

ASUSTeK COMPUTER INC.	RTX2080-8GD6 Standard Operation Procedure	Doc. No:	
		Date: Apr.23.2019 Revision: 1.00	
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0Rev.	Modified Chapters	Modification Description	Issued Dept.	Issued by	Revised Date
1.00		First release	GRTD	Maico_Zhang	Apr.23.2019

## 1.Objectives

Create test procedure.

## 2.Scope

Model: RTX2080-8GD6

PN: PD02R0

## 3.Test Item

[3.1 Diagnostic test in Tiny Linux](#)

<b>Authorize by</b>		<b>Review by</b>		<b>Originator By</b>	Maico
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#### 4. Relevant Document

None.

**5. Definition :** 1. If the model name contains P, please test HDCP function.

Ex: EAH\*\*\*/HTDP/512M/A

2. If you test HDMI already, it's unnecessary to test HDCP. The HDMI contains HDCP function.

#### 6. Operation Procedures:

##### 6.1 Attention

- 6.1.1 To avoid damaging devices or M/B, please turn off A/C power then unplug VGA card.
- 6.1.2 While unplugging the card, do it in upright direction to avoid damaging slot & golden finger.
- 6.1.3 If any problem happens, please inform test supervisor. Base on ATX power specification, +5V standby voltage is existed while AC power is connecting. For safety reason, please turn off main power during break time or idling test.
- 6.1.4 Some test items should be tested under Windows environment. (Please install windows test environment by yourself).

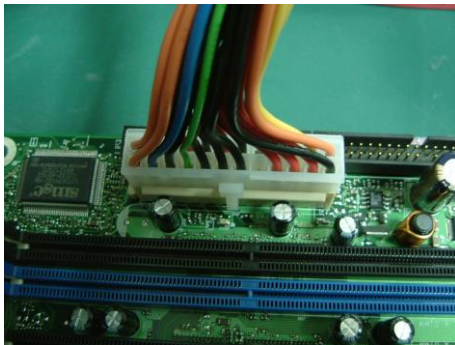
##### 6.2 Fixture connect

- 6.2.1 Install Intel CPU & CPU Fan.
- 6.2.2 Install DDR3 Memory to DIMM1~4..
- 6.2.3 Plug USB Mouse and PS/2 Keyboard into MB.
- 6.2.4 Plug VGA Card RTX2080 into PCIEX16.
- 6.2.5 Connect power con of VGA card & Power supply via bundled power cable.
- 6.2.6 Connect SATA HDD with SATA CON.



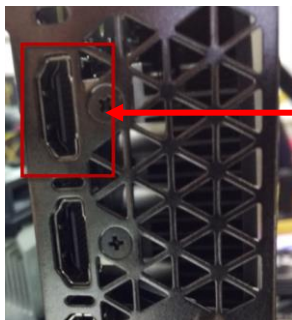
6.2.7 Plug 4PIN 12V (1200W) power cable into CON12V.

6.2.8 Plug ATX Power (1200W) on Power Connector.



## 6.3 Diagnostic test in Tiny Linux.

6.3.1 Please connect LCD monitor & card's first HDMI CON via a HDMI cable.



HDMI Cable



6.3.2 Press Power Switch then turn on power button.

6.3.3 Press "Del" to enter CMOS setup menu while boot screen is displaying.

**EXIT -> Load Setup Defaults.**



6.3.4 System will reboot, select Linux to run test program.

Path: RTX2080-8GD6\pd02r0.sh

#### 6.3.5 BIOS flash

If you want to check Vbios info, Please run **biosinfo**

Please use the following command to flash bios and notice the size of character.

Path: Path: RTX2080-8GD6\

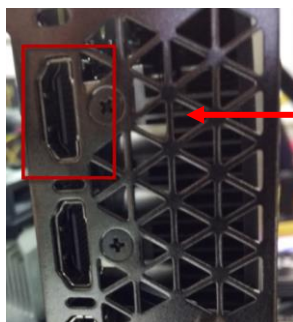
Command: **nvflash xxx.rom -6 -A** or **iromflsh xxx.rom**

**Notice:**

If you can not flash bios because of the bios locked, please use **nvflash.exe /r** or **nvflash.exe -r** to unlock bios. And then, please use **nvflash.exe /w** or **nvflash.exe -w** to lock bios after updating latest bios.

6.3.6 Please connect LCD monitor & card's the other HDMI CON via a HDMI cable.

(Please refer to step 6.3.2&6.3.4)



HDMI Cable



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6.3.7 If test OK, please NTF test.

## 7 Appendix

NO#	Equipment Description	ASUS Part#	Supplier	Quantity	Remarks
1	SAMSUNG 2232MW			1	
2	USB MOUSE			1	
3	PS/2 KEYBOARD			1	
4	ATX POWER SUPPLY (a minimum power of 800W)			1	
5	Intel CPU Intel(R) i5 4570 CPU		local	1	
6	Heat sink + FAN	22-240000160		1	
7	DDR3 1333 2G	20-TT2605618	local	4	
8	TEST HDD			1	
9	SATA HDD Cable	14-000107070	ASUS	1	
10	PCIEX16 VGA CARD			1	
11	HDMI extend cable (Buying a local HDMI cable by yourself)			1	
13	ASUS Z97-PRO MB			1	
14	LCD "Y" Cable	14-010230000		1	