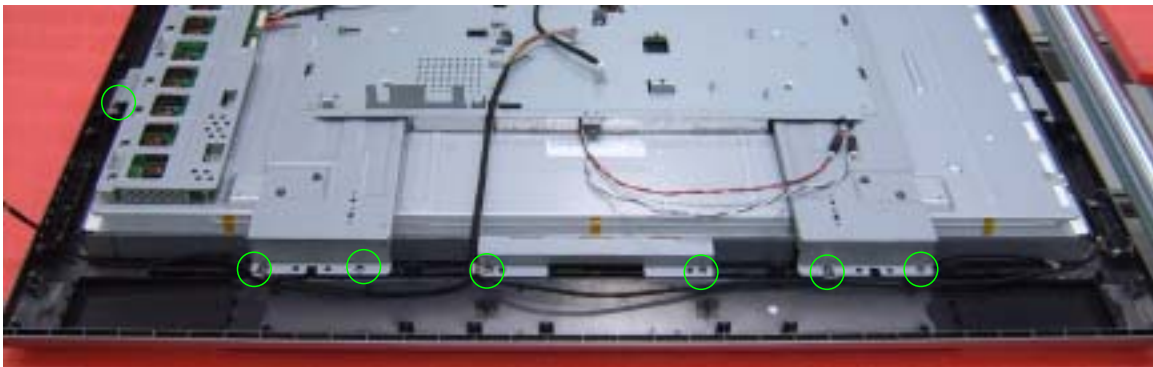
11. Remove 8pcs screws from Main/B, Power/B and IO/B.



12. Remove 6pcs screws from Power/B.



13. Remove 3pcs screws from Power/B.



14. Remove 7pcs screws from panel brackets.



15. Remove 5pcs screws as above show.



16. Remove 11pcs screws from panel brackets.



17. Remove 4pcs screws from brackets.



18. Remove 4pcs screws from panel brackets.



19. Disconnect the cables.

FRU (Field Replaceable Unit) List

This section gives you the FRU (Field Replaceable Unit) list in global configurations of AT4235B series. Please 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 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.

PARTS

PART NAME	DESCRIPTION	TVE PART NO.	ACER PART NO.
Accessory			
REMOTE	REMOTE CONTROL EURT54B009 GP	DQ754B00901	25.M7607.001
BATTERY	BATTERY LR03GW/2SK (ALKALINE 1.5V) GP	AHDALR03006	
	BATTERY LR03(SN) (ALKALINE,1.5V) GP	AHDALR03120	
BOARD			
MAIN/B	FV2E M/B ASSY(FOR FV4A)AUO GP	21FV2EMB055	55.M7607.001
IO/B	FV2E IO/B ASSY GP	23FV2EIB009	55.M5607.002
IR/B	IV2E IR/B ASSY GP	23IV2EIB012	55.M5607.004
KEYPAD/B	IV2 KEYPAD/B ASSY GP	23IV2EKB001	55.M5607.005
POWER/B	PWR 291W,DPS-291AP A(90~264VAC) GP	AF291B00007	55.M34V7.001
Cable			
CABLE LVDS	CABLE LVDS(50P/30P,290MM) IV4E GP	DDIV4ELC001	50.M7607.002
CABLE MB-PWR	CABLE ASSY MB-POW LG(170MM,10/14P)HH7 GP	DD0HH7PB104	50.M13V7.001
CABLE KEY-IR	CABLE KEY-IR(10P/9P/8P,1025MM)IV4E GP	DDIV4EMX006	50.M7607.003
CABLE PW/AUDIO	CABLE PW-AUDIO(8P/7P, 280MM)IV4E GP	DDIV4EAB009	50.M7607.001
CABLE SPEAKER	CABLE SPEAK(660MM,2P/3P,4P),HH2 GP	DD0HH2EP101	50.M12V7.005
CABLE ASSY	CABLE ASSY HV9 GND(1P/1P,2A) GP	DD0HV9TH108	50.M26V7.004
PWR CORD	PWR CORD SP-502B+IS-14 3P 1.8M(AUST)B GP	DM333181T91	27.M12V7.001
Case / Cover / Bracket / Assembly			
LCD BEZEL ASSY	HV4 LCD-BEZEL ASSY GP	36HV4LBTN04	60.M34V7.001
BACK COVER	AH4T BACK COVER ASSY GP	47AH4BC0I06	60.M34V7.002
STAND ASSY	HV4 STAND ASSY GP	27HV4SATN07	60.M34V7.003
STAND BASE	STAND BASE HV4(EAHV4002,REV3A) GP	EAHV4002014	
PANEL BKT TOP	PANEL BKT AUO R HX4(FAHX4004,REV3D) GP	FAHX4004012	33.M34V7.003
PANEL BKT DOWN	PANEL BKT AUO L HX4(FAHX4005,REV3D) GP	FAHX4005019	33.M34V7.002
STAND SUPPORT	STAND BKT HX4(FAHX4008,REV3A) GP	FAHX4008018	33.M34V7.001
LCD			
LCD	LCD TFT 42 T420XW01V5 WXGA(QCI CON)GP	AA0420XW003	LK.42005.002
LCD	LCD(TFT)42" T420XW01V5 WXGA STN B/S GP	AA0420XW004	LK.42005.002
LABEL			
LABEL (POWER)	LABEL (POWER) HV4(HCHV4001,REV3A) GP	HCHV4001010	40.M34V7.001
LABEL (BUTTONS)	LABEL (BUTTONS) HV9(HCHV9006,REV3B) GP	HCHV9006010	
LABEL (IO&TUNER)	LABEL(I/O.TUNER) FV2E(HCFV2E01,R3B)GP	HCFV2E01011	40.M5607.002
BOX LABEL	BOX LABEL(130WX150L)VT1(HCVT1004,R3A) GP	HCVT1004017	
RATING LABEL	RATING LABEL IV4E(HCIV4E01,3A)MIC GP	HCIV4E01014	
MISCELLANEOUS			

GASKET LVDS	EMI GASKET LVDS HX4(GBHX4002,3A) GP	GBHX4002011	47.M34V7.004
GASKET UP	EMI GASKET UP HX4(GBHX4003,3A) GP	GBHX4003017	47.M34V7.005
GASKET DOWN	EMI GASKET DOWN HX4(GBHX4004,3A) GP	GBHX4004013	47.M34V7.006
GASKET POWER	EMI GASKET POWER HX4(GBHX4005,3A) GP	GBHX4005010	47.M34V7.007
GASKET HV4A	GASKET HV4A(GBHV4A01,3A) GP	GBHV4A01013	47.M7607.004
GASKET TUNER	GASKET 15X15 TUNER IV6(GBIV6E01,R3A)GP	GBIV6E01011	
SCREW			
SCREW	SCREW M4*8-B(BNI)(WASHER+SPRING) GP	MS40080BAF1	86.M4207.003
SCREW	SCREW T4*12-B(BNI) GP	ME40120BJ24	86.M25V7.003
SCREW	SCREW M4*6 P (NI) GP	MM40060PCE2	86.M01V7.002
SCREW	SCREW M4*22-B(BNI+WASHER+SPRING) GP	MM40220BK82	86.M34V7.002
SCREW	SCREW F3.0*6-B(NI)GP	MF30060BBJ6	86.M25V7.002
SCREW	SCREW T3*8-B(BNI) GP	MT30080BJ20	86.M08V7.007
SCREW	SCREW M3*6-B(BNI) GP	MM30060BJ25	86.M08V7.003
SCREW	SCREW M4.0*8-B(NI)GP	MM40080BBJ4	
SCREW	SCREW T4*12 B (NI) GP	MT40120BBJ6	
SCREW	SCREW M4*22-HEX P(BNI) GP	MS40220P003	
IO NUT EA1	NUT IO EA1(MBEA1001,REV3D)GP	MBEA1001012	86.M25V7.001

Exploded parts list

ITEM	DESCRIPTION	TVI PART NO.	ACER PART NO.	QTY
1	HV4 LCD-BEZEL ASSY GP	36HV4LBTN04	60.M34V7.001	1
2	AH4T BACK COVER ASSY GP	47AH4BC0I06	60.M34V7.002	1
3	HV4 STAND ASSY GP	27HV4SATN07	60.M34V7.003	1
4	STAND COVER HX4(EAHX4004,REV3B) GP	EAHX4004012	42.M34V7.001	1
5	HV7E FUNCTION KEY ASSY GP	3JHV7EKA008	60.M8207.001	1
6	WIRE SADDLE CHA-4 VV3(EBVV3006,REV3A) GP	EBVV3006014	42.M03V7.012	1
7	WIRE SADDLE MWS-7 VV3(EBVV3010,REV3A) GP	EBVV3010011	42.M03V7.013	2
8	CHASSIS IV4E(FAIV4E01,REV3A) GP	FAIV4E01012	60.M7607.001	1
9	SHIELDING EU IV4E(FAIV4E02,REV3A) GP	FAIV4E02019	33.M7607.001	1
10	PANEL BKT AUO R HX4(FAHX4004,REV3D) GP	FAHX4004012	33.M34V7.003	1
11	PANEL BKT AUO L HX4(FAHX4005,REV3D) GP	FAHX4005019	33.M34V7.002	1
12	STAND BKT HX4(FAHX4008,REV3A) GP	FAHX4008018	33.M34V7.001	2
13	CLAMP AUO-V5 R/L HX4(FBHX4P06,REV3A) GP	FBHX4P06019	47.M7607.002	4
14	CLAMP AUO-V5 D HX4(FBHX4P07,REV3A) GP	FBHX4P07015	47.M7607.003	1
15	GASKET HV4A(GBHV4A01,3A) GP	GBHV4A01013	47.M7607.004	2
16	EMI GASKET LVDS HX4(GBHX4002,3A) GP	GBHX4002011	47.M34V7.004	1
17	EMI GASKET UP HX4(GBHX4003,3A) GP	GBHX4003017	47.M34V7.005	3
18	EMI GASKET DOWN HX4(GBHX4004,3A) GP	GBHX4004013	47.M34V7.006	1
19	EMI GASKET POWER HX4(GBHX4005,3A) GP	GBHX4005010	47.M34V7.007	1
20	LABEL (POWER) HV4(HCHV4001,REV3A) GP	HCHV4001010	40.M34V7.001	1
21	EMI CONTACT PAD HX4(JXHX4001,3A) GP	JXHX4001015	47.M34V7.003	1
22	NUT IO EA1(MBEA1001,REV3D)GP	MBEA1001012	86.M25V7.001	2
23	SCREW T4*12-B(BNI) GP	ME40120BJ24	86.M25V7.003	42
24	SCREW F3.0*6-B(NI)GP	MF30060BBJ6	86.M25V7.002	3
25	SCREW M3*6-B(BNI) GP	MM30060BJ25	86.M08V7.003	37
26	SCREW M4*6 P (NI) GP	MM40060PCE2	86.M01V7.002	3
27	SCREW M4*22-B(BNI+WASHER+SPRING) GP	MM40220BK82	86.M34V7.002	6
28	SCREW T3*12-P	MS30120PCT3	86.M3507.004	8
29	SCREW M4*8-B(BNI)(WASHER+SPRING) GP	MS40080BAF1	86.M4207.003	8
30	SCREW T3*8-B(BNI) GP	MT30080BJ20	86.M08V7.007	5

