



TEST REPORT

Applicant: DigitalView Ltd
19th Floor, Tai Tung Building, 8 Fleming Road,
Wanchai, Hong Kong

Number: 0714227
Date: 30 June 2007

Sample Description

Product : LCD Display Controller
Model Number : HE1400
Electrical Rating : Powered by 12VDC
No. of Samples : Two (2)

Date Received : 18 June 2007

Date Test Conducted : 19 June 2007 - 29 June 2007

Test Request : Performance Test according to client's specification

Test Method : See the attached sheets.

Test Results : See the attached sheets.

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Prepared and checked by:

Lee Man Fai, Franco
Assistant Supervisor
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ETL SEMKO

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Test Result:

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Test Items	Test Method/ Requirements	Results		
Low Temperature Test	Set power input to 9V. Set temperature to -30°C (stay for 30 minutes). Perform functional check. Repeat test at -35°C and -40°C. If controller fail to operate, retest at the previous temperature, perform functional check at power input 12V and 15V (each stay for 30 minutes). If controller do not fail, perform functional check at -40°C and power input 12V and 15V.	-30°C	9V	Pass
			12V	N/A
			15V	N/A
		-35°C	9V	Pass
			12V	N/A
			15V	N/A
		-40°C	9V	Pass
			12V	Pass
			15V	Pass
High Temperature Test	Set power input to 15V. Set temperature to 80°C (stay for 30 minutes). Perform functional check. If controller fail to operate, retest at temperature decrements of 5°C (until it can operate), perform functional check at power input 12V and 9V (each stay for 30 minutes). If controller do not fail, perform functional check at 80°C and power input 12V and 9V (each stay for 30 minutes).	80°C	15V	Pass
			12V	Pass
			9V	Pass

N/A (Not applicable) represent the sample need not test because it can function in next temperature stage.

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Functional Check Method:

Step 1: Power on the HE1400 controller by pressing the Push button on OSD switch mount P/N 4161007-00.

Step 2: Set 1280x1024 60Hz mode in the PC.

Step 3: Display image on LCD panel on ARGB mode:
- Press "MENU" Key to turn on the OSD menu and choose the icon 1.
- Press "SEL DN" Key to select and choose ARGB mode input.

Step 4: Open the "Ntest" test program provided by DigitalView.

Step 5: Get the ARGB display image as below:

Step 6: Check the ARGB display image (do not need to care on the image position whether it is fill on screen)

Step 7: Change the input video source to DVI:
- Press "MENU" Key to turn on the OSD menu and choose the icon 2.
- Press "SEL DN" Key to select and choose DVI mode input.

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Test Setup Photo



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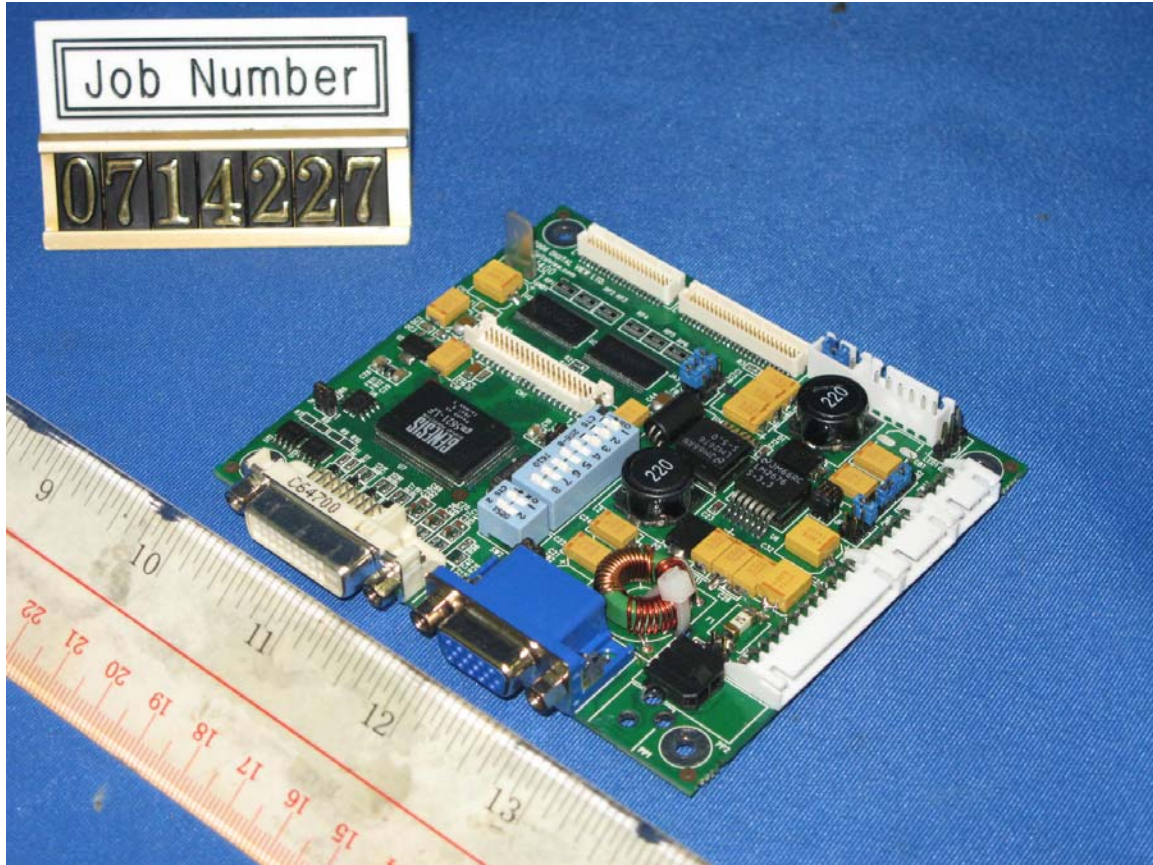
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Product Photos:

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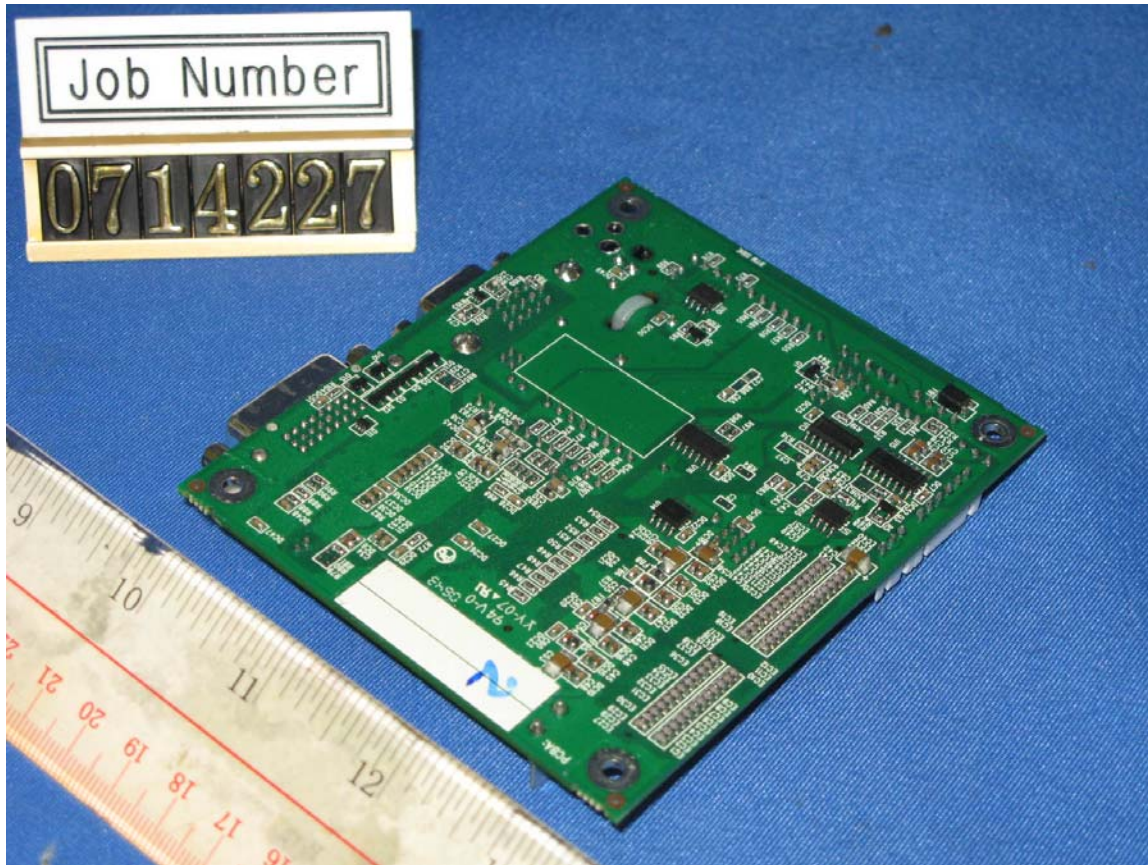
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Applicant: DigitalView Ltd
19th Floor, Tai Tung Building, 8 Fleming Road,
Wanchai, Hong Kong

Number: 0709311

Date: 18 May 2007

Sample Description

Product : LCD Display Controller
Model Number : HE-1400
Electrical Rating : Powered by 12VDC
No. of Samples : Two (2)

Date Received : 29 April 2007

Date Test Conducted : 30 April 2007 - 10 May 2007

Test Request : Performance Test according to client's specification

Test Method : See the attached sheets.

Test Results : See the attached sheets.

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Prepared and checked by:



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Intertek Hong Kong
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Test Result:

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Test Items	Test Purposes	Test Method/ Requirements	Result	
Storage Temperature Test	Test whether the PCBA can meet the storage temperature in -40°C and +85°C.	-40°C storage for 24hours and then take out to room temperature for checking function (see Appendix).	OK	
		85°C storage for 24hours and then take out to room temperature for checking function (see Appendix).	OK	
Humidity Test	Check whether the PCBA can withstand humidity 90% R.H. at 50°C for 48 hours.	Put the PCBA inside Chamber at 50°C 90% R.H. for 48 hours and then take out to room temperature for checking function (see Appendix).	OK	
Low Temperature Startup Test	Check the startup temperature of the PCBA.	Starting from -20°C up to -40°C, check the lowest startup temperature, and perform functional check (see Appendix).	The PCBA can startup at -40°C, and function properly.	
Operating Temperature	Confirm whether the PCBA can meet the temperature in -20°C to +80°C.	Start testing from -20°C (stay 30 mins), rise up to 60°C (stay 30 mins), rise up to 70°C (stay 30 mins), rise up to 80°C (stay 30 mins). Check the function (see Appendix) at each temperature stage.	-20°C	OK
			60°C	OK
			70°C	OK
			80°C	OK

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Functional Check Method:

Step 1: Power on the M-1400 controller by pressing the Push button on OSD switch mount P/N 4161007-00.

Step 2: Set 1280x1024 60Hz mode in the PC.

Step 3: Display image on LCD panel on ARGB mode:

- Press "MENU" Key to turn on the OSD menu and choose the icon 1.
- Press "SEL DN" Key to select and choose ARGB mode input.

Step 4: Open the "Ntest" test program provided by DigitalView.

Step 5: Get the ARGB display image as below:

Step 6: Check the ARGB display image (do not need to care on the image position whether it is fill on screen)

Step 7: Change the input video source to DVI:

- Press "MENU" Key to turn on the OSD menu and choose the icon 2.
- Press "SEL DN" Key to select and choose DVI mode input.

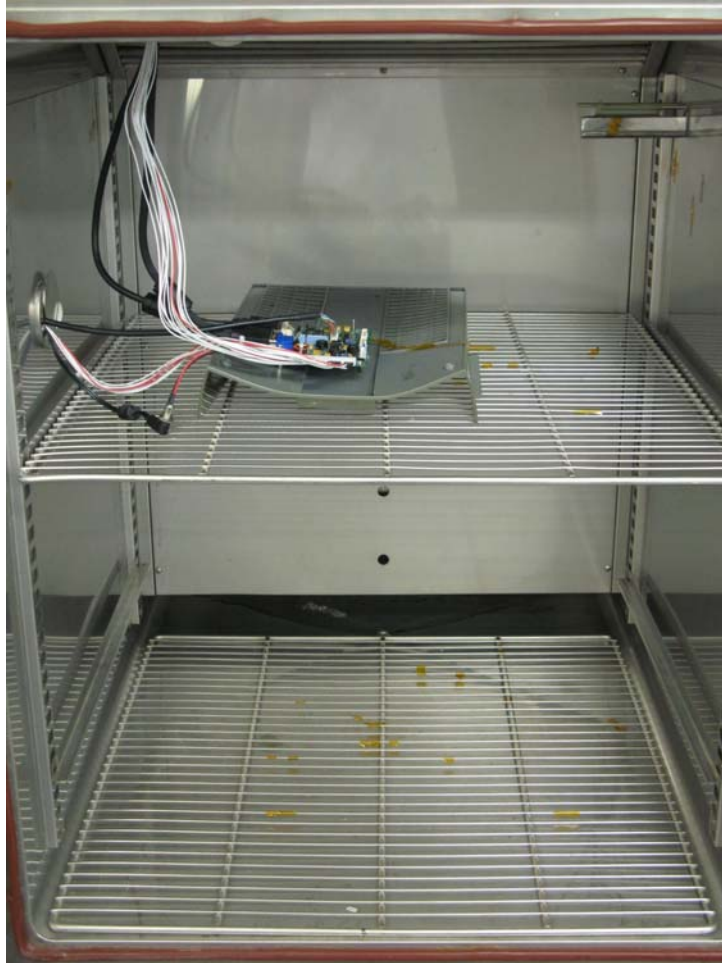
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Test Setup Photo



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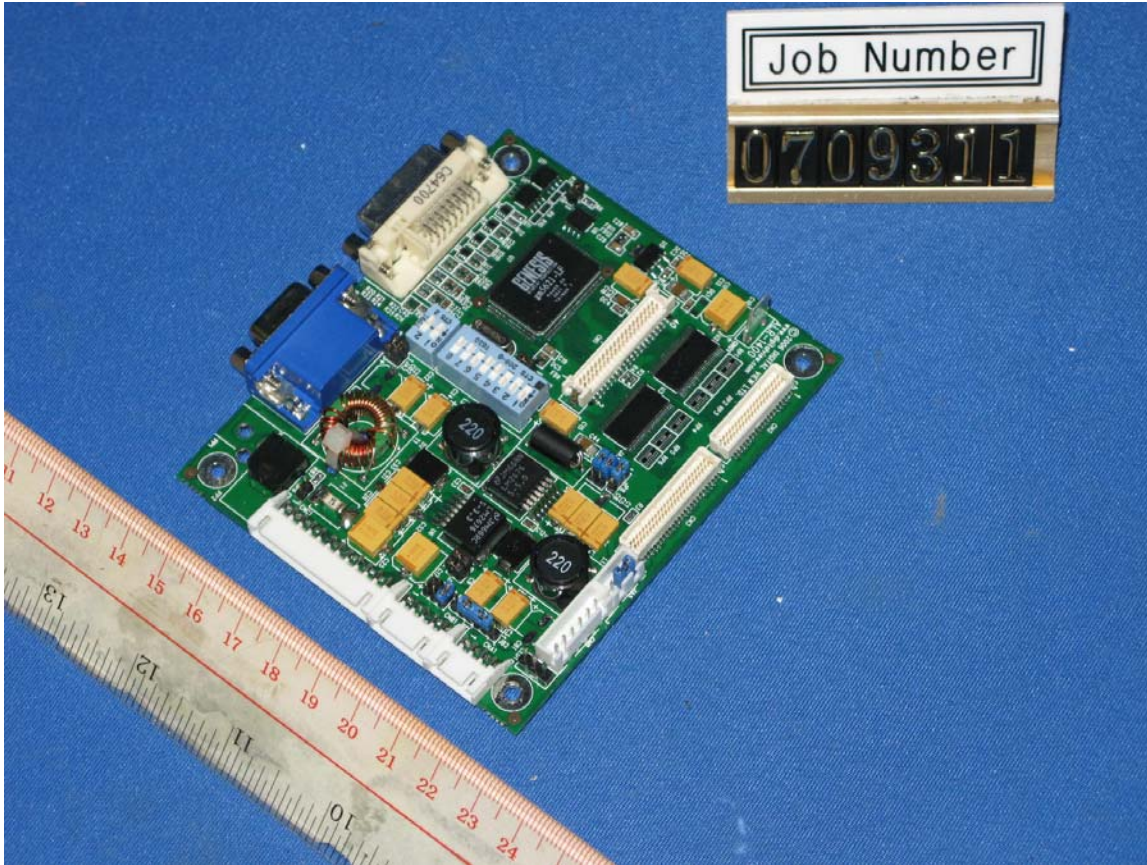
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Product Photos:

Front



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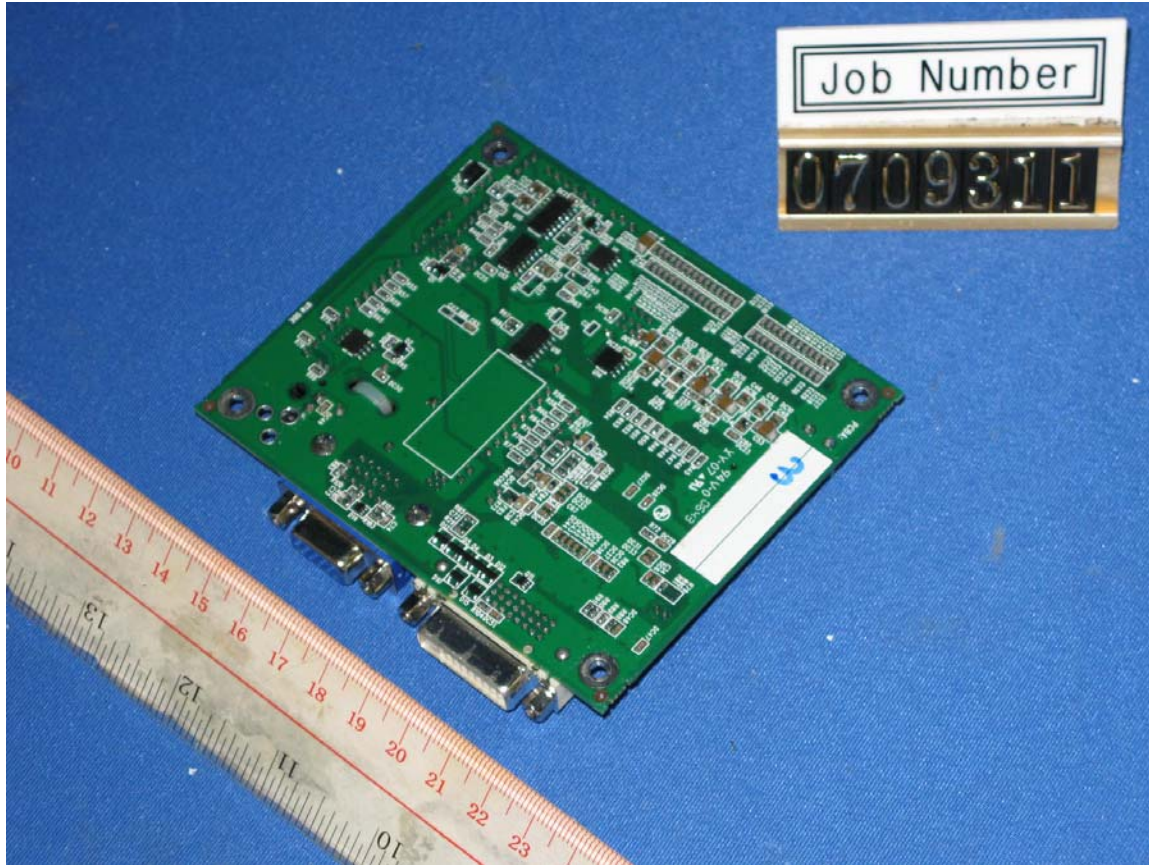
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