



TEST REPORT

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

Number: HK08010367-1
Date: 30 January 2008

Sample Description

Product : LCD Display Controller
Model Number : HE-1920
Electrical Rating : Powered by 12VDC
No. of Samples : One (1)

Date Received : 8 January 2008

Date Test Conducted : 9 January 2008 - 25 January 2008

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
Intertek Hong Kong

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Test Result:

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Test Items	Test Method/ Requirements	Results		
Storage Test	-40°C storage for 24hours and then perform functional check in room temperature within 30mins. (see Appendix).	OK		
	85°C storage for 24hours and then perform functional check in room temperature within 30mins. (see Appendix).	OK		
Temperature and Humidity Test	Put the PCBA inside Chamber at 50°C 90% R.H. for 48 hours and then perform functional check. (see Appendix).	OK		
Low Temperature Startup Test (without specific humidity)	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.		
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

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 HE-1920 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 VGA mode:
- Press "MENU" Key to turn on the OSD menu and choose the "Main Source" menu.
- Press "+" Key to select and choose VGA mode input.
- Step 4: Open the "Nokia" test program provided by DigitalView.
- Step 5: Get the VGA display image.
- Step 6: Check the VGA display image (do not need to care on the image position whether it is filled on screen)
- Step 7: Change the input video source to DVI:
- Press "MENU" Key to turn on the OSD menu and choose the "Main Source" menu.
- Press "+" Key to select and choose DVI mode input.
- Step 8: Get the DVI display image.
- Step 9: Check the DVI display image (do not need to care on the image position whether it is filled on screen)
- Step 10: Change the input video source to Composite 1
- Press "MENU" Key to turn on the OSD menu and choose the "Main Source" menu.
- Press "+" Key to select and choose Composite mode input.
- Step:11: Check the Composite display image (do not need to care on the image position whether it is filled on screen)
- Step 12: Change the input video source to S-Video:
- Press "MENU" Key to turn on the OSD menu and choose the "Main Source" menu.
- Press "+" Key to select and choose S-Video mode input.
- Step 13: Check the S-Video display image (do not need to care on the image position whether it is filled on screen)

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Test Setup Photo



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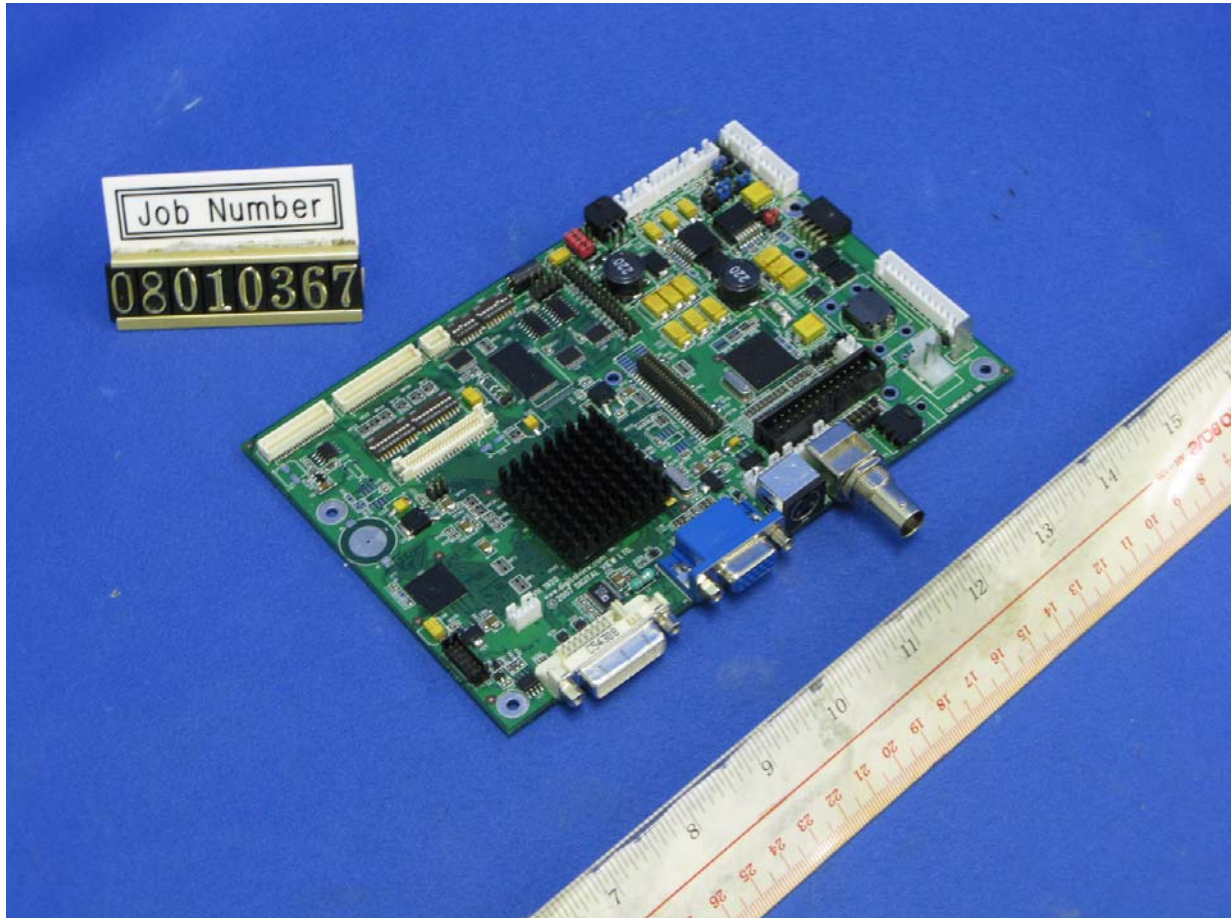
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Appendix:

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Product Photos:

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Product Photos:

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Test Result:

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Test Items	Test Method/ Requirements	Results		
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

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- Step 5: Get the VGA display image.
- Step 6: Check the VGA display image (do not need to care on the image position whether it is filled on screen)
- Step 7: Change the input video source to DVI:
- Press "MENU" Key to turn on the OSD menu and choose the "Main Source" menu.
- Press "+" Key to select and choose DVI mode input.
- Step 8: Get the DVI display image.
- Step 9: Check the DVI display image (do not need to care on the image position whether it is filled on screen)
- Step 10: Change the input video source to Composite 1
- Press "MENU" Key to turn on the OSD menu and choose the "Main Source" menu.
- Press "+" Key to select and choose Composite mode input.
- Step:11: Check the Composite display image (do not need to care on the image position whether it is filled on screen)
- Step 12: Change the input video source to S-Video:
- Press "MENU" Key to turn on the OSD menu and choose the "Main Source" menu.
- Press "+" Key to select and choose S-Video mode input.
- Step 13: Check the S-Video display image (do not need to care on the image position whether it is filled on screen)

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Test Setup Photo



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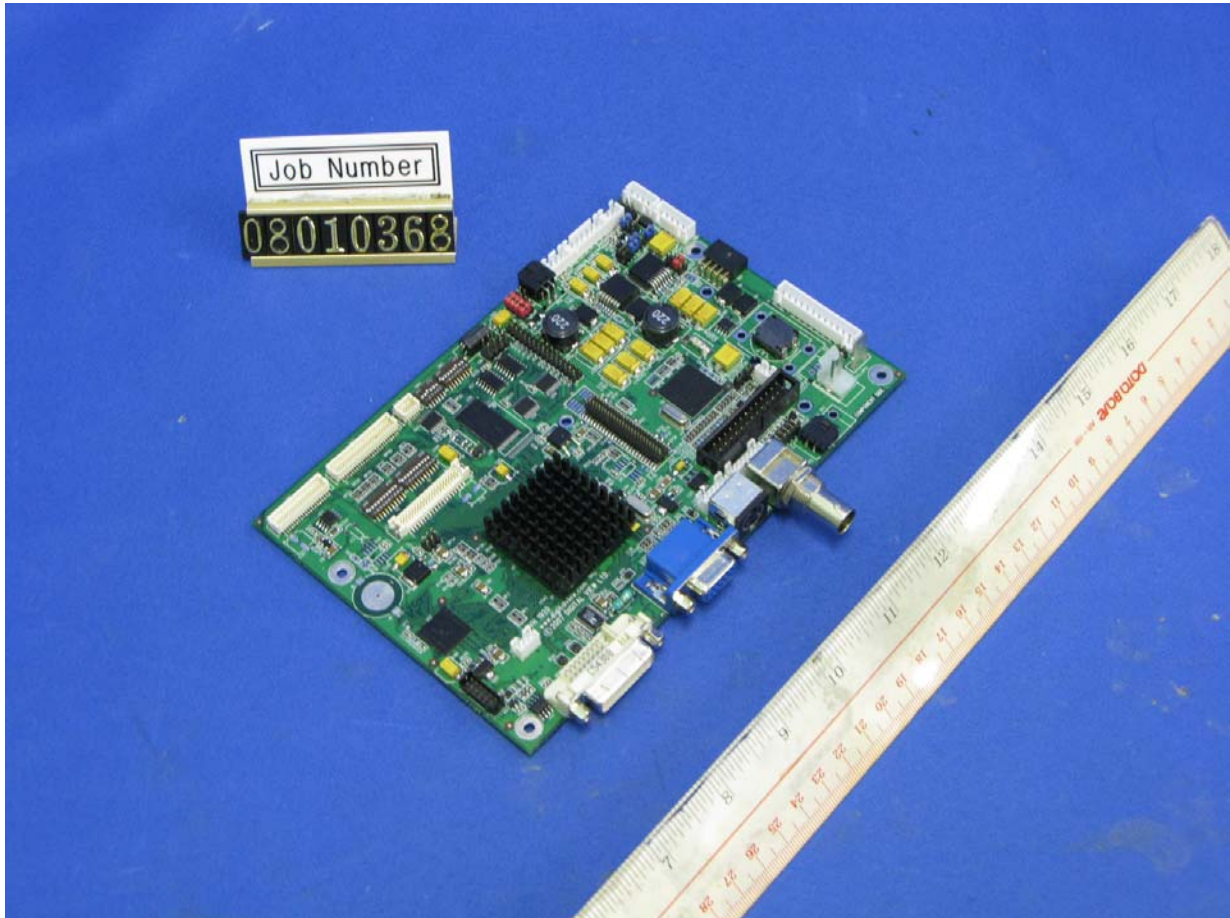
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Appendix:

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Product Photos:

Front



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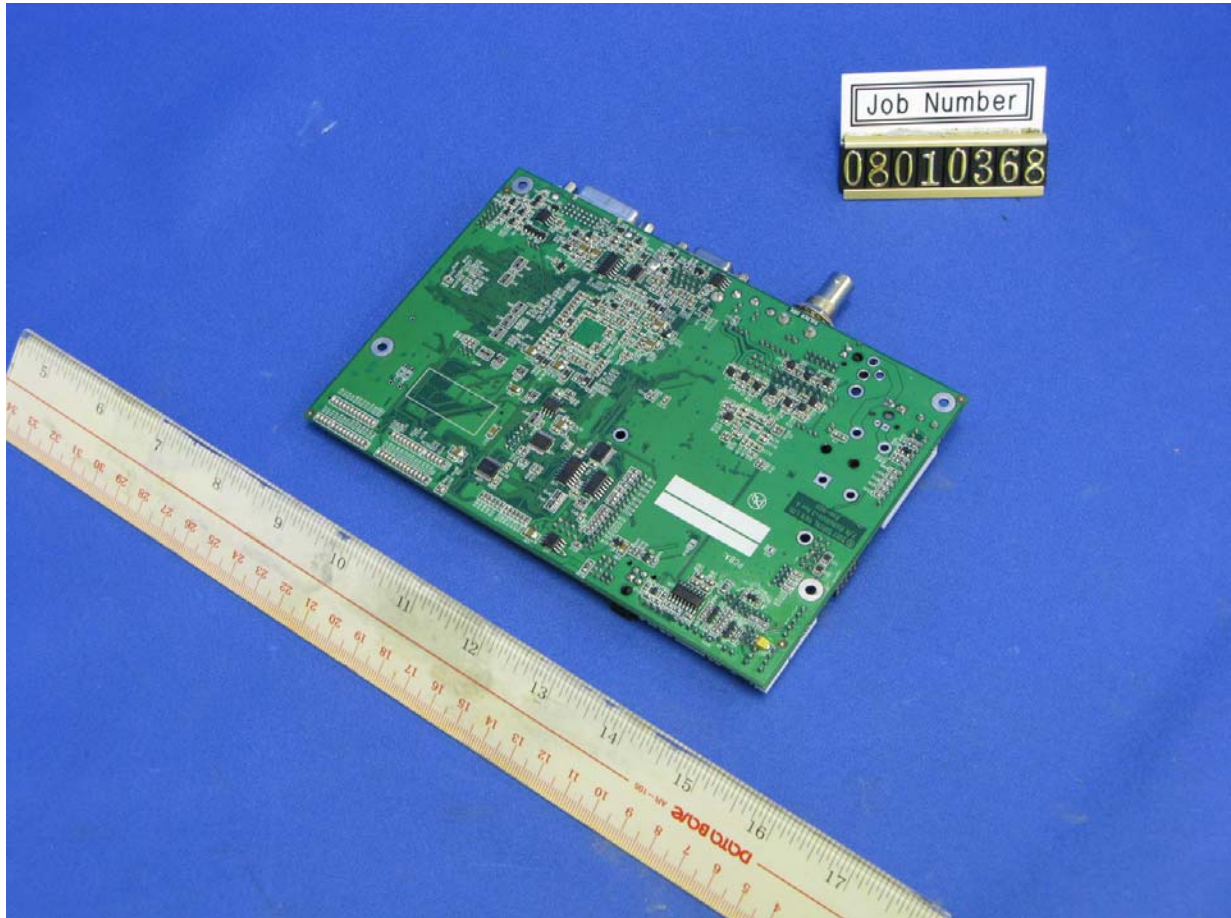
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