

# Disassembly Assessment Report

**Product Name :** LCD Monitor

**Model No. :** XCB3497WQSNP-B1

**Performance Date :** 2024/12/19

# **Contents**

1. Product General Description

2. Product Assembly

3. Disassembly Tools

4. Disassembly Process

5. Disassembly Time

6. Material Category

7. Assessment Table

8. Summary

Annex:

Hazards for particular dangerous substance

# **1. Product General Information**

•Model No. : XCB3497WQSNP-B1

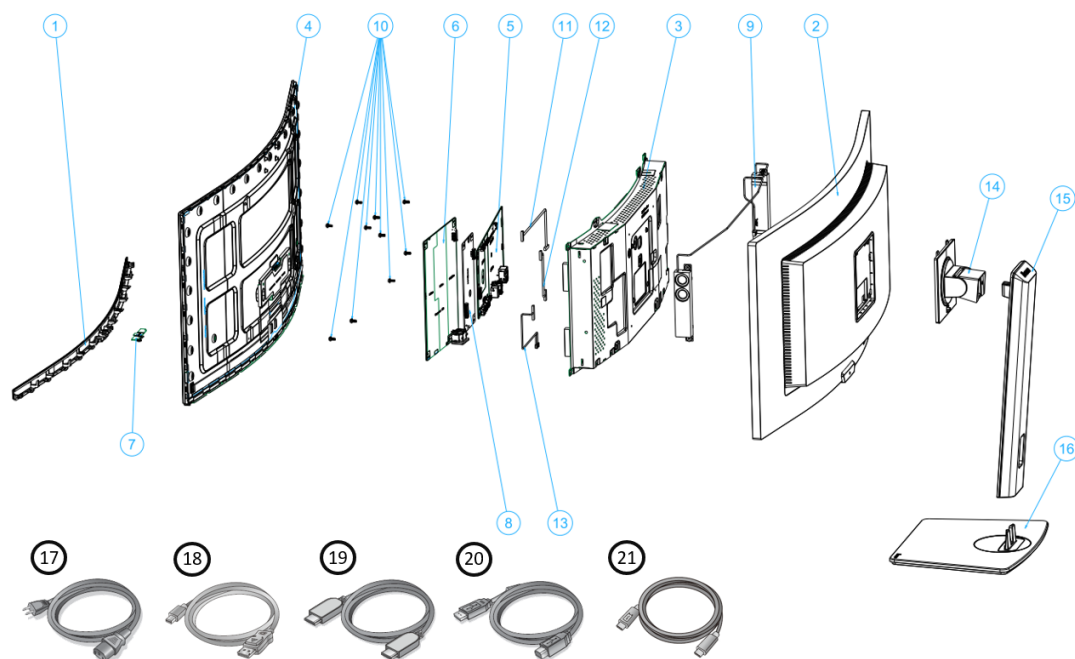
•Spec. :

- 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   | 21 | Cable type-C      |

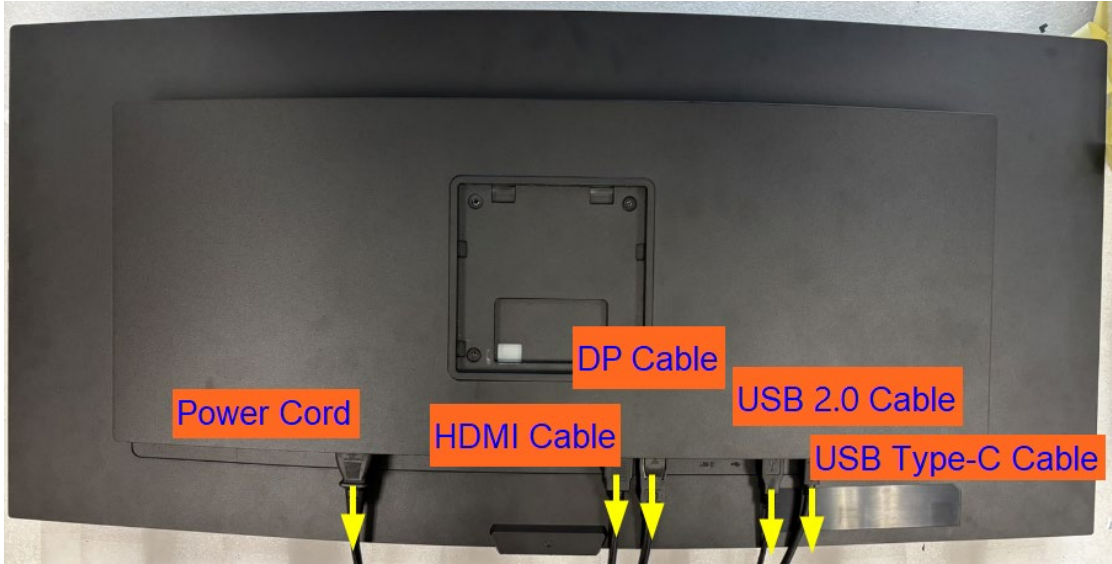
**Table 2 Recycled characteristics**

| 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, 21 |
| Recovery                 | (Rubber in 16)                    |
| Disposal                 | 9, 10, 11, 12, 13,                |

### **3, Disassembly Tools**

| Tool                                  | picture                                                                              |
|---------------------------------------|--------------------------------------------------------------------------------------|
| Philips Screwdriver<br>for M3 screw   |    |
| nosed pliers                          |     |
| Diagonal Cutting<br>Pliers            |     |
| Slotted screwdriver                   |    |
| Six Point Sockets                     |   |
| Philips Screwdriver<br>for M2.5 screw |  |
| knife                                 |  |
| #10 Box socket<br>wrench for M6 nut   |  |

## 4, Disassembly process

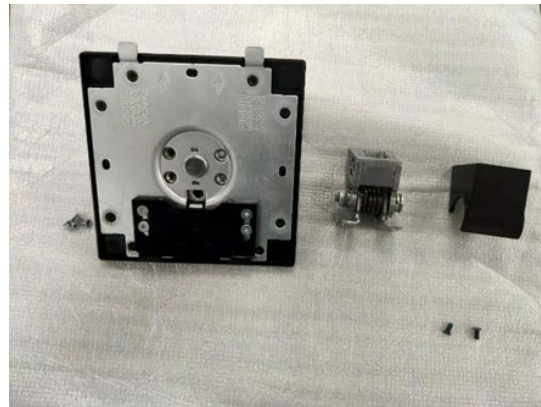
|                                                                                                                                                                                                                                               |             |
|-----------------------------------------------------------------------------------------------------------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

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



Hand

1.3 Remove screw to disassemble Hinge from VESA



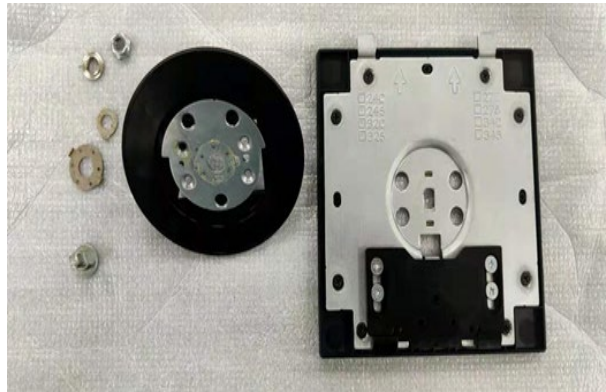
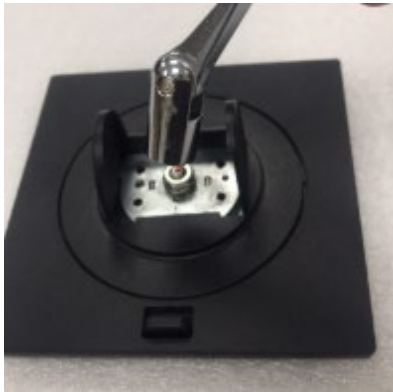
Screwdriver

1.4 To disassemble hinge module to parts



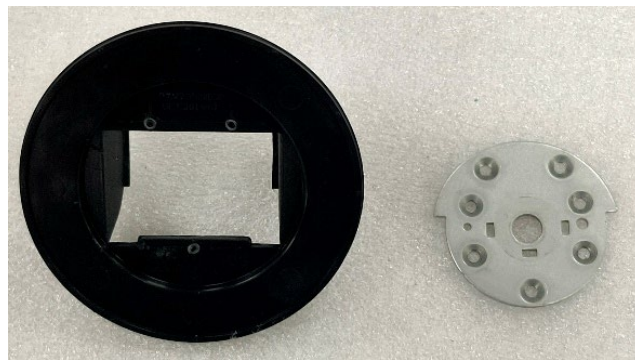
Screwdriver

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



Box socket

1.6 To dismantle bracket and plastic



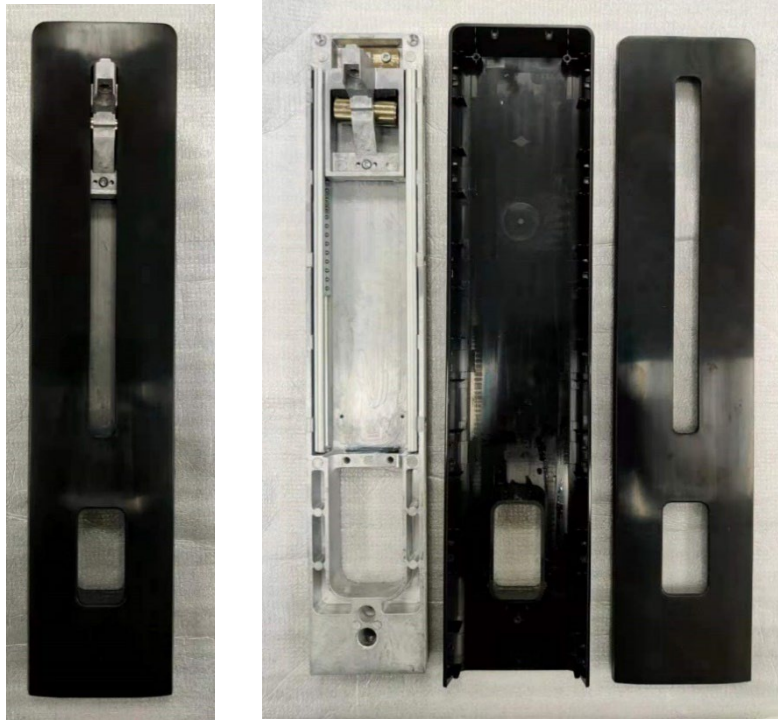
Screwdriver

1.7 Release thumb screw to dismantle base and neck



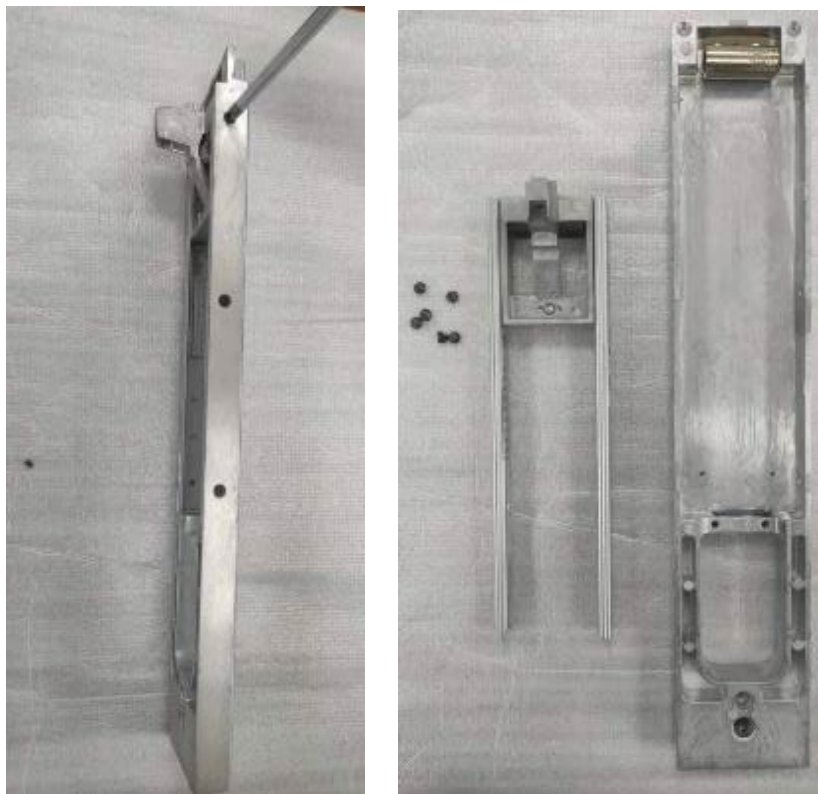
Hand

1.8 Remove the front cover, back cover,



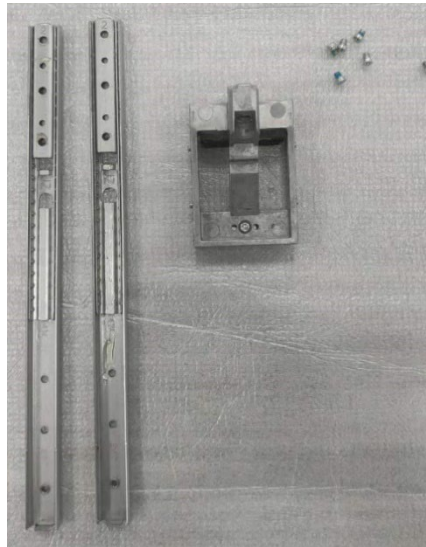
Screwdriver

1.9 Remove slider from riser module by looseing screws



Screwdriver

1.10 R Remove slider by loosening screw

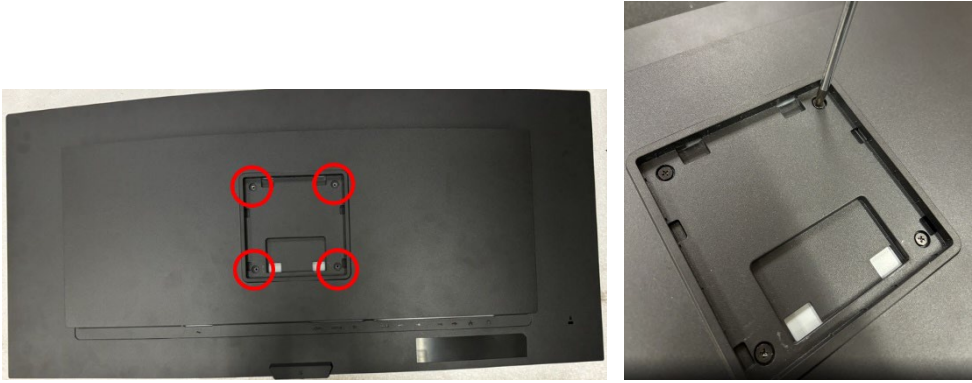


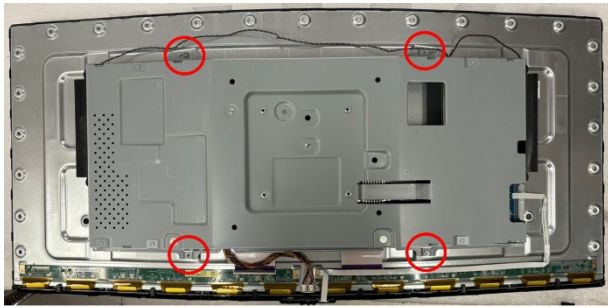
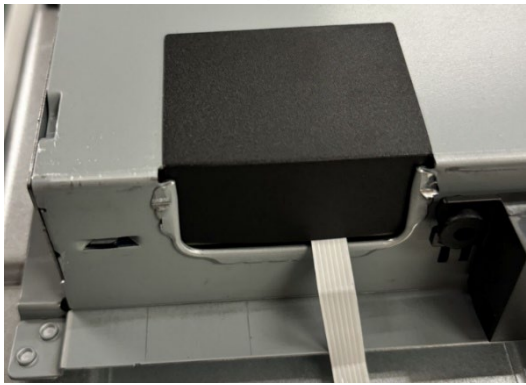
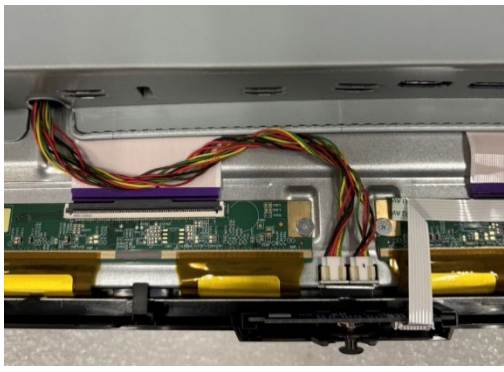
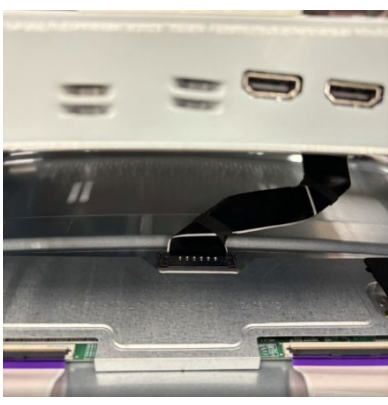
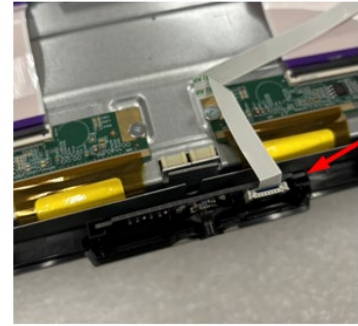
Screwdriver

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



Screwdriver

|                                                                                                                                                        |                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <p>1.12 Remove the rubber from base product by hand</p>              | <p>Screwdriver</p> |
| <p>1.13 Remove the screws and plastic parts with a screwdriver</p>  | <p>Screwdriver</p> |
| <p><b>2.Remove Rear Cover</b></p>                                                                                                                      | <p>TOOL</p>        |
| <p>2.1 Release screw and remove rear cover</p>                     | <p>Screwdriver</p> |
| <p>2.2 Release screw and remove main shield</p>                                                                                                        | <p>Screwdriver</p> |

|                                                                                                                                                                                                                                              |                                                                                      |             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------|
|                                                                                                                                                             |    |             |
| <p>2.3 Remove Mylar by hand and disconnect FFC</p>                                                                                                                                                                                           |                                                                                      | <p>Hand</p> |
|                                                                                                                                                            |   |             |
| <p>2.4 Disconnect wire &amp; e-DP</p>                                                                                                                                                                                                        |                                                                                      | <p>Hand</p> |
|                                                                                                                                                           |  |             |
| <p>2.5 Remove PCBA from Deco and remove FFC</p>                                                                                                                                                                                              |                                                                                      | <p>Hand</p> |
|  <div data-bbox="587 1588 893 1635" style="border: 1px solid red; color: red; padding: 2px; display: inline-block;">       WEEE ANNEX VII ITEM     </div> |                                                                                      |             |

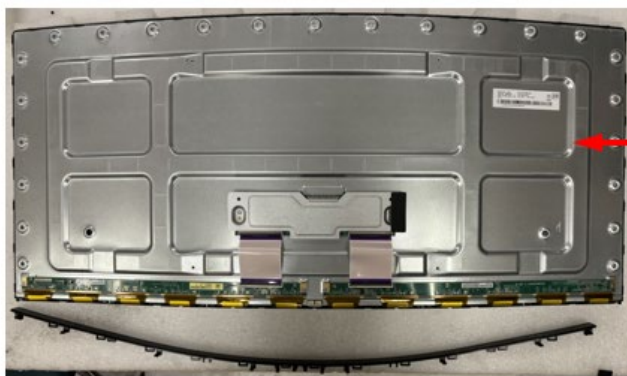
### 3. Remove Deco

#### 3.1 Disassemble Deco and panel



Hand

#### 3.2 Panel

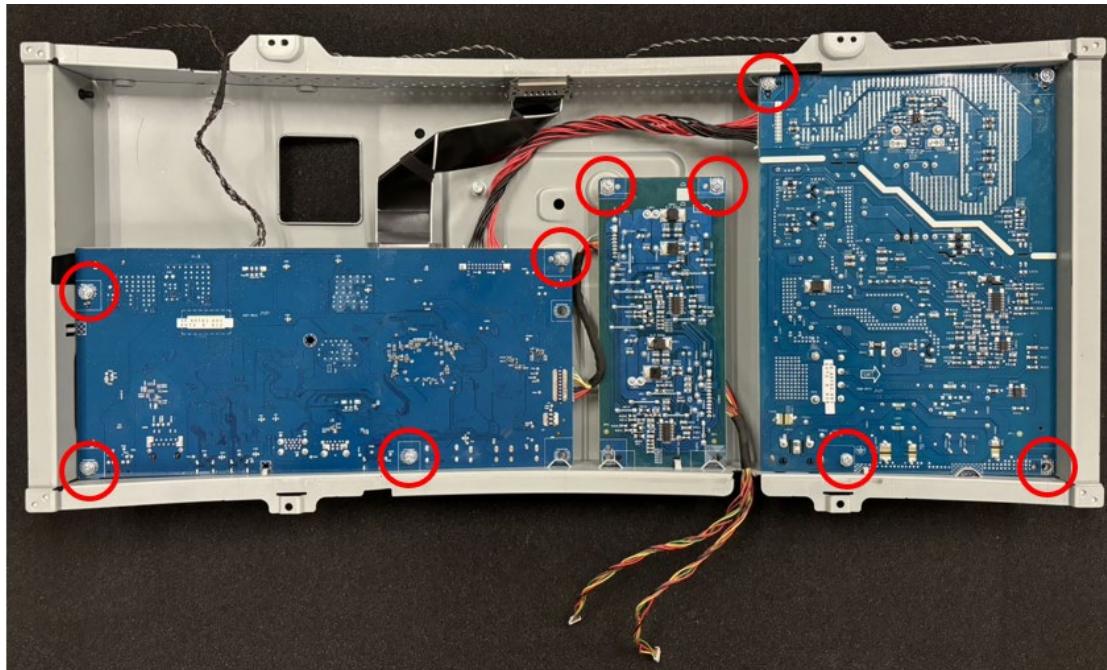


WEEE ANNEX VII ITEM

Hand

### 4. Disassemble Internal PCBA

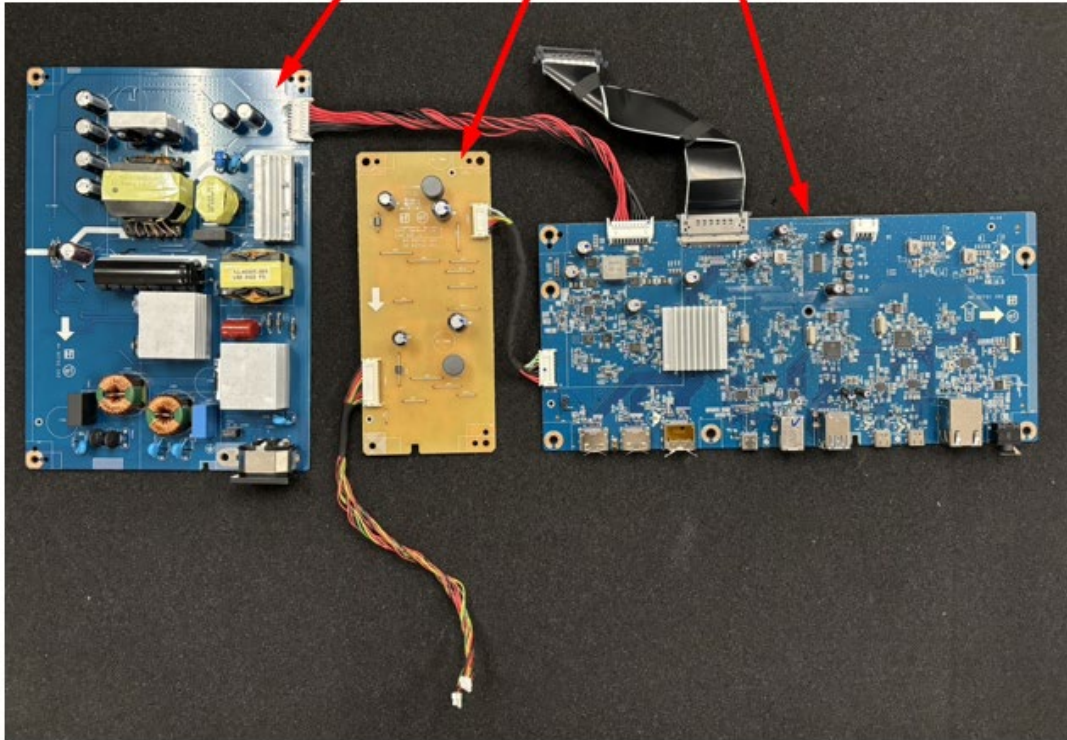
#### 4.1 Unlock all screws on PCBA



Screwdriver

#### 4.2 Disconnect all wire and e-DP

**WEEE ANNEX VII ITEM**



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



CABLE USB Type-C

**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   | 13.61         |
| Metal            | 3453.20   | 35.64         |
| Cable            | 0.00      | 0.00          |
| Glass            | 0.00      | 0.00          |
| Rubber           | 3.00      | 0.03          |
| Other            | 0.00      | 0.00          |
| ANNEX VII-Panel  | 4050.00   | 41.80         |
| ANNEX VII-Others | 860.20    | 8.88          |

## **7, Assessment Table**

**Table 4 Recycled Characteristic**

| Characteristics of Product Recycling         | Result    |
|----------------------------------------------|-----------|
| Reuse(A)                                     | 0.00 g    |
| Recycled(B)                                  | 8699.45 g |
| Energy Recovery(C)                           | 3.00 g    |
| Disposal(D) =(E) - { (A)+(B)+(C) }           | 987.55 g  |
| Product Weight( E )                          | 9690.00 g |
| R1':Reuse & Recycled Rate ={ (A)+(B) } / (E) | 89.78 %   |
| R2':Recovery Rate ={ (A)+(B)+(C) } / (E)     | 89.81 %   |

## 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                        | 89.78              | PASS                 |
| Recovery Rate(%)                | 80                        | 89.81              | 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 <sup>2</sup>                                 | Product has an LCD greater than 100 cm <sup>2</sup>                           |
| 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)            |