

TEST REPORT

General information

Name and address of applicant : GuangDong Golding Mobie Multimedia Co.,Ltd.

No.5 District, ZhongKai High Tech Industrial
Development Zone, Huizhou, Guangdong China

Test description

: Energy dissipation test for the rear parts of seat
anchored to vehicle (Rear Seat Entertainment
System) according to paragraph 5.7 and Annex 4 of
ECE R21, supplement 3 to the 01 series of
amendments.

For the test, the tested sample was supported firmly
on the back of a rigid seat frame which mounted
horizontally on a rigid platform.

Structure of report :

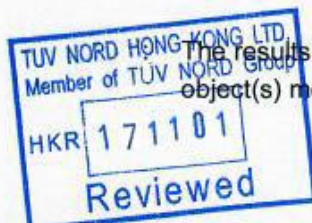
1. Test object(s) and general test information
2. Test minutes
3. Remark concerning tested object(s)
4. Appendices

5. Statement of conformity



1. Test object(s) and general test information

- 1.1. Make (trade name or mark of manufacturer) : GOLDING
- 1.2. Type : M828-TA
- Version : V1.0
- Commercial description(s) : Rear Seat Entertainment System
- 1.3. Means of identification of type, if marked on the device : Not applicable
- 1.4. Name and address of the manufacturer : GuangDong Golding Mobie Multimedia Co.,Ltd.
- 1.5. Address(es) of assembly plant(s) : No.5 District, ZhongKai High Tech Industrial Development Zone, Huizhou Guangdong China
- 1.6. This device shall be approved as a : Component
- 1.7. Any restrictions of use and conditions for fitting : Fitted on the rear of seat back which anchored to the vehicle.
Rated voltage: DC 24V and negative ground.
- 1.8. Test object(s) : Refer to Appendix 1.
- 1.9. Test date : November 03, 2017
- 1.10. Test site : National Automobile Quality Supervision Test Center (Guangdong)
Chanxiu Road Luogeyuan Jihuaxi Chancheng District Foshan City, Guangdong Province, P.R. China
- 1.11. Remark



The results of the test refer exclusively to the object(s) mentioned under point 1.8. of this report.

2. Test minutes

2.1. Test facilities : The test equipment used was in compliance with the requirements of the ~~directive~~ regulation.

2.2. Energy dissipation test : Sample description:
The tested sample was supported firmly on the back of a rigid seat frame which mounted horizontally on a rigid platform. (See Appendix 1)

Test method:

According to paragraph 5.7 and Annex 4 of ECE R21, supplement 3 to the 01 series of amendments.

Test requirement:

The deceleration of the headform for energy dissipation test shall not exceed 80g continuously for more than 3 milliseconds.

The surface of the tested sample shall not exhibit any dangerous roughness or sharp edges likely to increase the risk or severity of injury to the occupants.

2.3. Test result : No sharp edge or dangerous roughness was found before and after test.

For the test data and test photos refer to Appendix 1 and Appendix 2.

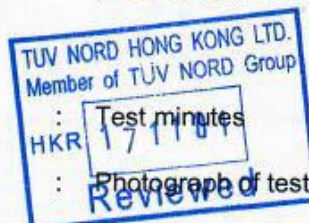
3. Remark concerning tested object(s) : All versions of the tested type as stated in the information folder are covered with the tested version(s) and test object(s) respectively.

4. Appendices

Appendix 1

Appendix 2

Information document



: Golding-M828-TA

5. Statement of conformity

The type described in this report and the appendices attached in compliance with the Test Specification mentioned above.

The test laboratory is accepted by the technical service according to the above mentioned test requirements.

The technical service is accredited for the above mentioned tests by the accreditation body of the RDW, Vehicle Technology and Information Centre, as the competent Administrative Department for the Netherlands;

Accreditation No: RDWT-T04.

The test report comprises pages 1 to 8.

The Test Report shall be reproduced and published in full by the client only. It shall be reproduced partially with the written permission of the test laboratory.

November 10, 2017

Stephen He

B.S.M.E. Stephen He
TUV NORD Hong Kong Ltd.



Appendix 1 : Test minutes

Energy dissipation test

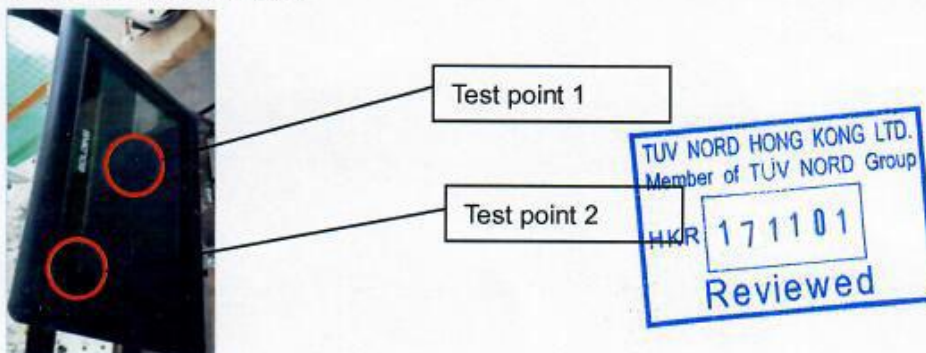
1.1 Test apparatus:

This apparatus consists of a pendulum whose pivot is supported by ball-bearing and whose reduced mass at its centre of percussion is 6.8 kg. The lower extremity of the pendulum consists of a rigid headform 165 mm in diameter whose centre is identical with the centre of percussion of the pendulum. (See Appendix 2)

1.2 Test requirement:

The deceleration of the headform for energy dissipation test shall not exceed 80g continuously for more than 3 milliseconds. and the surface of the tested sample shall not exhibit any dangerous roughness or sharp edges likely to increase the risk or severity of injury to the occupants.

1.3 Impact point descripton:



1.4 Test results:

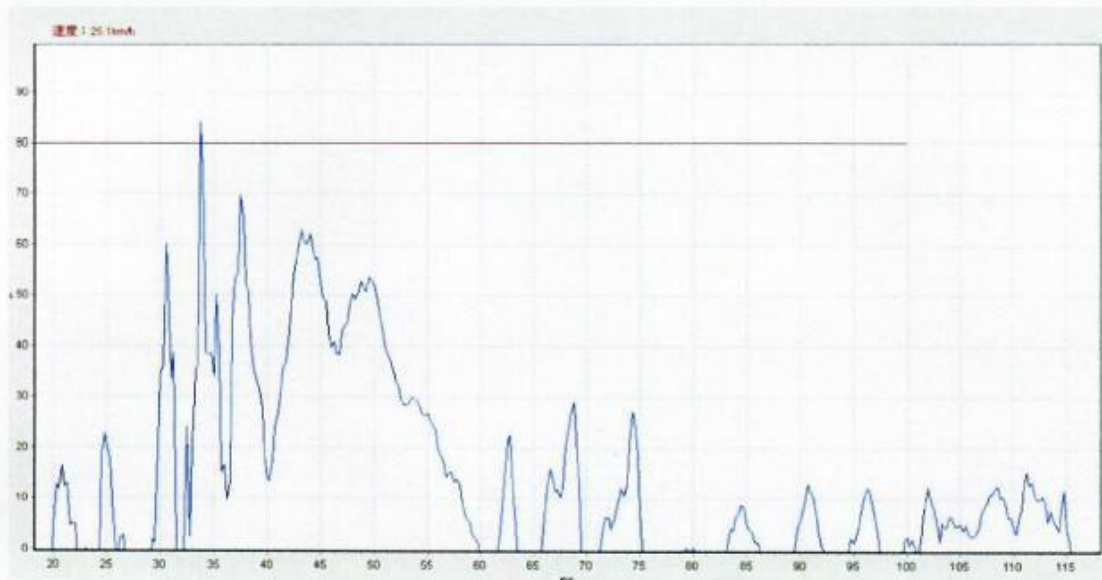
Impact point No.	Impact speed (km/h)	Max. deceleration (g)	Time over 80g (ms)	Sharp edges or dangerous roughness occurrence	Result
1	25.1	84.0	0.25	No	PASS
2	24.8	83.0	1.20	No	PASS

Remark: There are some cracks were found on the display screen of the tested sample, however no sharp edge or dangerous roughness part was separated from the surface.

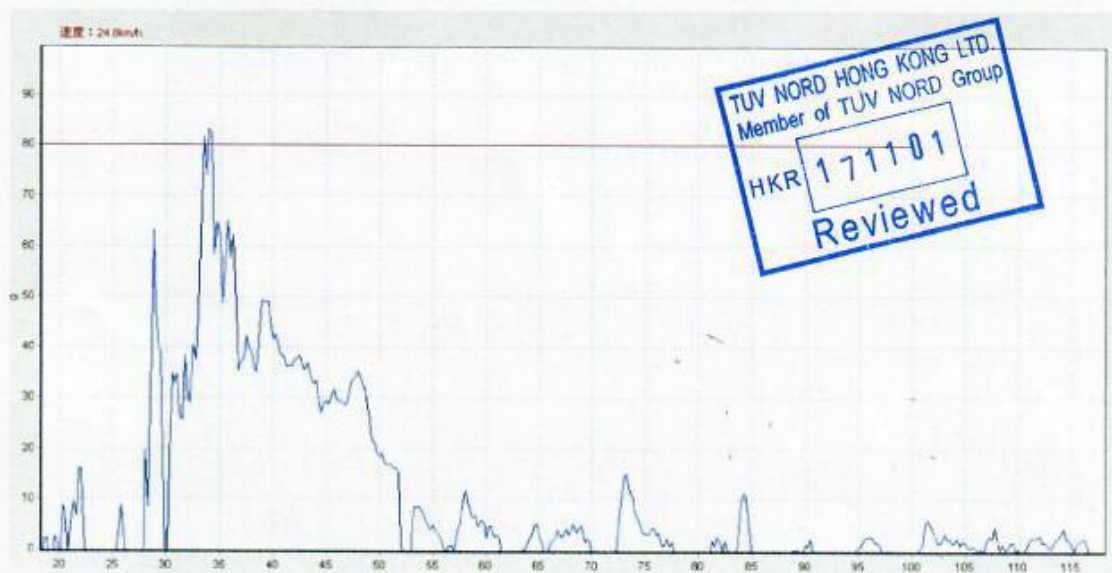
1.5 Test Conclusion: Pass/Failure

1.6 Impacting curve:

1.6. .1. For impact point No.1



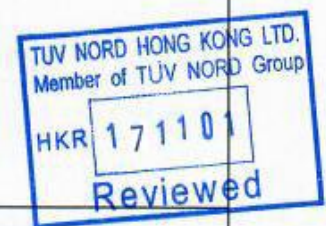
1.6.2. For impact point No.2



Appendix 2 : Photograph of test

2.1 For impact point No.1

Before test:



After test:



For impact point No.2

Before test:



After test:



	GuangDong Golding Mobie Multimedia Co.,Ltd	
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Uniform provisions concerning the approval of vehicles with regard to

Rear Seat Entertainment System

according to the requirements of Rear parts of seat anchored to vehicle

**ECE Regulation No. 21. supplement 3 to the 01 series of amendments,
paragraph 5.7 and Annex 4**

Type : M828-TA

This model information document consists of 18 pages enclosures



	GuangDong Golding Mobie Multimedia Co.,Ltd	
	Information document No. Golding-M828-TA	

0. General Information

1. Make (trade name or mark of manufacturer) : GOLDING
2. Type : M828-TA
 - commercial description(s) : **Rear Seat Entertainment System**
 - versions(s) : V1.0
3. Means of identification of type, if marked on the device : Not applicable
- 3.1 Location of the ECE approval mark, if applicable : Not applicable
4. Name and address of the manufacturer : 广东金鼎移动传媒有限公司
GuangDong Golding Mobie Multimedia Co.,Ltd
5. Address(es) of assembly plant(s) : 广东省惠州市仲恺高新区 5 号小区
No.5 District ZhongKai High Tech Industrial
Development Zone, Huizhou, Guangdong,
China
6. This device shall be approved as a : Component
7. Any restrictions of use and conditions for fitting : Fitted on the rear of seat back which anchored
to the vehicle and connected to vehicle battery.

1. Information for Rear seat entertainment system

- 1.1 Electrical system rated voltage : DC 24V, negative ground
- 1.2 Construction and dimensions : Refer to List of attachments (Page 3)
 - (Drawings of the main components of the device)
- 1.2.1 Material(s) list : Refer to List of attachments (Page 3)
- 1.4. This device can be used on the following vehicle types : No restrictions.
- 1.4.1 Installation conditions : Fitted on the rear of seat back which anchored
to the vehicle and connected to vehicle battery.
- 1.5 Remark : ---

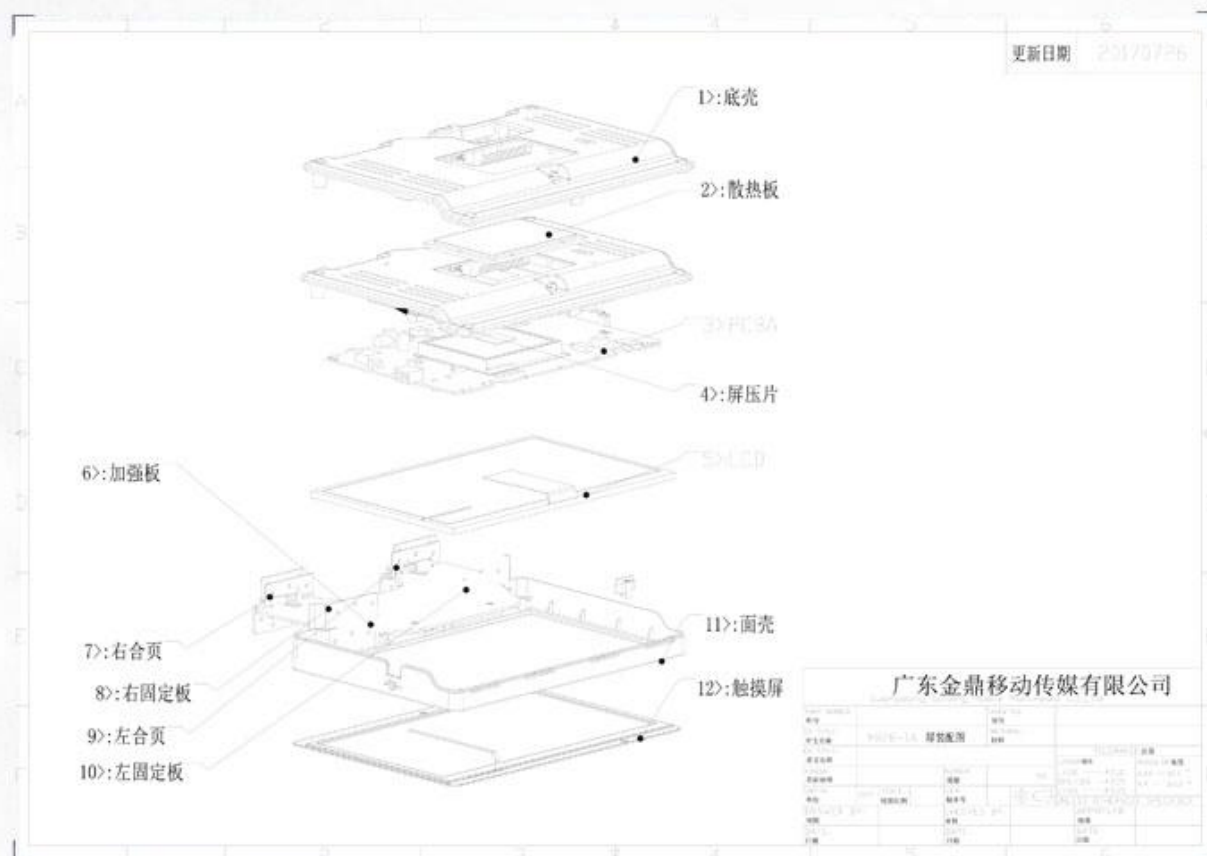


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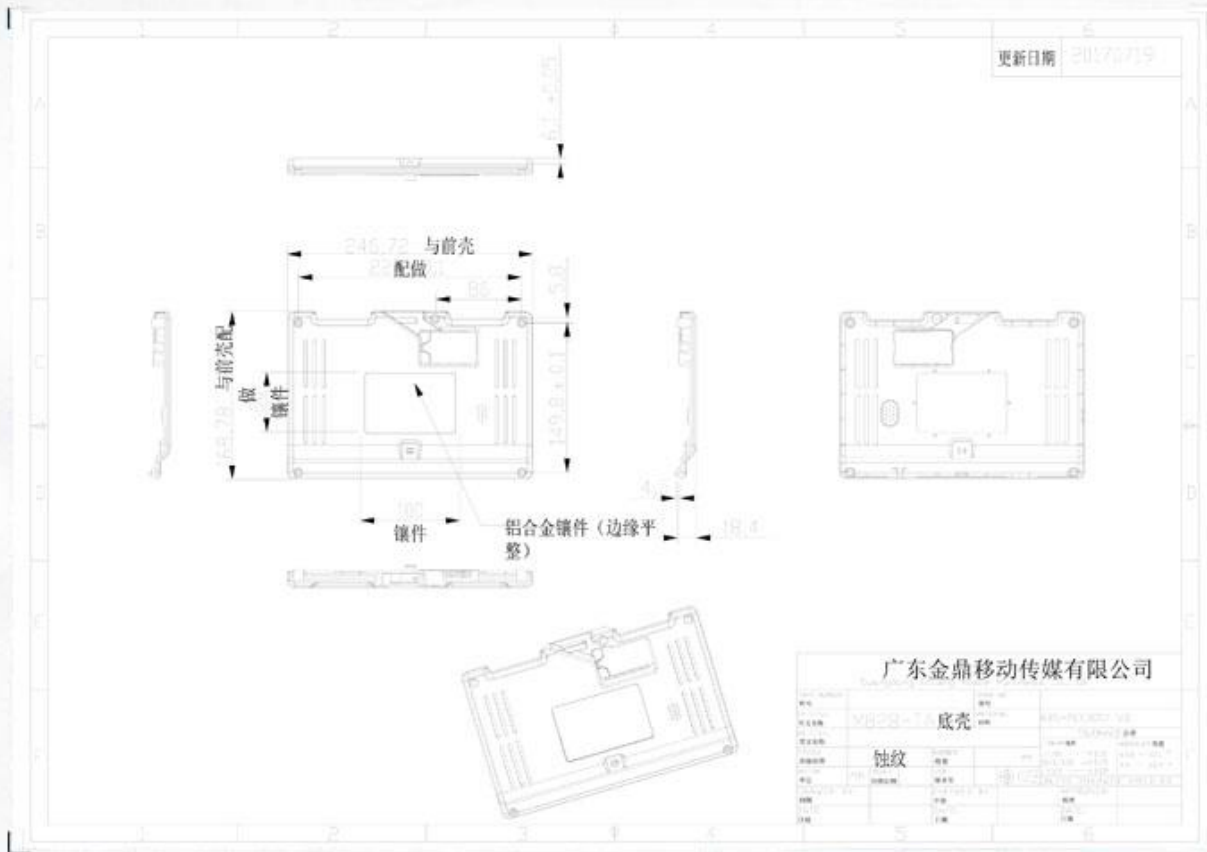
List of attachments

No.	Subject	Drawing number	Page
1	Assembly drawing	02-00	4
2	Constructions & dimensions	02-01-00 to 02-08	5 - 13
3	Materials list	---	14

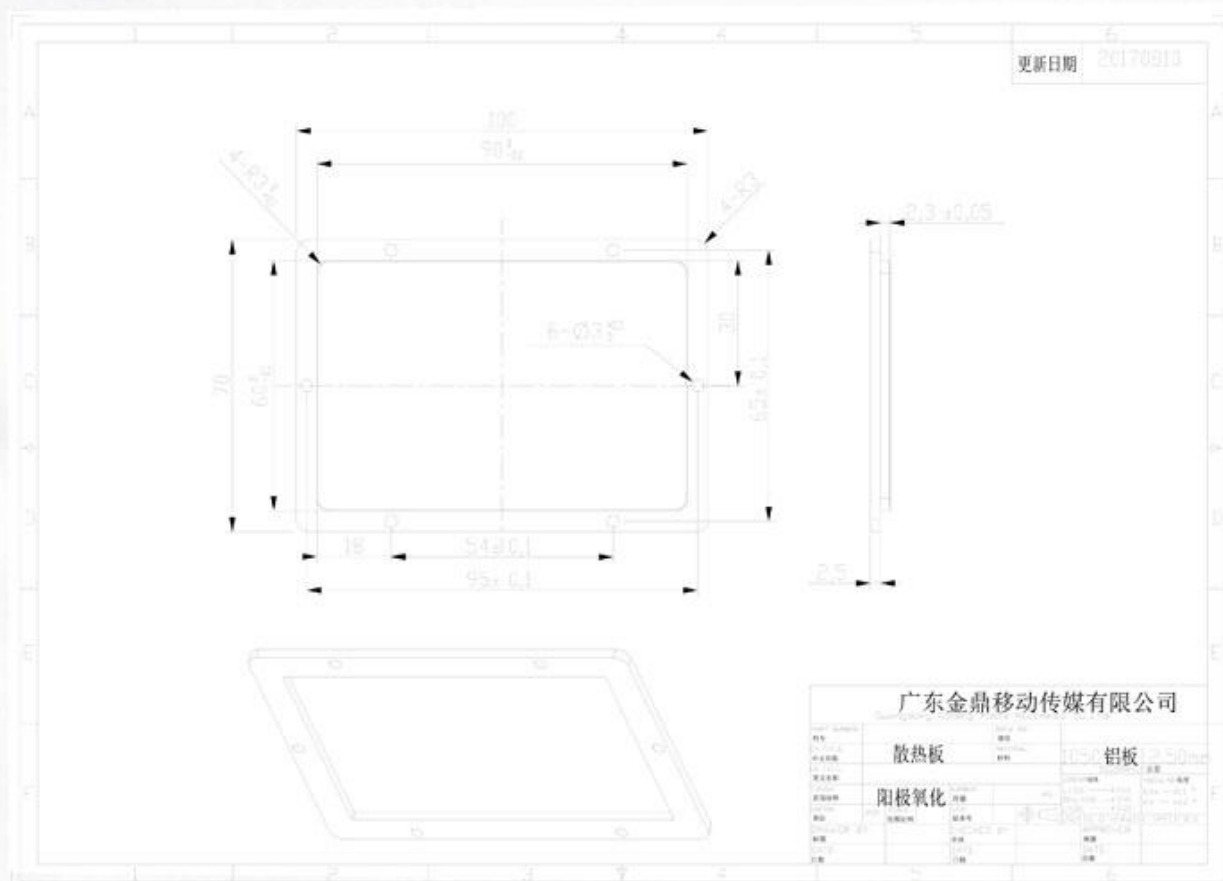




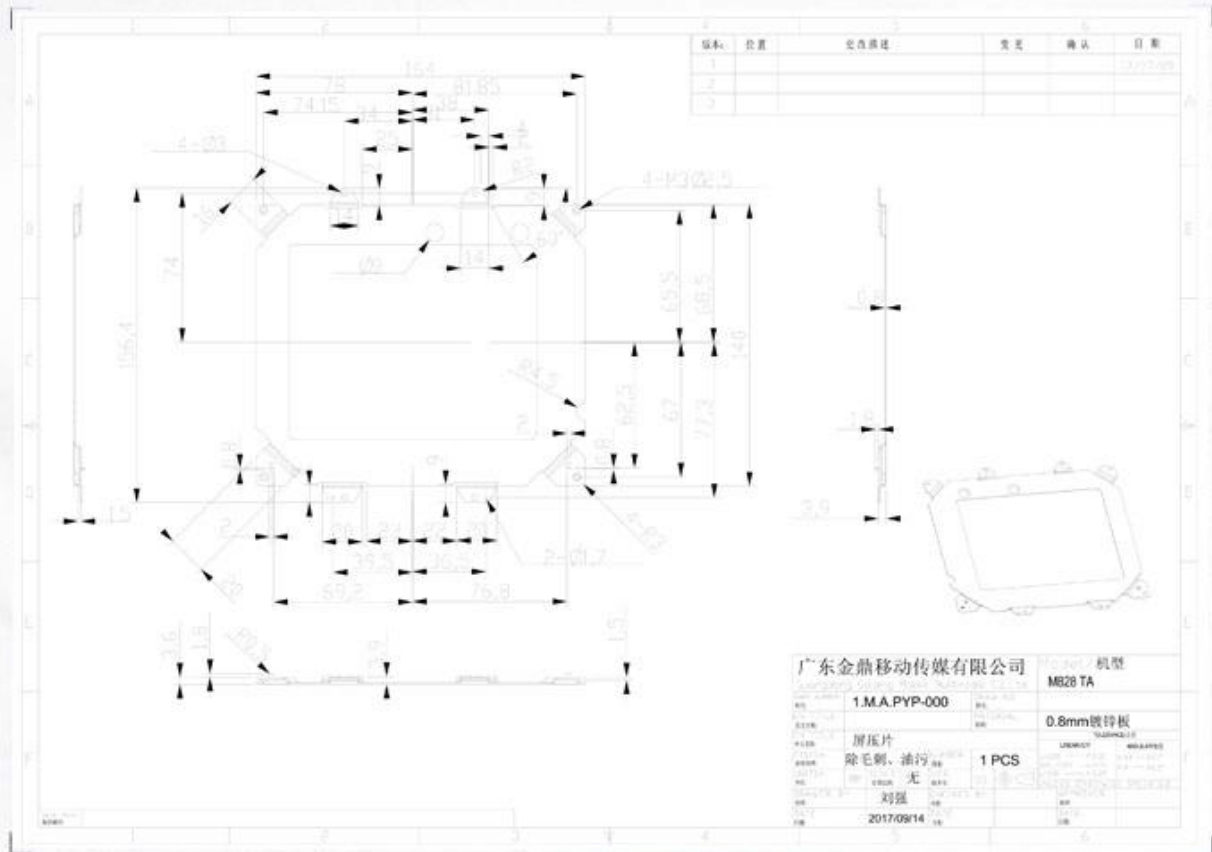
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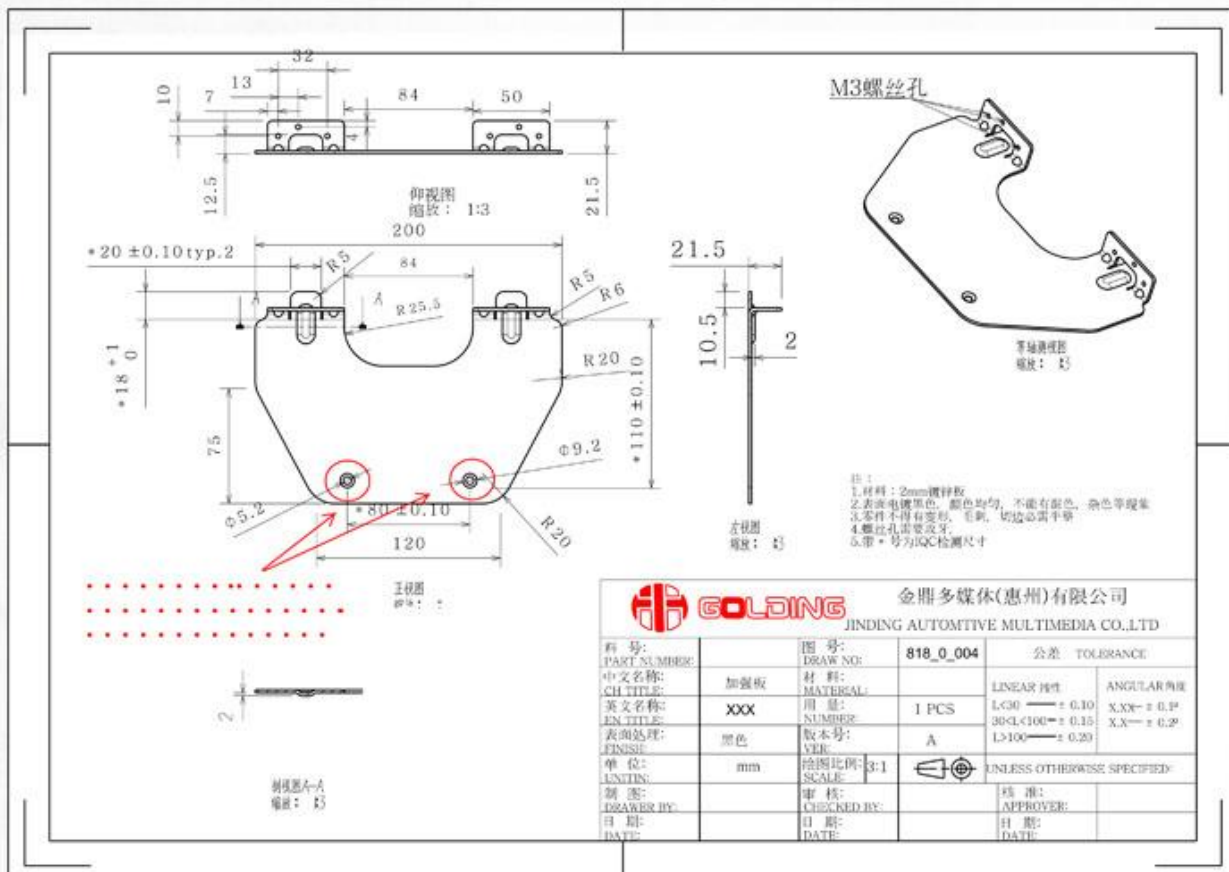


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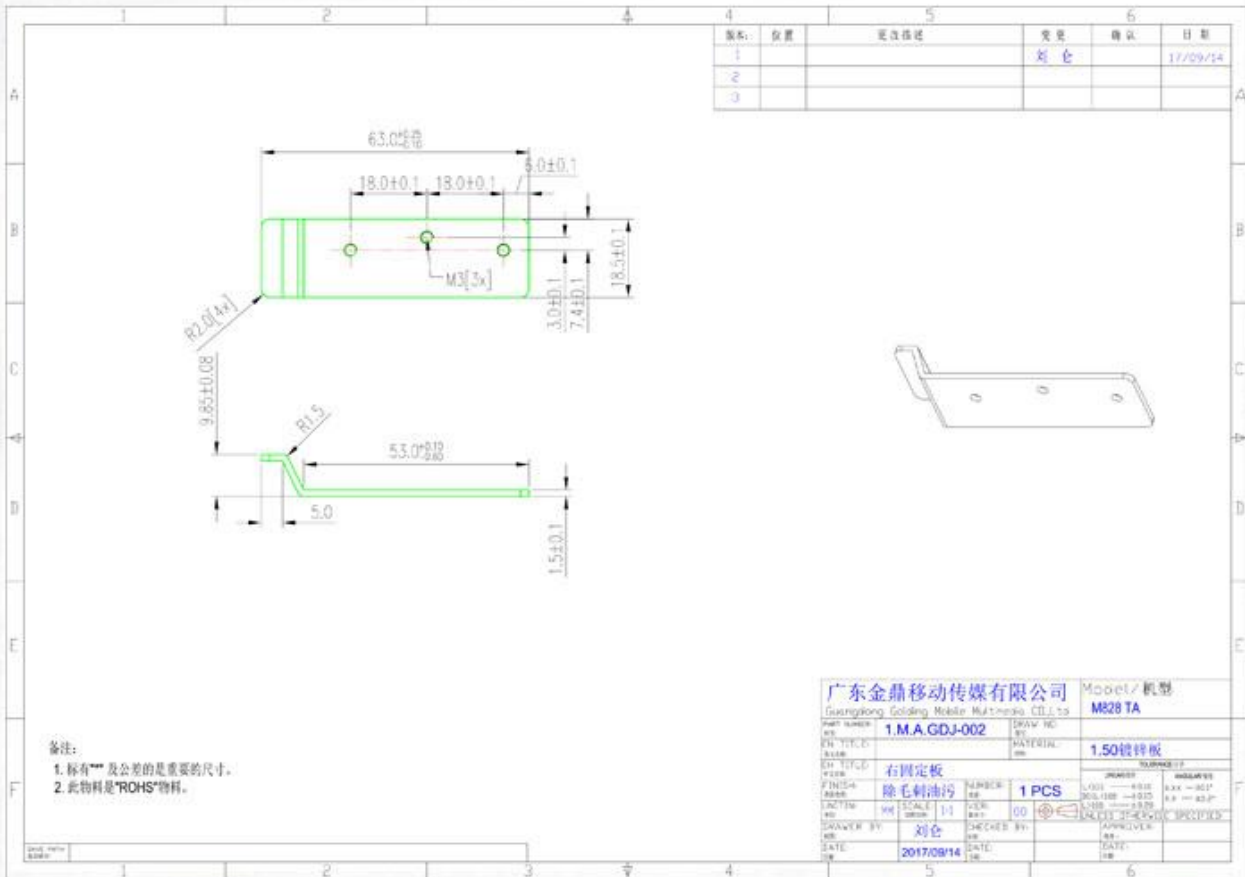


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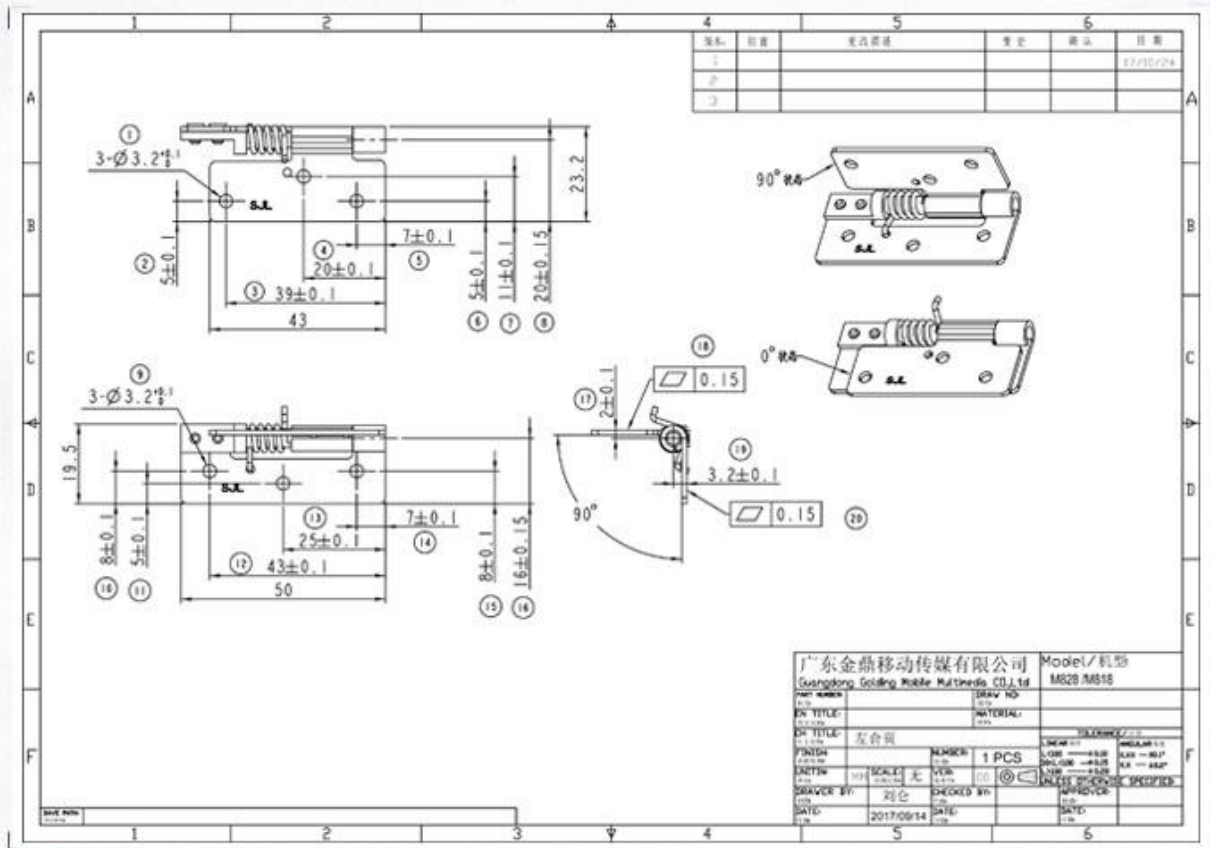




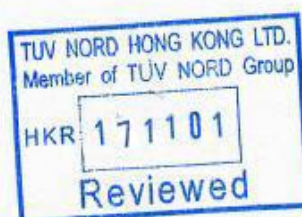
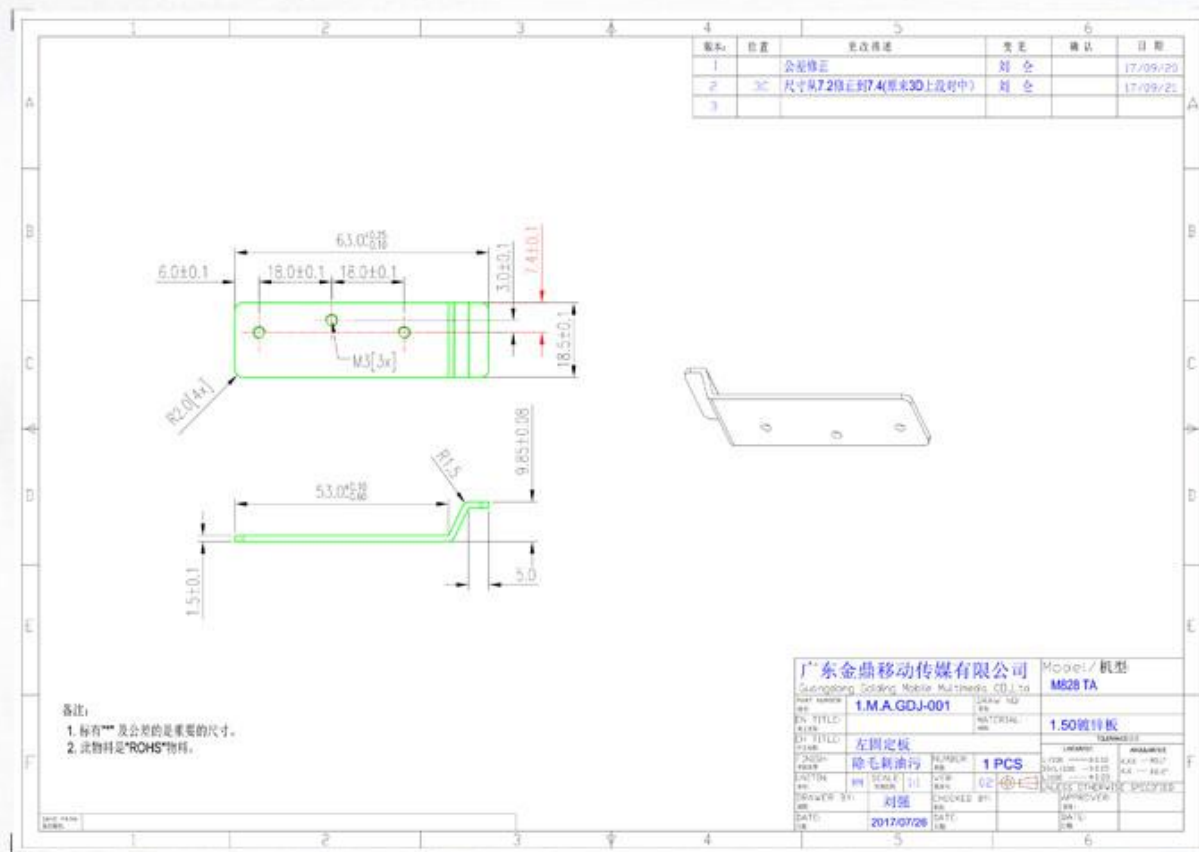
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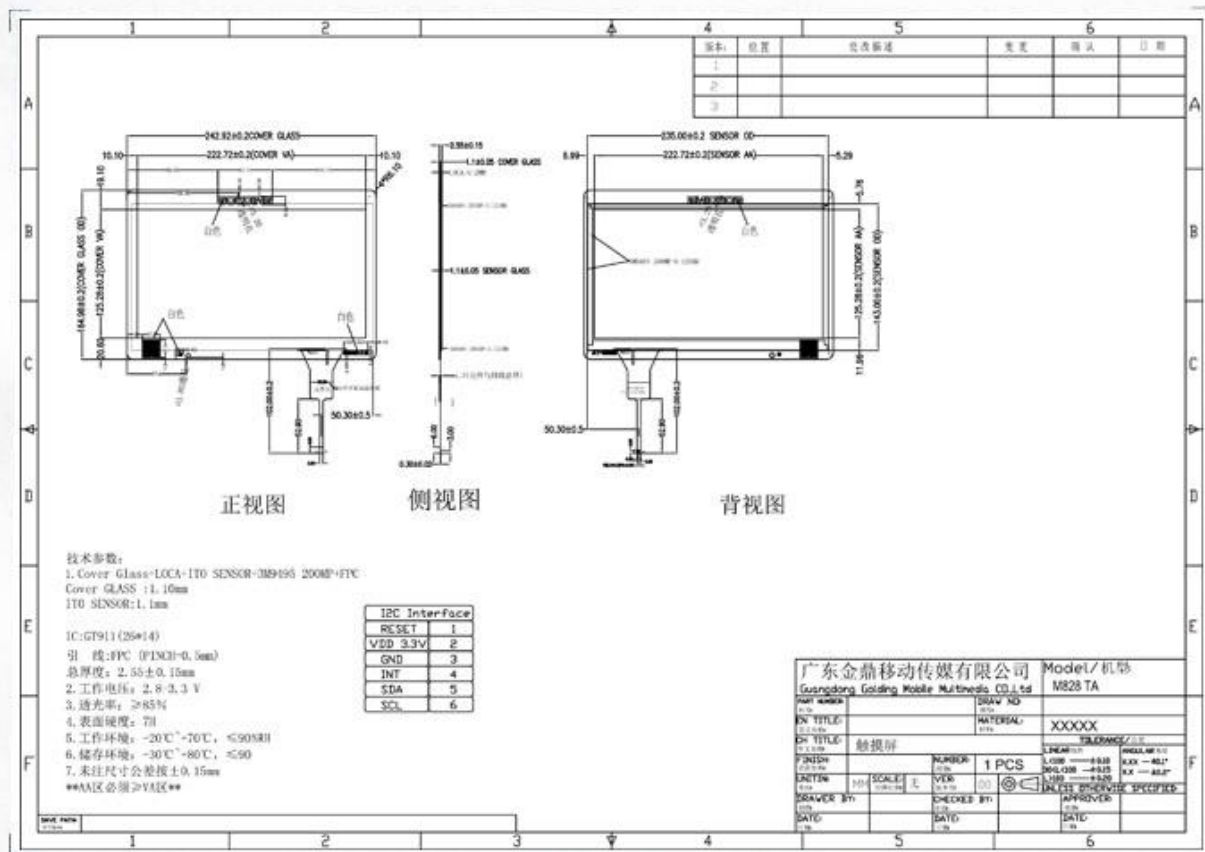
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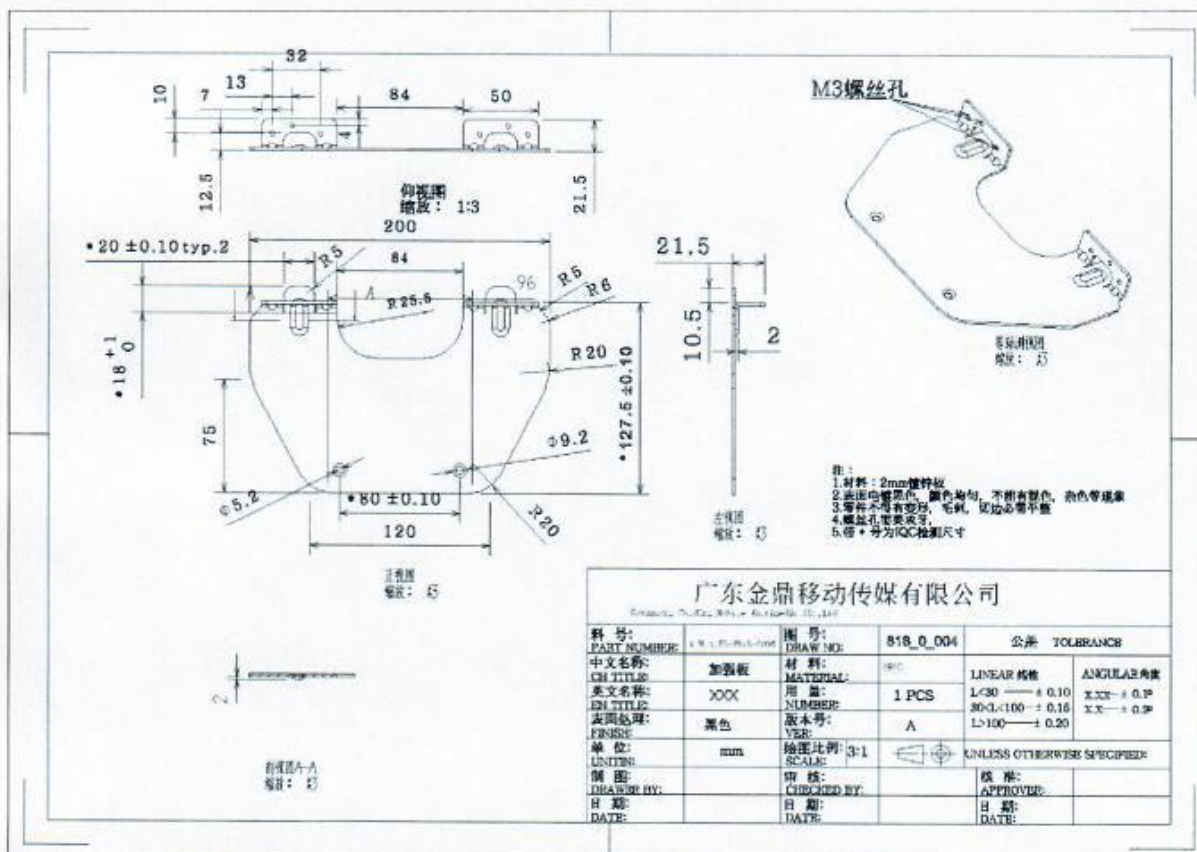
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Materials List

No.	Name	Material	Thickness	Quality
1	9 寸保护膜 9' inch protection film	OPP	0.06mm	1 PC
2	9 寸触摸屏 9' inch touch screen	tempered glass	1.0 – 2.0 mm	1 PC
3	面壳 Front shell	PC	1.0 – 2.5 mm	1 PC
4	导光柱	透明 ABS+导光粉 (钛粉)	1.4 – 2.5 mm	1 PC
5	9 寸 TFT 屏 9' inch TFT screen	tempered glass	3.0 – 5.0 mm	1 PC
6	显示屏左加强板 Screen plate	SECC	1.5mm	1 PC
7	显示屏右加强板 Screen plate	SECC	1.5mm	1 PC
8	绝缘纸	PAPER	0.5mm	1 PC
9	PCB 板 PCB board	FR4	1.6mm	1 PC
10	底壳 Cabinet-support	PC	1.0 – 2.5 mm	1 PC
11	左合页 Pivot bracket	SECC	1.2mm	1 PC
12	右合页 Pivot bracket	SECC	1.2mm	1 set
13	加强板 Mount bracket	SECC	2.0mm	1 PC

