

# TEST REPORT

**Company Name** : Shenzhen iBoard Technology Co., Ltd.

**Company Address** : 1001, Block A, Tanglangcheng Square (West Zone), Fuguang Community,  
Taoyuan Street, Nanshan District, Shenzhen, Guangdong, China

**Report on the submitted samples said to be:**

**Brand Name** : Interactive Flat Panel Display /Touch Screen Display/Touch Screen Monitor

**Brand Name** : IBoard, StarBoard

**Model No.** : TE-MP-98 , TE-MP-55, TE-MP-65, TE-MP-75 , TE-MP-86  
(Other Model Names are attached within APPENDIX I)

**Manufacture** : Shenzhen iBoard Technology Co., Ltd.

**Address** : 1001, Block A, Tanglangcheng Square (West Zone), Fuguang Community, Taoyuan Street, Nanshan District, Shenzhen, Guangdong, China

**Sample Receiving Date** : July 10, 2022

**Testing Period** : July 11, 2022 to August 15, 2022

**Results** : Please refer to next page(s).

## Summary of Test Results:

### TEST REQUEST

A WEEE Directive 2012/19/EU

### CONCLUSION

Pass

**Signed for Shenzhen Most Technology Service Co., Limited**

Written by:

*Qinghua Hu*

Approved by:

*Yutian*

Inspected by:

*Jack Chan*



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**Shenzhen Most Technology Service Co., Limited**

Address: No. 5, 2<sup>nd</sup> Langshan Road, North District, Hi-tech Industry, Nanshan, Shenzhen, Guangdong, China  
Tel: (0755)-86026850 Fax: (86)755-26013350

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## 1. Result of Reuse /Recycling /Recovery Assessment:

Reuse /Recycling /Recovery	Reuse /Recycling (%)	Recovery (%)
Reuse /Recycling /Recovery Targets under the 2012/19/EU WEEE Directive	80	85
Result of Assessment	96.6	96.6
WEEE requirement compliance	OK	OK

## 2. Appearance of the product



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### 3. Selective Treatment for Materials and Components

According to Articles 6(1) and the Annex II of the WEEE Directive, this product contains components and material items are described in the following table.

Component/Material	Photo No.	Weight (g)
Printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimetres	A5	50
	A6	53.8
	A7	508
	A8	1001.9









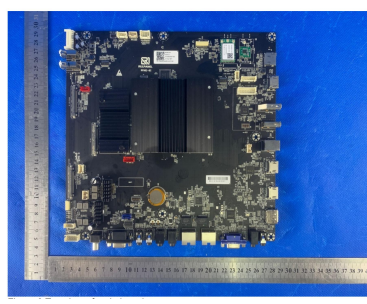

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#### 4. Disassembly Tree

		
A		
		
A1	A2	A3
		
A4	A5	A6
		
A7	A8	A9

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## 5. Disassembly Procedure

The disassembly procedure taken here is in accordance with the treatment requirements under the Annex II of the WEEE Directive. In addition, to consider economic and efficiency factors, manual operation and disassembly tools have been applied to separate the components and materials from this product in order to simulate the scenario at the treatment facility, and to achieve the objective that the separated components and materials can be reused, recycled and recovered.

5.1 Connection technique: For this product, the connection technology including as following:  
Snap, Glue, Screw

5.2 Disassembly tool: The disassembly tools used for this product show as following:  
Disassembly Tool: Cross screwdriver, Pliers, Scissors

5.3 Disassembly time:  
90 minutes

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## 6. Material and Recycling Information

According to the information declared by the applicant company, the material and recycling information for this product is described in the following table. The reuse, recycling and recovery assessment for this product is based upon economic and efficiency considerations, and the waste treatment technologies and equipment that are most frequently available to the market.

Photo No.	Component / Material Composition	Weight (g)	Percent Weight (%)	Reuse/ Recycling (%)	Energy Recovery (%)	Recovery (%)
A5, A6, A7, A8	PCB	1613.7	1.9	1.8	--	1.8
A9	Plastic parts	527	0.7	0.6	--	0.6
A2, A3, A4	Metal Steel parts	10000	12	11.7	--	11.7
A1	Other material	71000	85.4	82.5	--	82.5
Total		83140.7	100	96.6	--	96.6

### Note:

Due to their insignificant weight and the difficulty of their separation in a manual operation, solder, paint and printing materials are not included in this assessment. Plastic containing brominated flame retardants is not assessed in the list.

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## 7. Recycling and Recovery Rate Calculation

Reuse Recycling & Recovery Rate using in the report are calculated as following formulas:

$$\begin{aligned}\text{Reuse \& Recycling Rate (\%)} &= \frac{\text{Reuse \& Recycling Weight}}{\text{Product Total Weight}} \\ \text{Recovery Rate (\%)} &= \frac{\text{Reuse \& Recycling Weight} + \text{Energy Recovery Weight}}{\text{Product Total Weight}}\end{aligned}$$

Total weigh of the product is including the main product and accessories.

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## 8. ANNEX II of WEEE Directive

Selective treatment for materials and components of waste electrical and electronic equipment:

- Polychlorinated biphenyls (PCB) containing capacitors in accordance with Council Directive 96/59/EC

of 16 September 1996 on the disposal of polychlorinated biphenyls and polychlorinated terphenyls (PCB/PCT) (1),

- Mercury containing components, such as switches or backlighting lamps,

- Batteries

- Printed circuit boards of mobile phones generally, and of other devices if the surface of the printed

circuit board is greater than 10 square centimetres,

- Toner cartridges, liquid and pasty, as well as colour toner,

- Plastic containing brominated flame retardants,

- Asbestos waste and components which contain asbestos,

- Cathode ray tubes,

- Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC) or hydrofluorocarbons (HFC), hydrocarbons (HC),

Gas discharge lamps,

- Liquid crystal displays (together with their casing where appropriate) of a surface greater than 100

square centimeters and all those back-lighted with gas discharge lamps,

- External electric cables,

- Components containing refractory ceramic fibres as described in Commission Directive 97/69/EC of 5

December 1997 adapting to technical progress Council Directive 67/548/EEC relating to the classification, packaging and labelling of dangerous substances ,

- Components containing radioactive substances with the exception of components that are below the

exemption thresholds set in Article 3 of and Annex I to Council Directive 96/29/Euratom of 13 May

1996 laying down basic safety standards for the protection of the health of workers and the general

public against the dangers arising from ionising radiation ,

- Electrolyte capacitors containing substances of concern (height > 25 mm, diameter > 25 mm or proportionately similar volume)

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## 9. Recommendations for WEEE Directive Compliance

- In order to avoid the product not meeting the reuse/recycling/recovery targets regulated under the WEEE Directive and the regulations of EU countries, the applicant company should, when selecting material and components design, consider they can be easy to reuse and recycle. This consideration will lessen the impact of the required international environmental directives and also improve the product's competitiveness.
- It is recommended that the applicant company, when designing new product, especially where components and materials have a large weight ratio, should consider using recyclable materials in order to increase the product's reuse/recycling/recover ratio.
- The product should apply to the RoHS Directive (Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronics equipment). The hazardous substance specification in the Directive should be controlled in the homogenous material of this product.
- If a product has changed its product design, or materials or components employed, then the product should be reassessed and retested in accordance with the WEEE Directive for reuse/recycling/recovery assessment and RoHS for restricted/banned substances requirements.

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## Appendix 1

TE-QS-55,TE-QS-65, TE-QS-75, TE-QS-86, TE-QS-98  
TE-QS1-55,TE-QS1-65, TE-QS1-75, TE-QS1-86, TE-QS1-98  
TE-QS1M-55,TE-QS1M-65, TE-QS1M-75, TE-QS1M-86, TE-QS1M-98  
TE-QS1C-55,TE-QS1C-65, TE-QS1C-75, TE-QS1C-86, TE-QS1C-98  
TE-QS1H-55,TE-QS1H-65, TE-QS1H-75, TE-QS1H-86, TE-QS1H-98  
TE-QS2-55,TE-QS2-65, TE-QS2-75, TE-QS2-86, TE-QS2-98  
TE-QS3-55,TE-QS3-65, TE-QS3-75, TE-QS3-86, TE-QS3-98  
TE-QS-55E1,TE-QS-65E1, TE-QS-75E1, TE-QS-86E1, TE-QS-98E1  
TE-QS-55E2,TE-QS-65E2, TE-QS-75E2, TE-QS-86E2, TE-QS-98E2

TE-XP-65,TE-XP-70 TE-XP-75 TE-XP-80 TE-XP-85,TE-XP-86, TE-XP-98,TE-XP-105,TE-XP-110

TE-XP1-65, TE-XP1-75, TE-XP1-86, TE-XP1-98  
TE-XP2-65, TE-XP2-75, TE-XP2-86, TE-XP2-98  
TE-XP3-65, TE-XP3-75, TE-XP3-86, TE-XP3-98  
TE-XP-65E1, TE-XP-75E1, TE-XP-86E1, TE-XP-98E1  
TE-XP-65E2, TE-XP-75E2, TE-XP-86E2,TE-XP-98E2

TE-YL-55,,TE-YL-65,TE-YL-75,TE-YL-86,TE-YL-98  
TE-YL3-55,TE-YL3-65, TE-YL3-75, TE-YL3-86, TE-YL3-98  
TE-YL5-55,TE-YL5-65, TE-YL5-75, TE-YL5-86, TE-YL5-98  
TE-YL5K-65, TE-YL5K-75, TE-YL5K-86, TE-YL5K-98  
TE-YL6-65, TE-YL6-75, TE-YL6-86, TE-YL6-98  
TE-YL-65E1, TE-YL-75E1, TE-YL-86E1, TE-YL-98E1  
TE-YL-65E2, TE-YL-75E2, TE-YL-86E2,TE-YL-98E1

TE-IT-55, TE-IT-65, TE-IT-75, TE-IT-86, TE-IT-98  
TE-IT2-55,TE-IT2-65, TE-IT2-75, TE-IT2-86, TE-IT2-98  
TE-IT3-55,TE-IT3-65, TE-IT3-75, TE-IT3-86, TE-IT3-98  
TE-IT-55E1,TE-IT-65E1, TE-IT-75E1, TE-IT-86E1, TE-IT-98E1  
TE-IT-55E2,TE-IT-65E2, TE-IT-75E2, TE-IT-86E1, TE-IT-98E2

TE-DP-55,TE-DP-65, TE-DP-75, TE-DP-86, TE-DP-98  
TE-DP2-55,TE-DP2-65, TE-DP2-75, TE-DP2-86, TE-DP2-98  
TE-DP3-55,TE-DP3-65, TE-DP3-75, TE-DP3-86, TE-DP3-98  
TE-DP-55E1,TE-DP-65E1, TE-DP-75E1, TE-DP-86E1, TE-DP-98E1  
TE-DP-55E2,TE-DP-65E2, TE-DP-75E2, TE-DP-86E2, TE-DP-98E2

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**TE-AP-55,TE-AP-65, TE-AP-75, TE-AP-86, TE-AP-98**

**TE-AP2-55,TE-AP2-65, TE-AP2-75, TE-AP2-86, TE-AP2-98**

**TE-AP3-55,TE-AP3-65, TE-AP3-75, TE-AP3-86, TE-AP3-98**

**TE-AP-55E1,TE-AP-65E1, TE-AP-75E1, TE-AP-86E1, TE-AP-98E1**

**TE-AP-55E2,TE-AP-65E2, TE-AP-75E2, TE-AP-86E2, TE-AP-98E2**

**TE-MP-55E1,TE-MP-65E1, TE-MP-75E1, TE-MP-86E1, TE-MP-98E1**

**TE-MP-55E2,TE-MP-65E2, TE-MP-75E2, TE-MP-86E2, TE-MP-98E2**

DTi authenticate the photo on original report only

\*\*\* End of Report \*\*\*

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