

Disassembly Assessment Report

Product Name : LCD Monitor

Model No. : XCB3494WQSU-B1

Performance Date : 2024/12/30

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1. Product General Information

•Model No. : XCB3494WQSU-B1

•Spec. :

- 34" with texture outlook
- Resolution: 3440 x 1440
- DP, & HDMI input with USB 2.0
- TFT-LCD panel type; LED backlight
- Response Time: 14ms (TYP)
- Luminance: 350 cd/m2 (TYP.)
- Contrast ratio: 3000:1 (TYP.)
- View angle: Horizontal: 89 (TYP.)
Vertical: 89 (TYP.)

• Approval environment standard :

- RoHS
- REACH-SVHC
- WEEE

2. Product Assembly

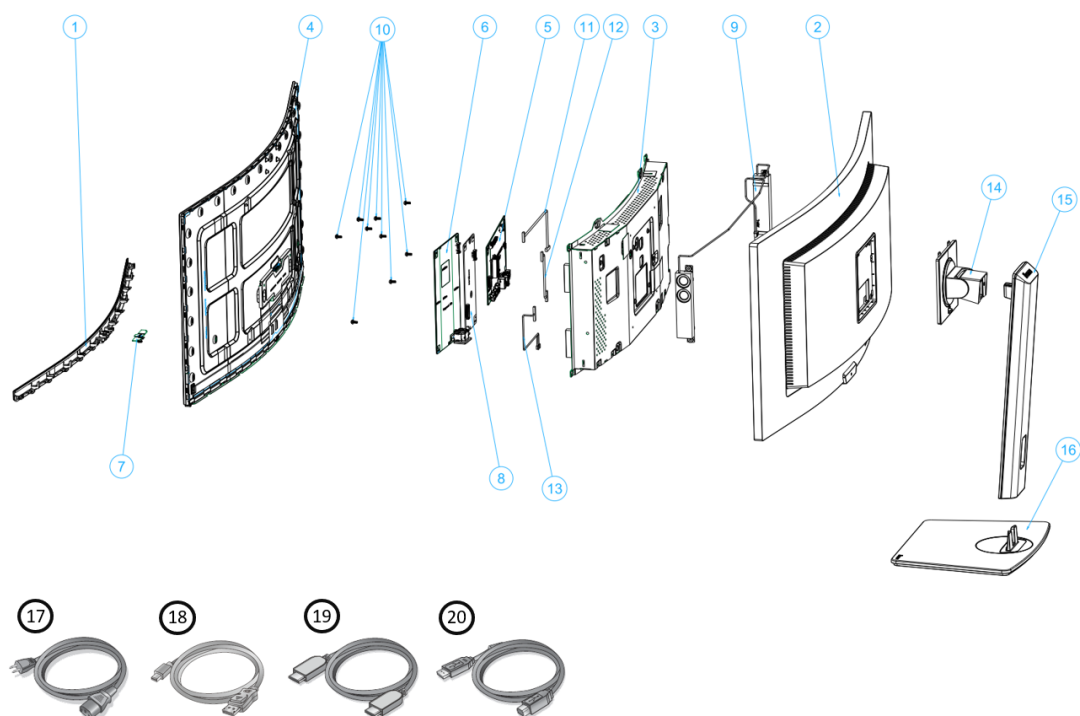


Table 1 Disassembly parts list

No	Description	No	Description	No	Description
1	DECO	2	RC	3	SHD
4	Panel	5	PCBA IF	6	PCBA SPS
7	PCBA Ctrl	8	PCBA Driver	9	Speaker
10	Screw	11	Wire SPS to IF	12	Wire IF to Driver
13	Wire to Panel	14	VESA	15	Column
16	Base	17	Power Cord	18	Cable DP
19	Cable HDMI	20	Cable USB2.0		

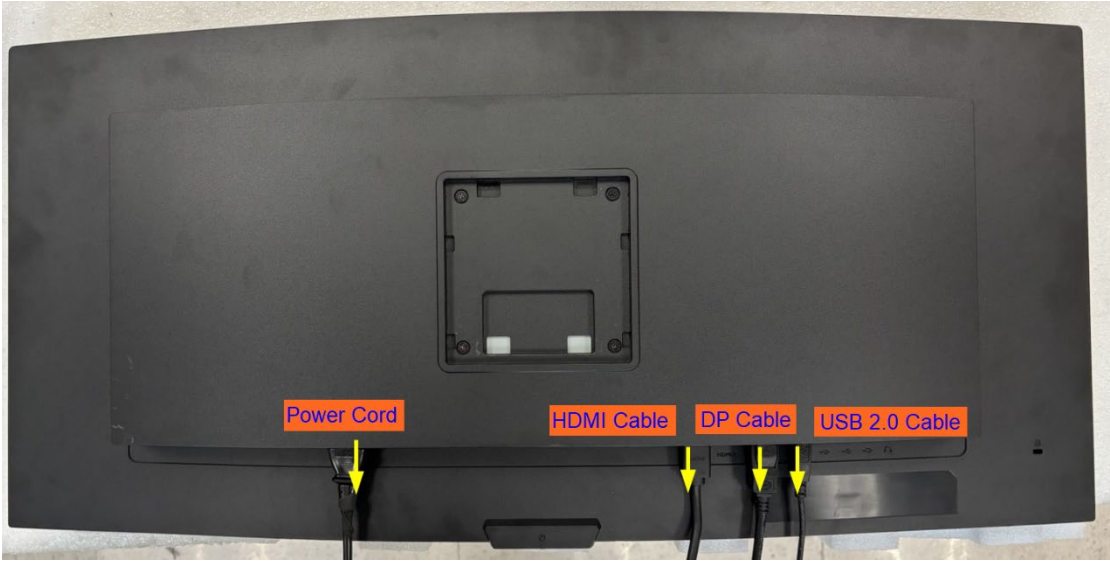
Table 2 Recycled characteristics

Recycled characteristics	Part No.
Reuse	X
Recycled	1, 2, 3, 14, 15, 16
WEEE annex VII	4, 5, 6, 7, 8, 17, 18, 19, 20
Recovery	(Rubber in 16)
Disposal	9, 10, 11, 12, 13,

3, Disassembly Tools

Tool	picture
Philips Screwdriver for M3 screw	
nosed pliers	
Diagonal Cutting Pliers	
Slotted screwdriver	
Six Point Sockets	
Philips Screwdriver for M2.5 screw	
knife	

4, Disassembly process

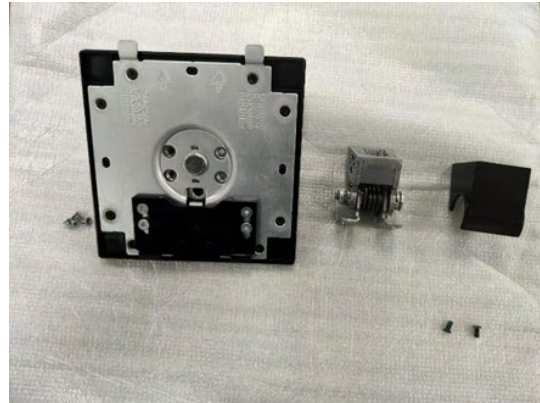
Remove external cable (WEEE ANNEX VII), Then start the disassembly process.	TOOL
a. Remove DP cable (Press button on DP connector to unlock before unplug). b. Remove Power Cord, HDMI cable, USB2.0 Cable, USB Type-C Cable 	Hand
1.Remove ASSY Stand	TOOL
1.1 Unlock by release button. 	Hand

1.2 Release thumb-screw to disassemble the VESA module from Stand



Hand

1.3 Remove screw to disassemble Hinge from VESA



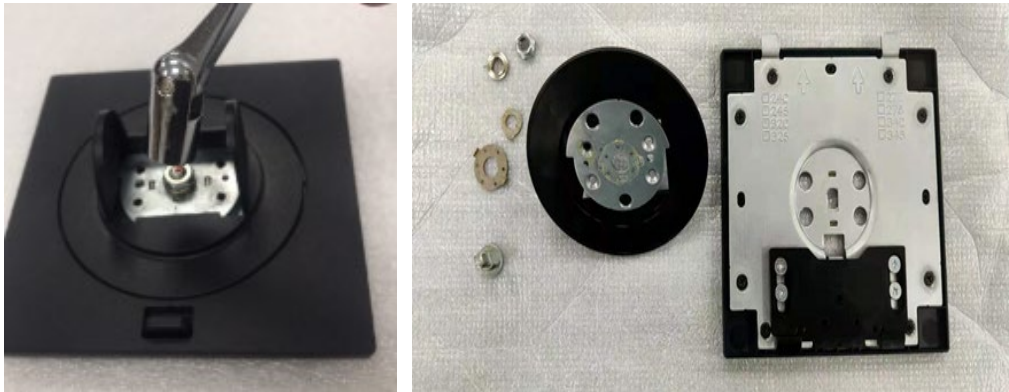
Screwdriver

1.4 To disassemble hinge module to parts



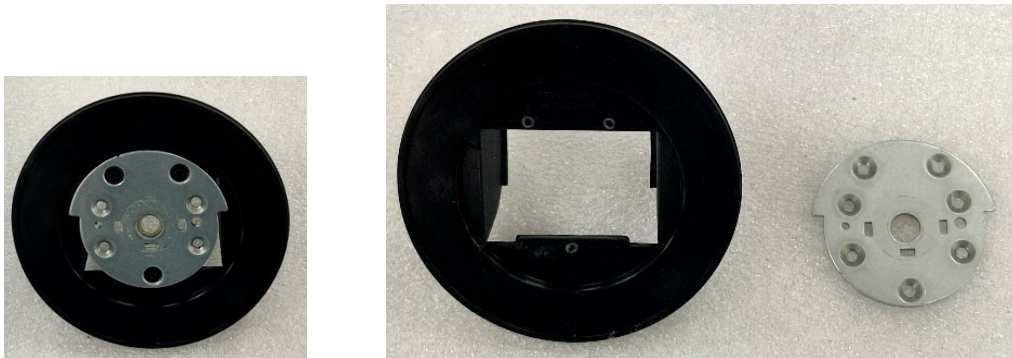
Screwdriver

1.5 To use box socket wrench to release nut , tear down the pivot module



Box socket

1.6 To dismantle bracket and plastic



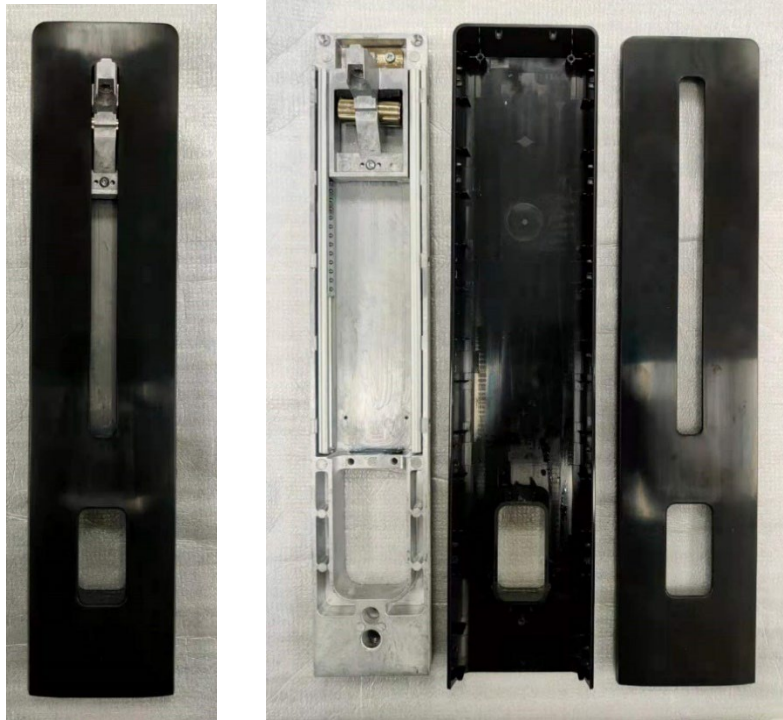
Screwdriver

1.7 Release thumb screw to dismantle base and neck



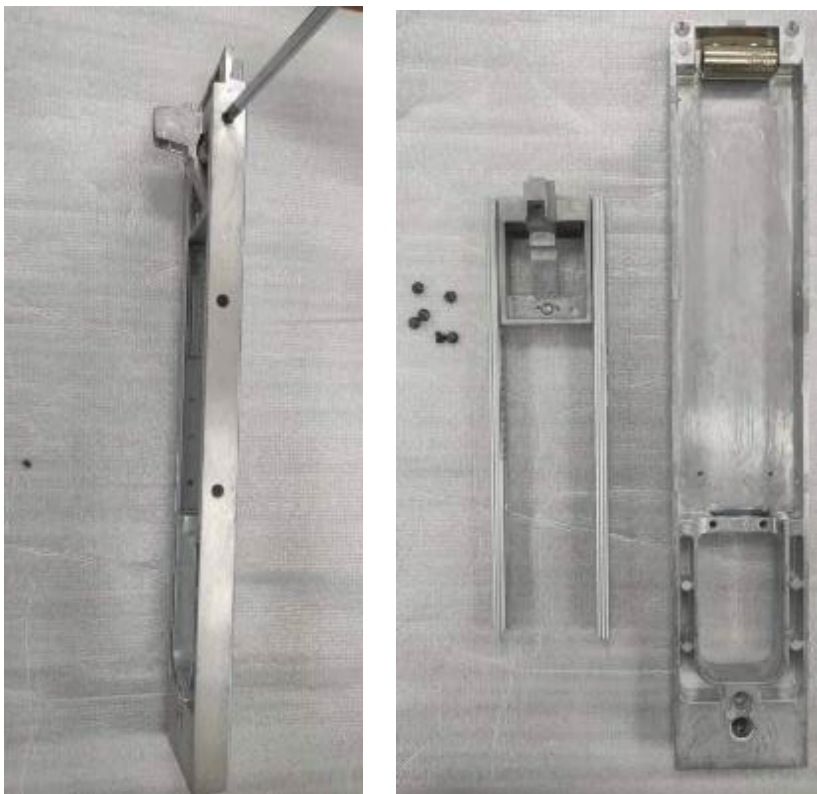
Hand

1.8 Remove the front cover, back cover,



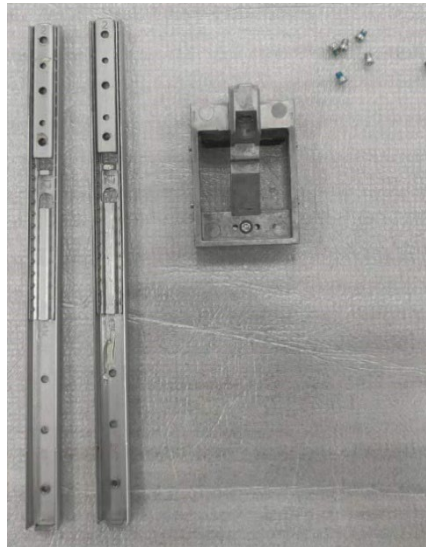
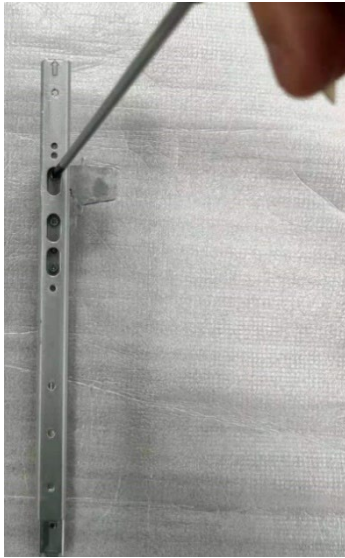
Screwdriver

1.9 Remove slider from riser module by loosening screws



Screwdriver

1.10 R Remove slider by loosening screw



Screwdriver

1.11 Disassembly of base semi-finished products with a screw driver



Screwdriver

1.12 Remove the rubber from base product by hand



Screwdriver

1.13 Remove the screws and plastic parts with a screwdriver



Screwdriver

1.12 Remove the rubber from base product by hand



Screwdriver

1.13 Remove the screws and plastic parts with a screwdriver

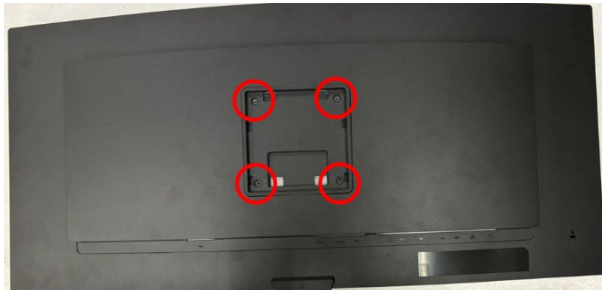


Screwdriver

2.Remove Rear Cover

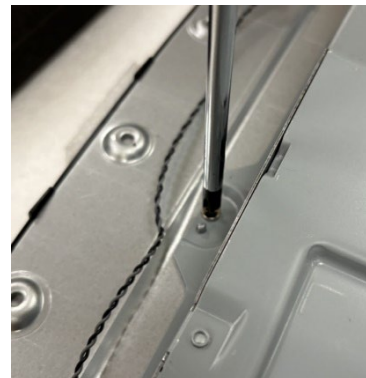
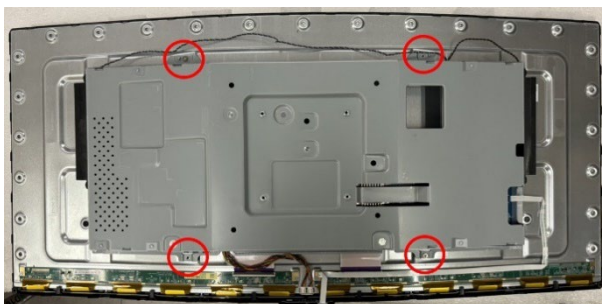
TOOL

2.1 Release screw and remove rear cover



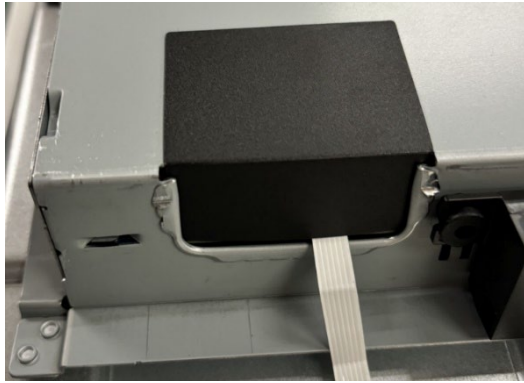
Screwdriver

2.2 Release screw and remove main shield



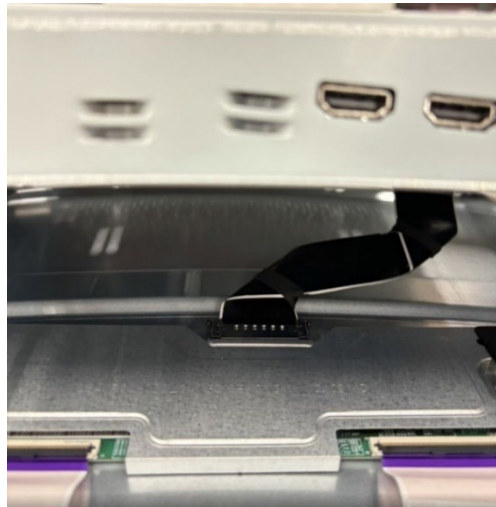
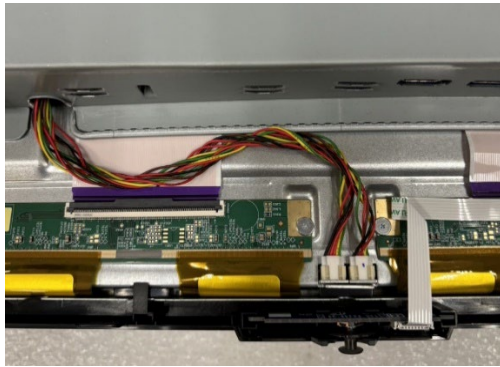
Screwdriver

2.3 Remove Mylar by hand and disconnect FFC



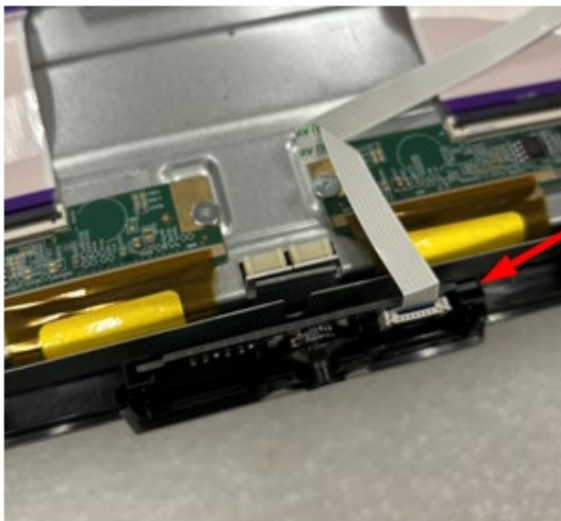
Hand

2.4 Disconnect wire & e-DP



Hand

2.5 Remove PCBA from Deco and remove FFC



WEEE ANNEX VII ITEM

Hand

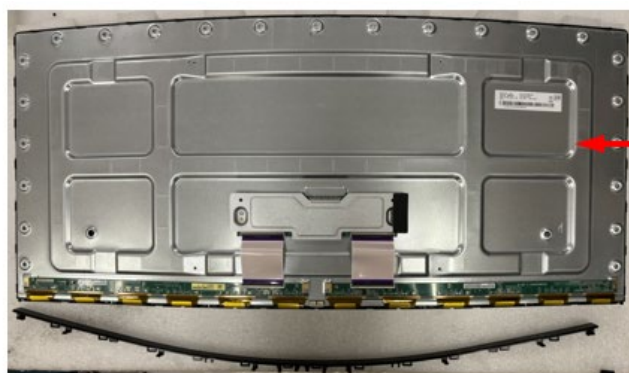
3. Remove Deco

3.1 Disassemble Deco and panel



Hand

3.2 Panel

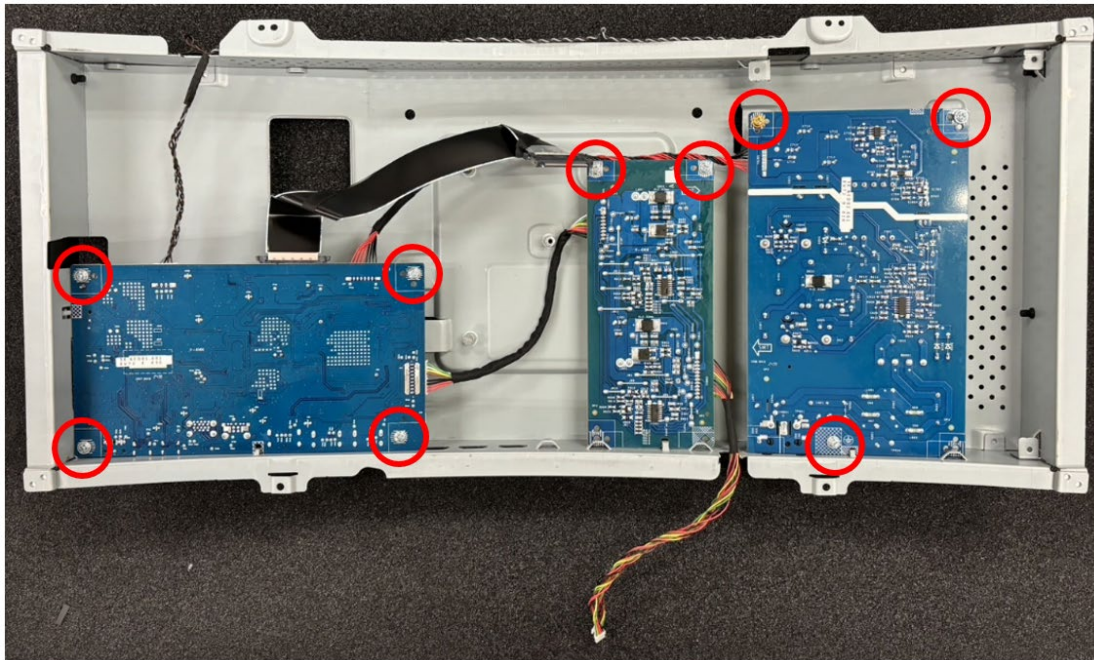


WEEE ANNEX VII ITEM

Hand

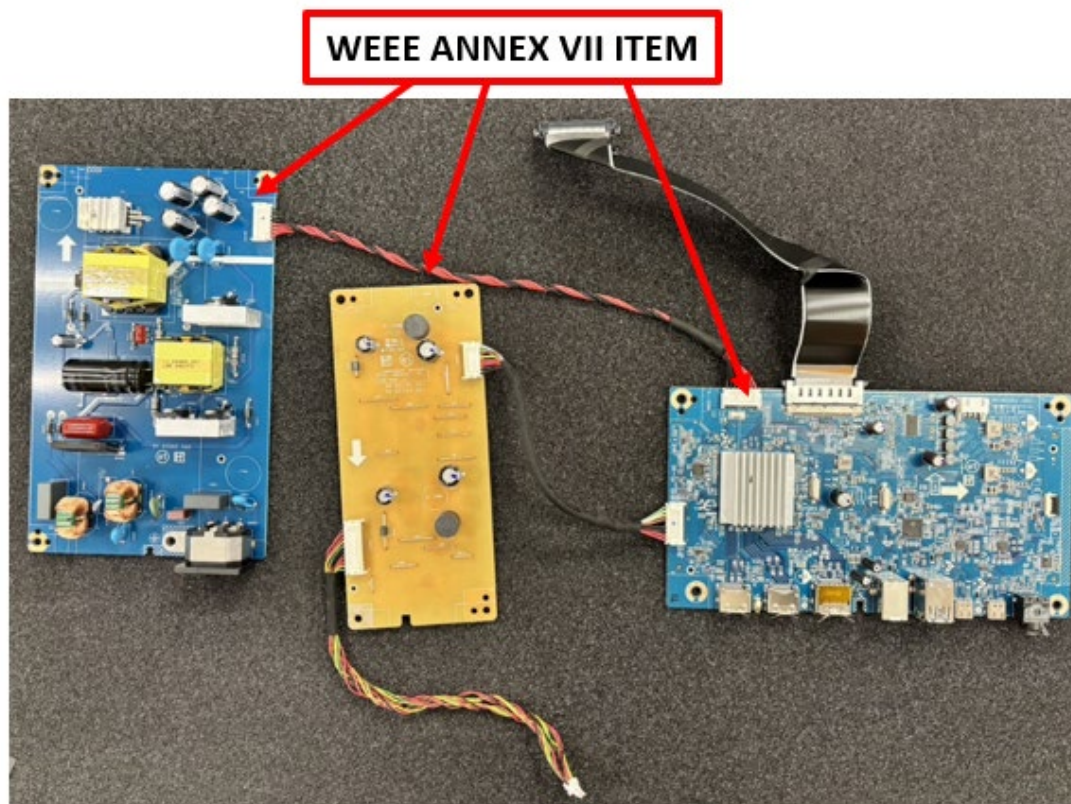
4. Disassemble Internal PCBA

4.1 Unlock all screws on PCBA



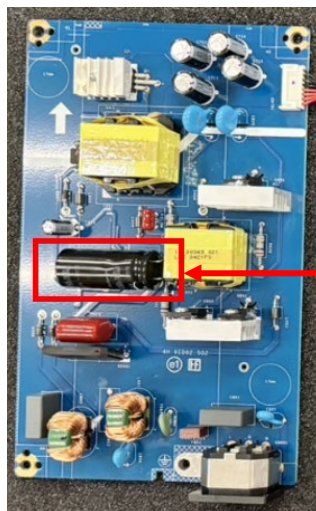
Screwdriver

4.2 Disconnect all wire and e-DP



Hand

4.3 Remove > 2.5cm ECAP from PCBA.



WEEE annex VII Item

Diagonal
Cutting
Pliers

5. Accessory cables



POWER CORD



CABLE DP



CABLE HDMI



CABLE USB 2.0

WEEE annex VII External cable

5, Disassembly Time

Total time: 5 minutes and 20 seconds

6, Material Category

Table 3 Material Classification

Category	weight(g)	percentage(%)
PCBA (<=10cm2)	5.00	0.05
Plastic	1318.60	13.84
Metal	3492.00	36.64
Cable	1.20	0.01
Glass	0.00	0.00
Rubber	3.00	0.03
Other	0.00	0.00
ANNEX VII-Panel	4050.00	42.50
ANNEX VII-Others	660.20	6.93

7, Assessment Table

Table 4 Recycled Characteristic

Characteristics of Product Recycling	Result
Reuse(A)	0.00 g
Recycled(B)	8573.55 g
Energy Recovery(C)	3.00 g
Disposal(D) =(E) - { (A)+(B)+(C) }	953.45 g
Product Weight(E)	9530.00 g
R1':Reuse & Recycled Rate ={ (A)+(B) } / (E)	89.96 %
R2':Recovery Rate ={ (A)+(B)+(C) } / (E)	90.00 %

8, Summary

Table 5 Summary of the Assessment

Assessment specification	WEEE Directive 2012/19/EU		
WEEE Directive Product Category	Monitors		
	WEEE requirement	Disassembly result	Judgment (Pass/Fail)
Reuse + Recycled Rate(%)	70	89.96	PASS
Recovery Rate(%)	80	90.00	PASS

Annex:

Hazards for particular dangerous substance

The following substances, preparations, or components should be disposed of or recovered separately from WEEE in compliance with Article 4.

Capacitors / condensers (containing PCB/PCT)	No used
Mercury containing components	No used
Batteries	No used
Printed circuit boards (with a surface greater than 10 square cm)	Product has printed circuit boards (with a surface greater than 10 square cm)
Component contain toner, ink and liquids	No used
Plastic containing BFR	No used
Component and waste contain asbestos	No used
CRT	No used
Component contain CFC, HCFC, HFC and HC	No used
Gas discharge lamps	No used
LCD display > 100 cm ²	Product has an LCD greater than 100 cm ²
External electric cable	Product has external cables
Component contain refractory ceramic fibers	No used
Component contain radio-active substances	No used
Electrolyte capacitors (height > 25mm, diameter > 25mm)	Product has electrolyte capacitors (height >25mm, diameter > 25mm)