

RA6963

LCD Controller

Reliability Test Report

Testing House : Golden-Tech Technologies Inc.
1F, 176, Sec 2, Gongdaowu Road, Hsinchu 300, Taiwan

Measurement Date: March 29, 2010

Part Manufacturer : RAIO TECHNOLOGY INC.
7F, No.19-1, Industry East 4th Road, Hsinchu Science Park,
Hsinchu, Taiwan
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Reliability Test Report

Ser. No. : 99012801

Company : RAIO Technology Inc.

Address : 7F, No.19-1, Industry East 4th Road, Hsinchu Science Park, Hsinchu, Taiwan

Date Received : 02/12/2010

Date Finished : 03/29/2010

Lab. Environment : Temp. : 25 °C ± 5 °C ; Humidity : 40 %RH ~ 70 %RH

Lab. Accreditation and Certificate:

TAF : Certificate # L1043-090506 (accredited under ISO/IEC 17025:2005)

IECQ : Certificate # T1090 (accredited under ISO/IEC 17025:2005)

We Hereby Certify That :

The test(s) shown in the attachment were conducted according to the indicating procedures. We assume full responsibility for the accuracy and completeness of these tests and vouch for the qualifications of all personnel performing them.

Remark:

1. This report will be invalid if reproduced in part or altered in any way.
2. This report refers only to the specimen(s) submitted to test, and is invalid if used otherwise.
3. The tested specimen(s) will only be preserved for thirty days from the date issued, if not collected by the applicant.

Note : Refer to CD for PDF report sheets.

	Name	Signature	Date
Testing Engineer	Miffy Su	<i>Miffy Su</i>	3/31/10
Approval Signatory	Anthony Chou/ Alex Lin	<i>Anthony</i>	3/31/10
Laboratory Head	Lillian Chan	<i>Lillian</i>	3/31/10

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General Information

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Testing Item

1. Temperature Humidity Bias Life Test

1. Testing Item :

1.1 Temperature Humidity Bias Life Test

2. TEST Specification and/ or standard:

2.1 Refer to JESD22-A101

3. TEST Sample and Quantity :

3.1 Test Sample: IC
3.2 Spec: LQFP67
3.3 Model: RA6963
3.4 Lot No.: 1X7255
3.5 Quantity: 45ea

4. Testing Equipment:

(1) TERCHY MHE-225QL 可程式恆溫恆濕試驗機 (Calibrate trace code: 981214)

5. Test Condition and procedure:

5.1 Test Condition:

5.1.1 85°C 85% ; 1000hrs; PS1: 5.5V

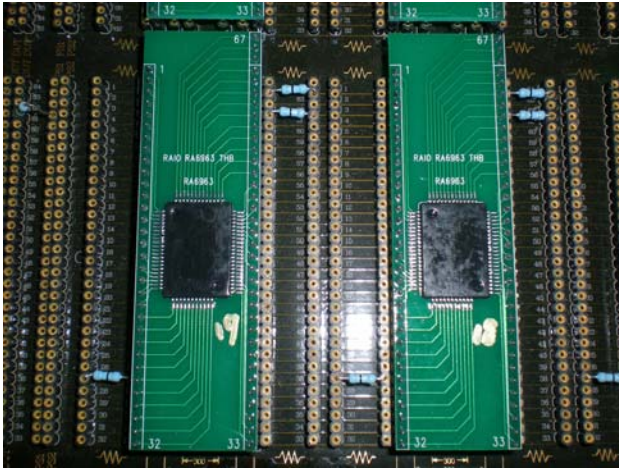
5.2 Test Procedure:

- 5.2.1 Check out Dut card's pin mapping and matching with IC samples.
- 5.2.2 Check out IC sample's quantities and mark with number.
- 5.2.3 Put Burn-in board into oven till up to test condition then start test.
- 5.2.4 Take out the samples and send back to the customer for F/T at 168hrs, 500hrs and 1000hrs.
- 5.2.5 Finish testing, under the room temperature, taking out IC samples, then package and send back to customer.

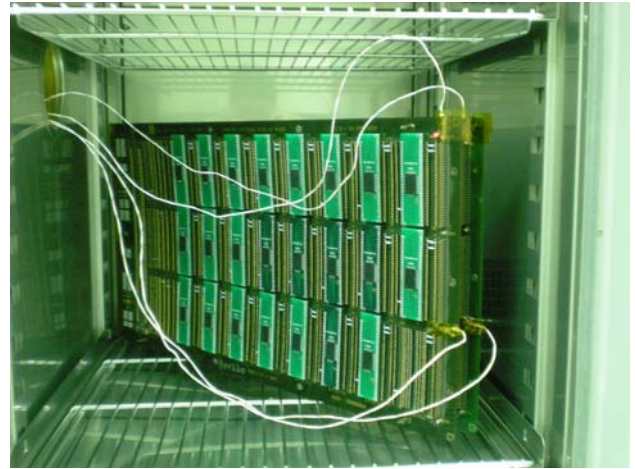
6. Result:

- 6.1 Visual Inspection of the 45ea ICs are pass.
- 6.2 The electrical functions of the 45ea ICs were all pass by customer's confirmation.

7. Pictures of Experiment:



7.1 The socket & IC samples within.



7.2 Prepare for running

Attachment 1 168 hr FT Test Report

FT測試紀錄表

TYPE_NO : RA6963L2NA ORDER_NO : P002007 良率下限 : 98 測試溫度 : 25
 SSE批號 : RTT1020022 客戶批號 : 1X7255 原批量 : 45 剩餘量 : 45

日期:時間	測試量	BIN 1	BIN 2	BIN 3	BIN 4	BIN 5	BIN 6	BIN 7	BIN 8	外觀不良	短少	FAIL總量	工號
2010/02/23 14:02	45	45	0	0	0	0	0	0	0	0	0	0	84043
日期:時間	FAIL重測量	BIN 1	BIN 2	BIN 3	BIN 4	BIN 5	BIN 6	BIN 7	BIN 8	外觀不良	短少	FAIL總量	工號
合計		45	0	0	0	0	0	0	0	0	0	0	
百分比 (合計 / 原批量)		100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

總出量 : 45 EA 良品數 : 45 EA 不良品數 0 EA 外觀不良 0 EA 短少數 : 0 EA 總良率 : 100.0 %
 (100.0 %) (0.0 %) (0.0 %) (0.0 %)

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Attachment 2 500 hr FT Test Report

FT測試紀錄表

TYPE_NO : RA6963L2NA ORDER_NO : P003002 良率下限 : 98 測試溫度 : 25
 SSE批號 : RTT1030005 客戶批號 : 1X7255 原批量 : 45 剩餘量 : 45

日期:時間	測試量	BIN 1	BIN 2	BIN 3	BIN 4	BIN 5	BIN 6	BIN 7	BIN 8	外觀不良	短少	FAIL總量	工號
2010/03/08 15:12	45	45	0	0	0	0	0	0	0	0	0	0	84043
日期:時間	FAIL重測量	BIN 1	BIN 2	BIN 3	BIN 4	BIN 5	BIN 6	BIN 7	BIN 8	外觀不良	短少	FAIL總量	工號
合計		45	0	0	0	0	0	0	0	0	0	0	
百分比 (合計 / 原批量)		100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

總出量 : 45 EA 良品數 : 45 EA 不良品數 0 EA 外觀不良 0 EA 短少數 : 0 EA 總良率 : 100.0 %
 (100.0 %) (0.0 %) (0.0 %) (0.0 %)

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Attachment 3 1000 hr FT Test Report

FT測試紀錄表

TYPE_NO : RA6963L2NA ORDER_NO : P003004 良率下限 : 98 測試溫度 : 25

SSE批號 : RTT1030034 客戶批號 : 1X7255 原批量 : 45 剩餘量 : 45

日期:時間	測試量	BIN 1	BIN 2	BIN 3	BIN 4	BIN 5	BIN 6	BIN 7	BIN 8	外觀不良	短少	FAIL總量	工號
2010/03/29-15:57	45	45	0	0	0	0	0	0	0	0	0	0	82023
日期:時間	FAIL重測量	BIN 1	BIN 2	BIN 3	BIN 4	BIN 5	BIN 6	BIN 7	BIN 8	外觀不良	短少	FAIL總量	工號
合計		45	0	0	0	0	0	0	0	0	0	0	
百分比 (合計 / 原批量)		100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

總出量 : 45	EA 良品數 : 45	EA 不良品數 : 0	EA 外觀不良 : 0	EA 短少數 : 0	EA 總良率 : 100.0 %
	(100.0 %)	(0.0 %)	(0.0 %)	(0.0 %)	

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