



Test Report issued under the responsibility of:



**TEST REPORT**  
**IEC 60335-2-15**  
**Safety of household and similar electrical appliances**  
**Part 2: Particular requirements for appliances for heating liquids**

**Report Number**..... : GZES210702299601A2  
**Date of issue**..... : 2021-10-09, Amendment No.2: 2022-09-21  
**Total number of pages** ..... : 7

**Name of Testing Laboratory preparing the Report** ..... : SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

**Applicant's name** ..... : Olansi Healthcare Co., Ltd.  
**Address**..... : 1 Haiyi Street, Lanhe Town, Nansha, Guangzhou, Guangdong, China

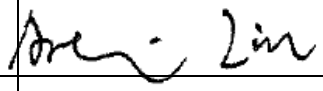
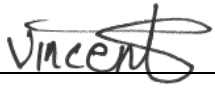
**Test specification:**  
**Standard** ..... : IEC 60335-2-15:2012, AMD1:2016, AMD2:2018  
for use in conjunction with IEC 60335-1:2010, COR1:2010, COR2:2011, AMD1:2013, COR1:2014, AMD2:2016, COR1:2016  
**Test procedure** ..... : CB Scheme  
**Non-standard test method** ..... : N/A

**Test Report Form No.** ..... : IEC60335\_2\_15P  
**Test Report Form(s) Originator** .... : IMQ S.p.A.  
**Master TRF** ..... : Dated 2019-04-02

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<b>Test item description</b> ..... :	Hydrogen-Rich Reverse Osmosis Water Purifying and Drinking Machine
<b>Trade Mark</b> ..... :	<b>OLS</b>
<b>Manufacturer</b> .....	Same as applicant
<b>Model/Type reference</b> ..... :	W19, W19 G, W20, W23, W25
<b>Ratings</b> .....	220 V – 240 V; 50 Hz / 60 Hz; Class I; T; 2200 W (Combination); 2100 W (Heater); 68 W (Refrigeration)

<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<input checked="" type="checkbox"/>	<b>CB Testing Laboratory:</b>	SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch
<b>Testing location/ address .....</b>		Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China
<b>Tested by (name, function, signature)..... :</b>		Artie Liu / Project Engineer 
<b>Approved by (name, function, signature) .. :</b>		Vincent Chan / Reviewer 
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 1:</b>	
<b>Testing location/ address .....</b>		
<b>Tested by (name, function, signature)..... :</b>		
<b>Approved by (name, function, signature) .. :</b>		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 2:</b>	
<b>Testing location/ address .....</b>		
<b>Tested by (name, function, signature)..... :</b>		
<b>Witnessed by (name, function, signature) . :</b>		
<b>Approved by (name, function, signature) .. :</b>		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 3:</b>	
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 4:</b>	
<b>Testing location/ address .....</b>		
<b>Tested by (name, function, signature)..... :</b>		
<b>Witnessed by (name, function, signature) . :</b>		
<b>Approved by (name, function, signature) .. :</b>		
<b>Supervised by (name, function, signature) :</b>		

**List of Attachments (including a total number of pages in each attachment):**

Attachment 2 includes Circuit diagram (3 pages);  
Attachment 3 includes Photo documentation (8 pages);

**Summary of testing:****Tests performed (name of test and test clause):**

Tests according to the following standards were carried out:  
IEC 60335-2-15: 2012 + A1: 2016 + A2: 2018  
IEC 60335-2-24: 2020  
IEC 60335-2-108: 2008  
IEC 60335-1: 2010 + A1: 2013 + A2: 2016  
Construction check was conducted on models W23 and W25.  
Re-evaluation clause 7, 10, 11, 19, 20, 21, 22, 24 and Annex AA of IEC 60335-2-24: 2020.  
The submitted products fulfilled the requirements of above standards.

**Testing location:**

SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch  
Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China

**Summary of compliance with National Differences (List of countries addressed):**

EU Group Differences

 **The product fulfils the requirements of**


EN 60335-2-15: 2016 + A11: 2018 + A1: 2021 + A2: 2021+ A12: 2021  
EN 60335-2-24: 2010 + A1: 2019 + A2: 2019 + A11: 2020  
EN 60335-2-108: 2008  
EN 60335-1: 2012 + A11: 2014 + A13: 2017 + A1: 2019 + A14: 2019 + A2: 2019 + A15: 2021  
EN 62233: 2008

**Copy of marking plate:**

**The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.**

Product model	W20	Rated voltage	220V-240V~
Rated frequency	50/60Hz	Rated power	2200W
Rated heating power	2100W	Rated refrigeration power	68W
Electrical power consumption	0.1kW/24h	Water production flow	30L/h
Water heating capacity	18L/h (20°C,max.100°C)	Working pressure	0.4-0.8MPa
Applicable water source	City water	Applicable water temperature	5-38°C

Olansi Healthcare Co.,Ltd.  
2F., 2#, 1 Haiyi street, Lanhe town, Nansha, Guangzhou, Guangdong, China


**Remark:**

1. The Height of CE logo shall not be less than 5 mm; Height of WEEE logo shall not be less than 7 mm.
2. The label of other models are the same as above except for model name and ratings.
3. As declared by the applicant, the importer (and manufacturer, if it is different)'s name, registered trade name or registered trademark and the postal address will be marked on the products before being place on the market. The contact details shall be in a language easily understood by end-users and market surveillance authorities.
4. Marking on the packaging or in a document accompanying the electrical equipment is only acceptable if it is not possible to place such markings on the product.
5. Other label is same as above except for model name.

<b>Test item particulars:</b>	
<b>Classification of installation and use</b> .....:	For household and indoor use. W19, W20, W23, W25: Portable appliance W19 G: Fixed appliance
<b>Supply Connection</b> .....:	Non-detachable cord fitted with a plug
.....:	
<b>Possible test case verdicts:</b>	
- test case does not apply to the test object.....:	N/A
- test object does meet the requirement .....	P (Pass)
- test object does not meet the requirement.....:	F (Fail)
<b>Testing:</b>	
<b>Date of receipt of test item</b> .....	2022-07-25
<b>Date (s) of performance of tests</b> .....	2022-07-25 to 2022-09-21
<b>General remarks:</b>	
<p>"(See Enclosure #)" refers to additional information appended to the report.                  "(See appended table)" refers to a table appended to the report.</p> <p><b>Throughout this report a <input checked="" type="checkbox"/> comma / <input type="checkbox"/> point is used as the decimal separator.</b></p> <p>This document is issued by the Company subject to its General Conditions of Service, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.</p> <p>Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.</p> <p>Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.                  This test report only considered the safety testing requirement. The product may need to fulfill with the related requirements for the filter element itself and quality of clean water.                  This test report is not valid without test report GZES210702299601, GZES210722299601, GZES210712299601, GZES210722299601A1, GZES210712299601A1, GZES210722299601A2 and GZES210712299601A2.</p>	
<b>Manufacturer's Declaration per Subclause 4.2.5 of IEC 60335-1:</b>	
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided.....:	<input type="checkbox"/> <b>Yes</b> <input checked="" type="checkbox"/> <b>Not applicable</b>
<b>When differences exist; they shall be identified in the General product information section.</b>	

Name and address of factory (ies)..... : Same as applicant

**General product information:**

The appliance is used in a well-ventilated room with normal temperature.

The appliance is used at tropical climate.

The appliance has three function: heating water (heater), cooling water (refrigeration) and hydrogen production. Those function can be operated together or separate.

The cooling water function is Peltier-type.

For model W19 and W19 G are same except for type of connection to water main, detail as below:

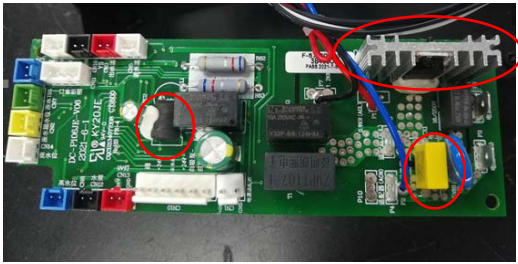

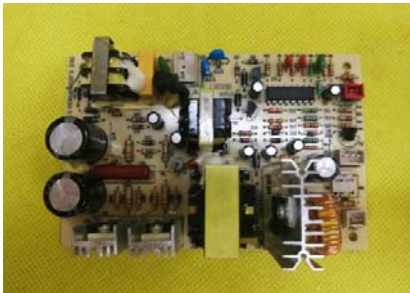

W19 with water container	W19 G with connection to water main
	

See “summary of testing” for test performed.

**Amendment 1 report:**

The original Test Report Ref. GZES210702299601, dated 2021-10-09, is modified on 2022-07-21 to include the following changes and/or additions, which are considered technical modifications:

1. Add new model W20, which is same as original model W19 except for the display PCB.
2. Update the standard to EN 60335-1: 2012 + A11: 2014 + A13: 2017 + A1: 2019 + A14: 2019 + A2: 2019 + A15: 2021, EN 60335-2-15: 2016 + A11: 2018 + A1: 2021 + A2: 2021 + A12: 2021 and EN 60335-2-24: 2010 + A1: 2019 + A2: 2019 + A11: 2020.
3. Add alternative internal wire, correct the model name of transformer, details see table 24.1
4. For all models, add alternative heater PCB, refrigeration PCB and main PCB as below:

<p>Original heater PCB</p> 	<p>New heater PCB (alternative)</p> 
<p>Original refrigeration PCB</p> 	<p>New refrigeration PCB (alternative)</p> 
<p>Original main PCB</p>	<p>New main PCB (alternative)</p>



Remark: Both heater PCB are the same except for shape of inductor 'L1', height of heat sink and the capacity of X2 capacitor.

See "summary of testing" for test performed.

**Amendment 2 report:**

The original Test Report Ref. GZES210702299601, dated 2021-10-09, is modified on 2022-09-21 to include the following changes and/or additions, which are considered technical modifications:

1. Update standard to IEC 60335-2-24: 2020.
2. Add new models W23 and W25, they are the same as original model W19 except for the display PCB, lamp PCB and the shape of front enclosure, details see photo document.

See "summary of testing" for test performed.

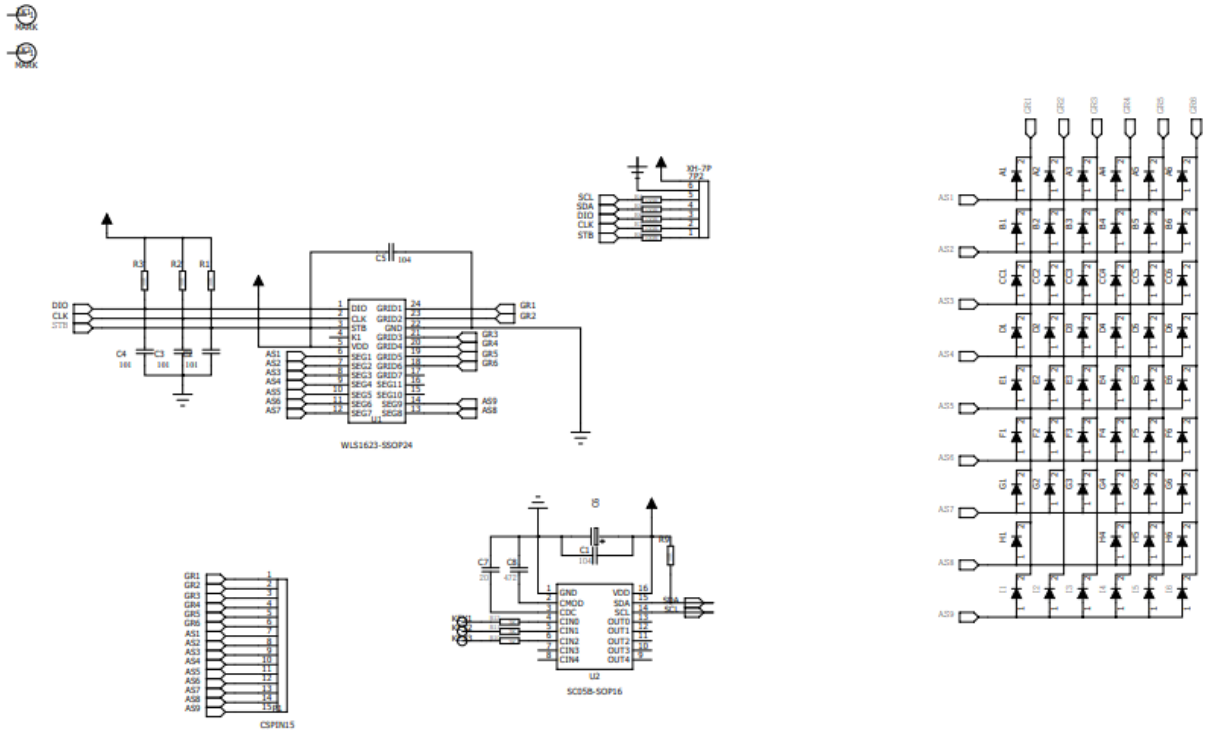
-- End of report --



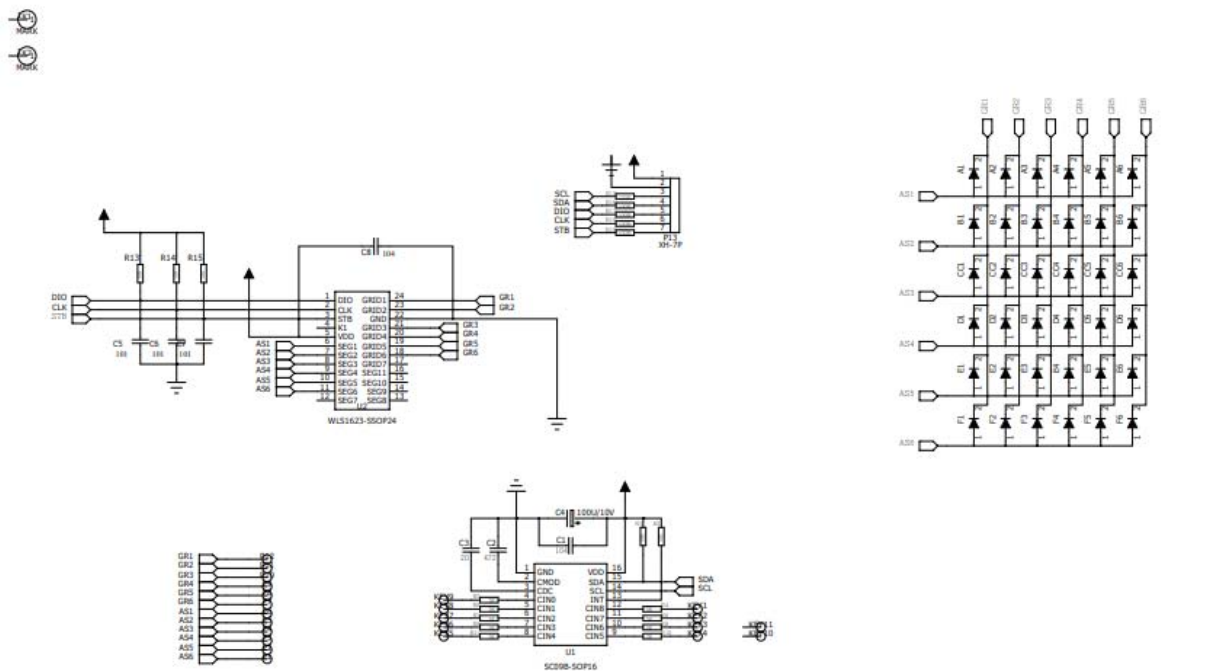
Attachment 2 Circuit diagram

Circuit diagram of control PCB for model W23

Left one



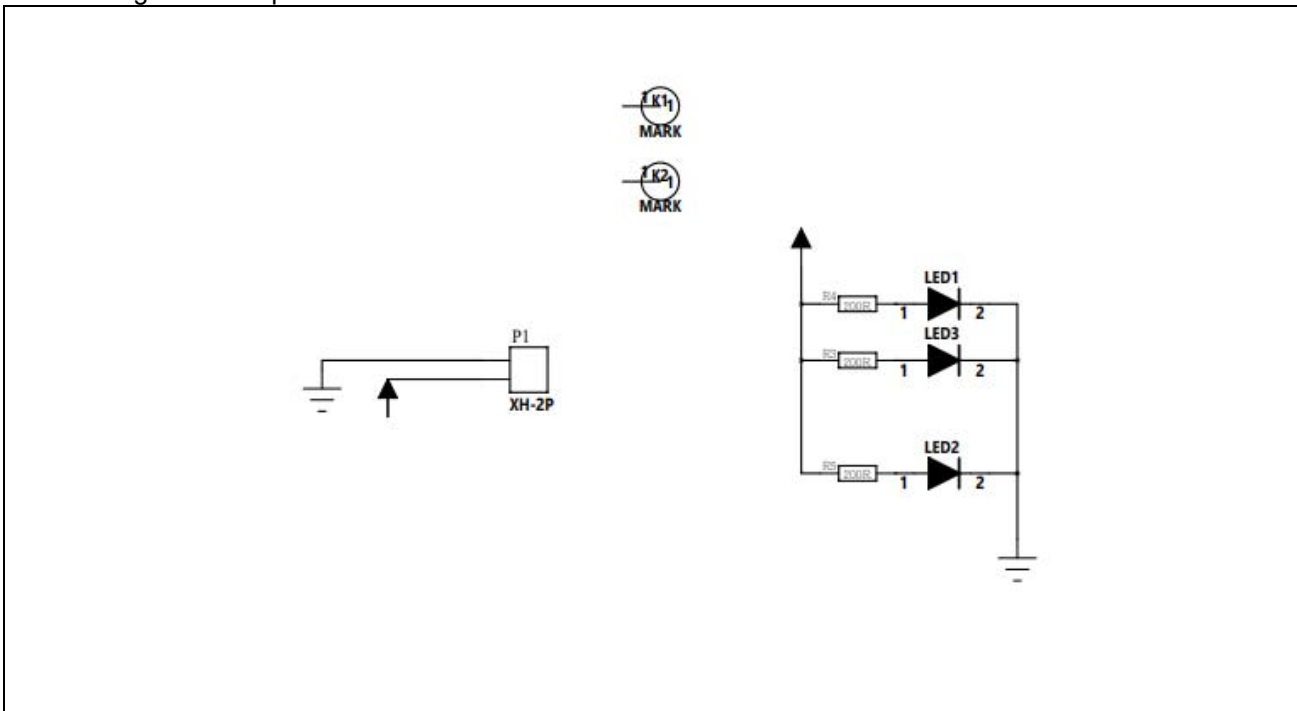
Right one



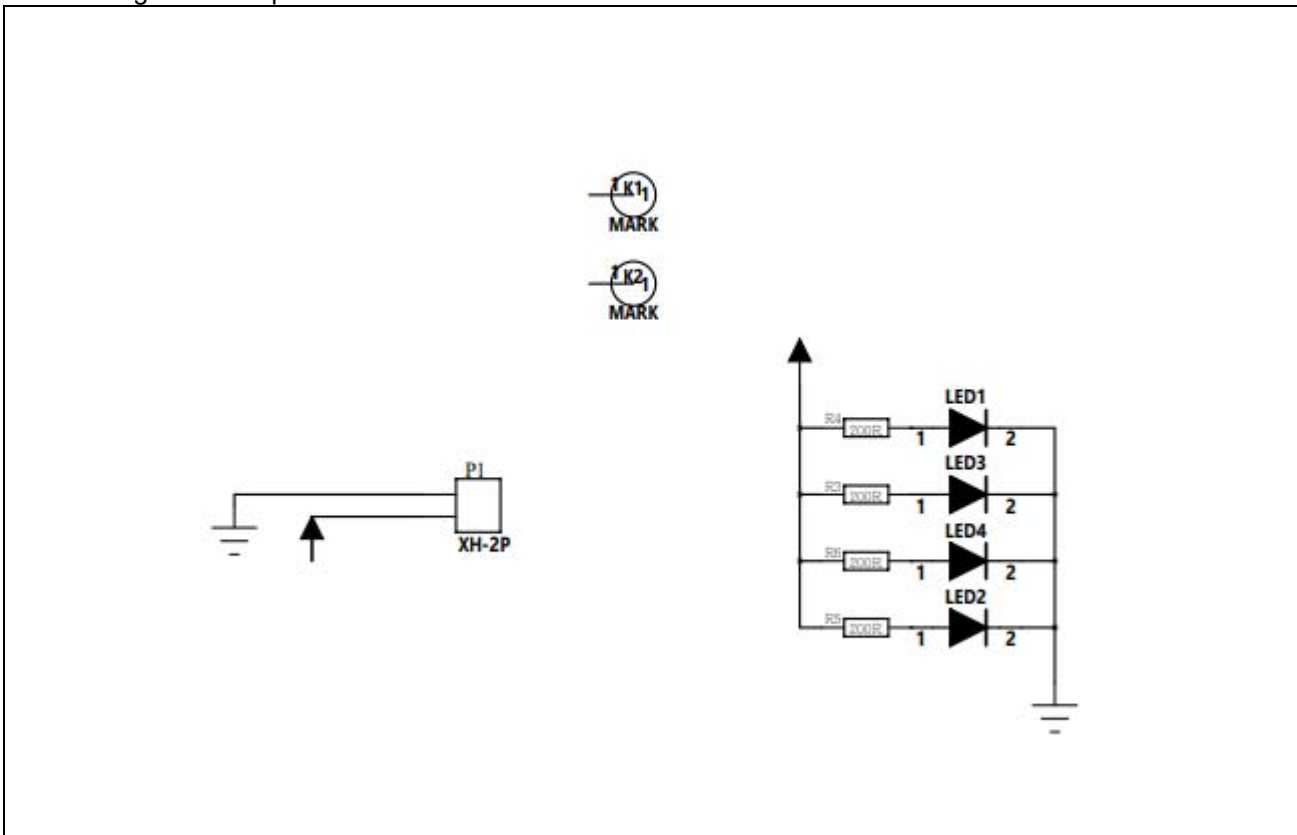


Attachment 2 Circuit diagram

Circuit diagram of lamp PCB for model W23

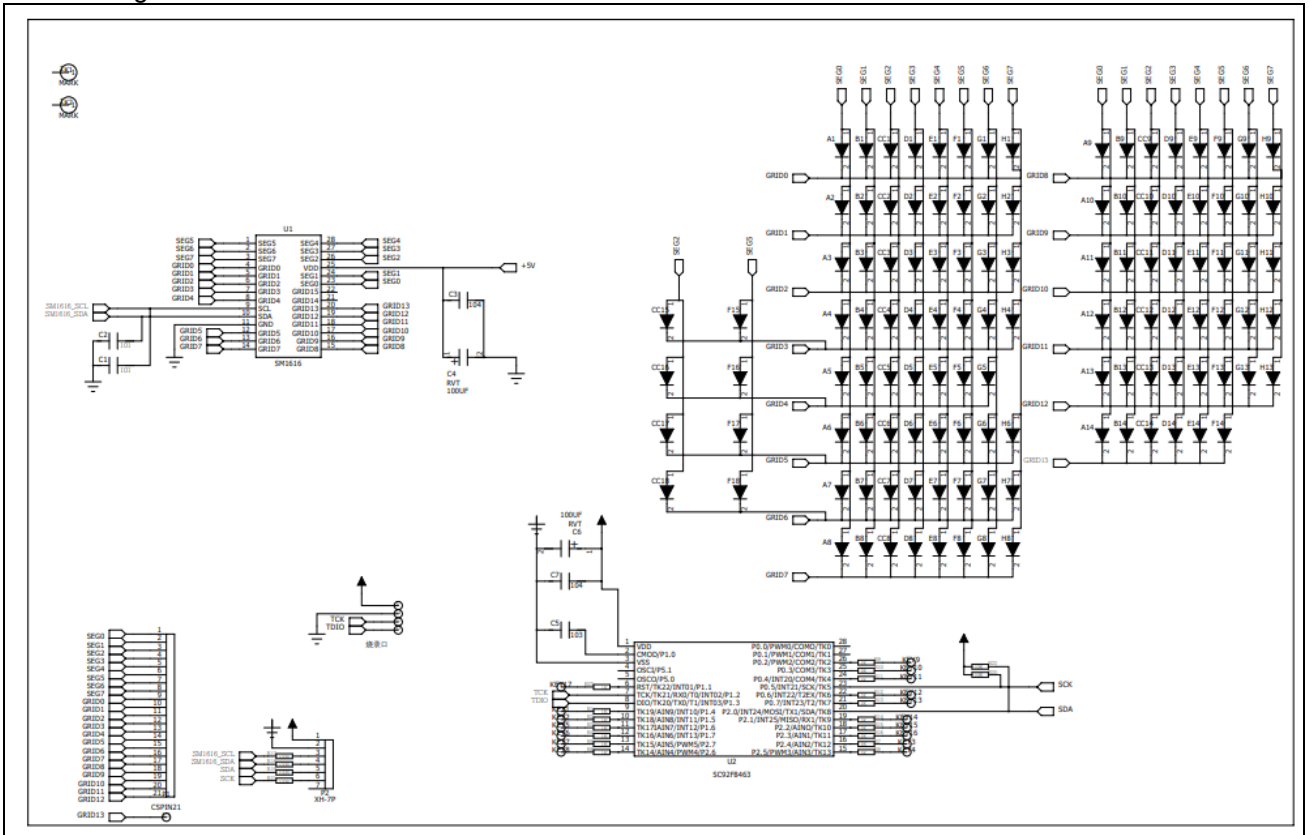


Circuit diagram of lamp PCB for model W25



Attachment 2 Circuit diagram

Circuit diagram of control PCB for model W25



-- End of this Attachment 2--

### Attachment 3

#### Photo documents

Type of equipment / model: Hydrogen-Rich Reverse Osmosis Water Purifying and Drinking Machine / W23, W25

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Details of: Appearance for W23

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View:

- general
- front
- rear
- right
- left
- top
- bottom
- internal

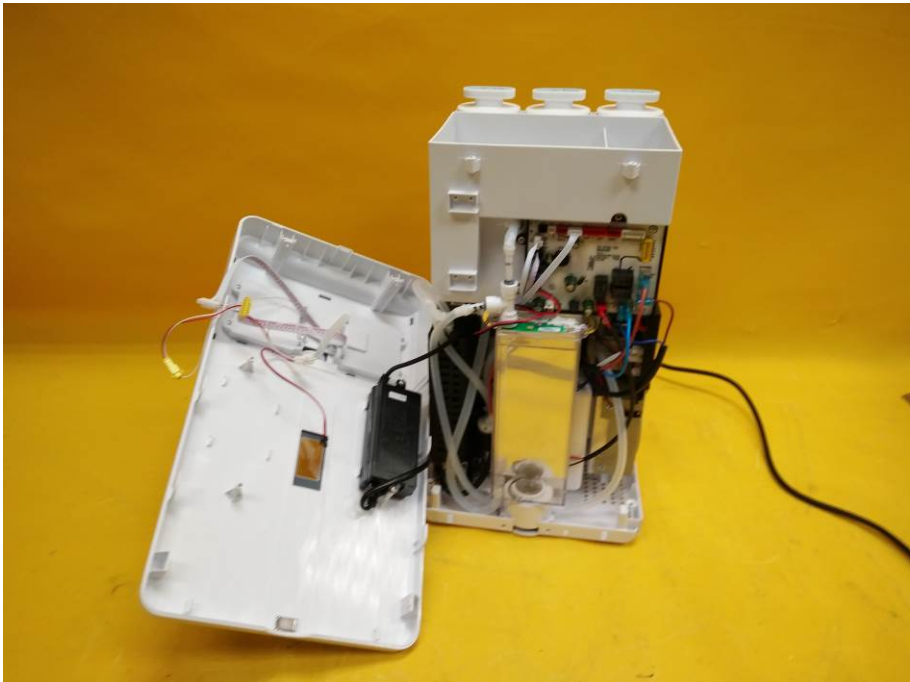


Details of: Internal view

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View:

- general
- front
- rear
- right
- left
- top
- bottom
- internal



### Attachment 3

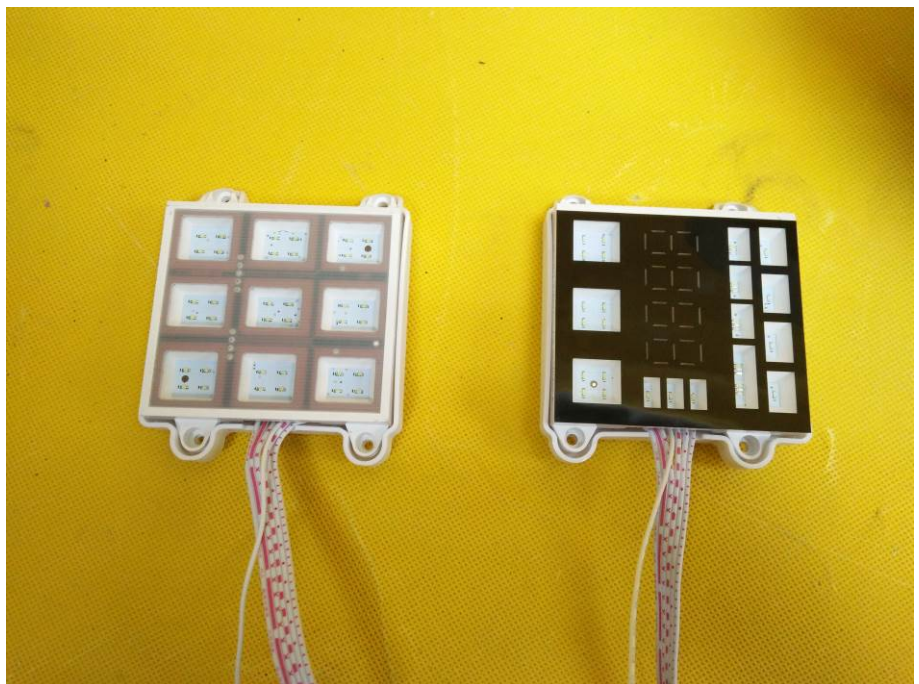
Details of: Internal view

- View:
- general
  - front
  - rear
  - right
  - left
  - top
  - bottom
  - internal



Details of: The view of display PCB

- View:
- general
  - front
  - rear
  - right
  - left
  - top
  - bottom
  - internal





### Attachment 3

Details of: The view of display PCB

View:

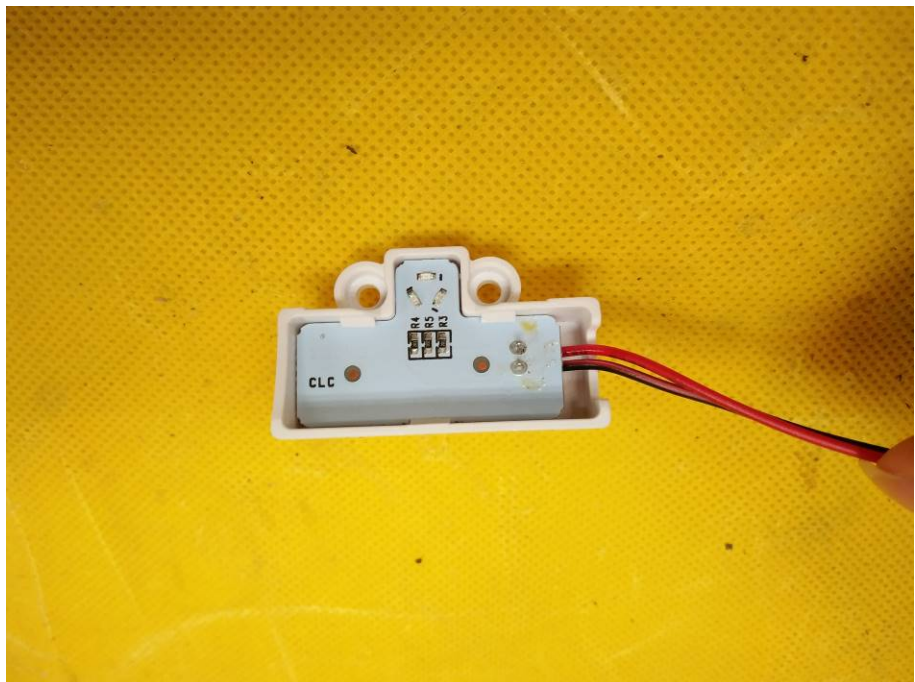
- general
- front
- rear
- right
- left
- top
- bottom
- internal



Details of: The view of lamp PCB

View:

- general
- front
- rear
- right
- left
- top
- bottom
- internal

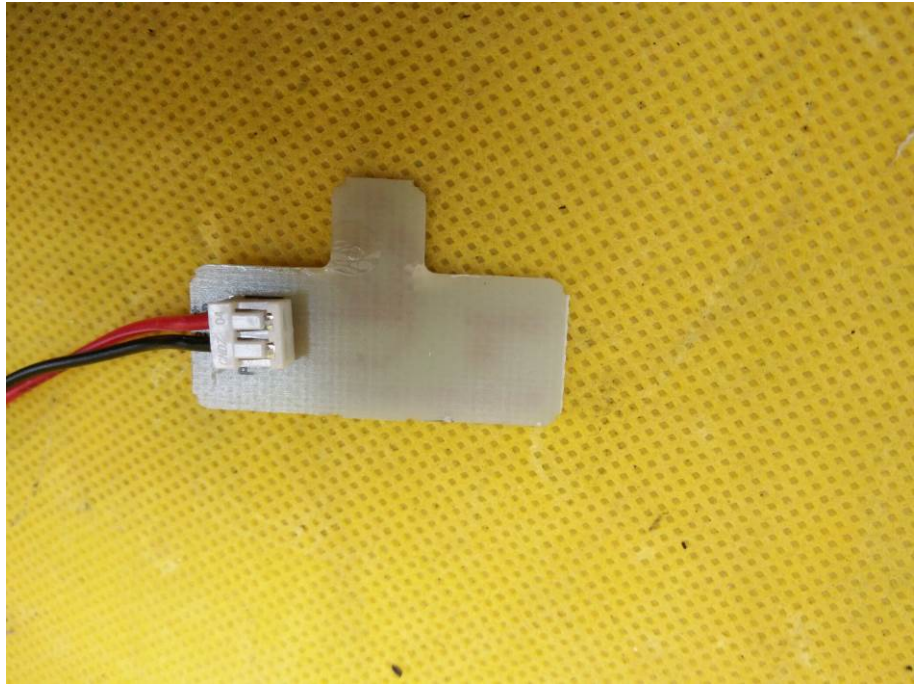


### Attachment 3

Details of: The view of lamp PCB

View:

- general
- front
- rear
- right
- left
- top
- bottom
- internal



Details of: Appearance for W25

View:

- general
- front
- rear
- right
- left
- top
- bottom
- internal

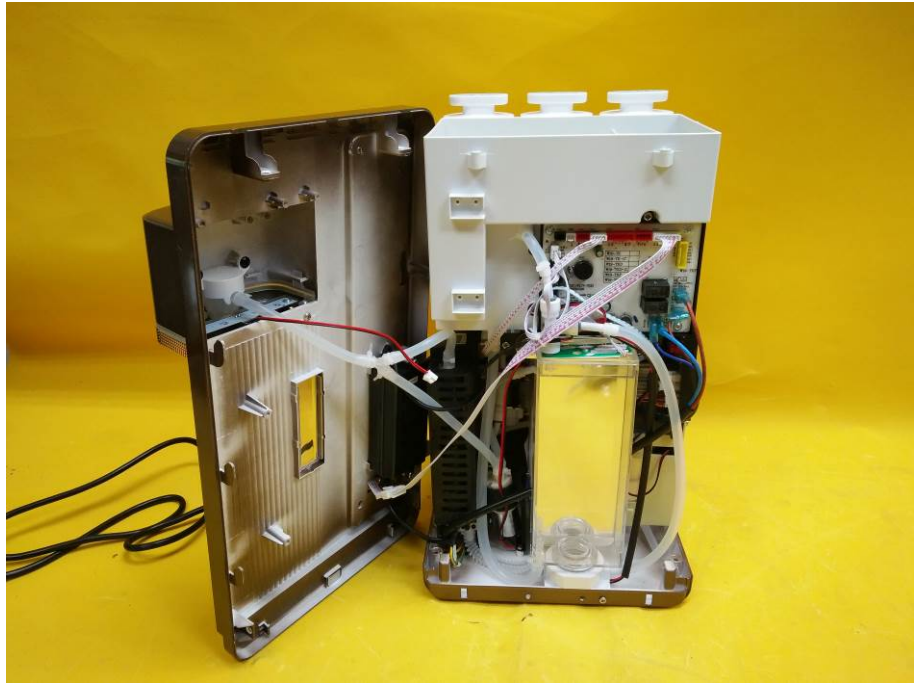


### Attachment 3

Details of: Internal view

View:

- general
- front
- rear
- right
- left
- top
- bottom
- internal



Details of: Internal view

View:

- general
- front
- rear
- right
- left
- top
- bottom
- internal





### Attachment 3

Details of: The view of lamp PCB

View:

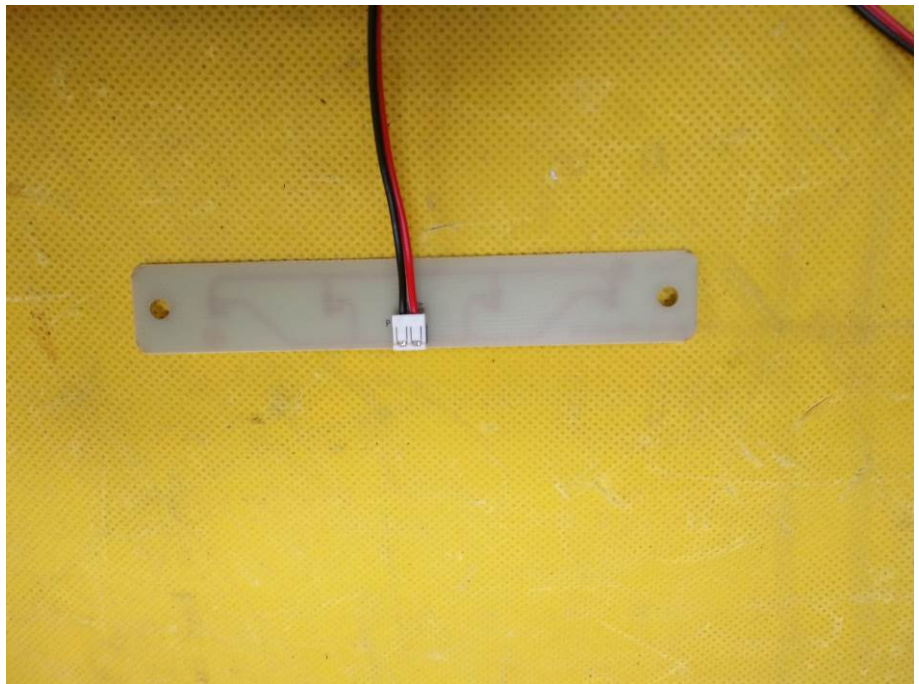
- general
- front
- rear
- right
- left
- top
- bottom
- internal



Details of: The view of lamp PCB

View:

- general
- front
- rear
- right
- left
- top
- bottom
- internal



### Attachment 3

Details of: Internal view of control panel

View:

- general
- front
- rear
- right
- left
- top
- bottom
- internal



Details of: The view of display PCB

View:

- general
- front
- rear
- right
- left
- top
- bottom
- internal



## Attachment 3

Details of: The view of display PCB

View:

- general
- front
- rear
- right
- left
- top
- bottom
- internal



-- End of this Attachment 3--