

NEWS LETTER

Introducing ZX202HD, and ZX200L508

**ZX202HD - Extended Display Identification Data, EDID, emulator
ZX200L508 is 8 channel precision termination load board**

ZX202HD facilitates testing of various HDMI resolutions for purpose of electrical and protocol testing. Supporting EDID standard published by VESA

ZX200L508-HD is 8 channel precision termination load board providing 49.9Ω load with 3.3V (external power supply, optional)

CEA extension is a 128 byte EDID 1.3 compatible extension block defined in CEA-861-F. It is designed to allow declaration of audio formats, additional video formats and other characteristics of sink device.

ZX202HD

Introducing EDID emulator for HDMI test and debug applications. ZX202HD facilitates testing of various HDMI resolutions for purpose of electrical and protocol testing. The key feature of the ZX202HD are as follow:

1. Onboard HotPlug Detect, HPD, switch providing HPD signal to sink device for invoking re-read of the EDID without unplugging the HDMI cable assembly.
2. Onboard pre-programmed eeproms provides easy method to switch between any of the 5 resolutions.
3. Accessible CEC signal for monitoring and external stimulus.
4. Accessible DDC, and HPD, 5VDC, GND via onboard headers.
5. Option to apply external power supply, monitoring any false HPD detection.
6. Easy interface to 3rd parts HDMI test boards.

The module is shipped with the following eeproms:

- 4K 60Hz
- 4K 30Hz
- 4K-UHD 60Hz
- 1080p 120Hz
- 1080p 60Hz
- 720p 60Hz – available.
- SMA cable assembly - HPD

Datasheet: [ZX202HD](#)



Application: Pre-Bringup, bringup, test, debugging, emulation and validation of HDMI solutions.

ZX200L508-HD

ZX200L508-HD is 8 port HDMI 2.0 precision load board providing 49.9Ω load with 3.3V (external power supply, optional). It is designed for HDMI 2.0 electrical test as well as general purpose high speed applications requiring high quality load board - module.

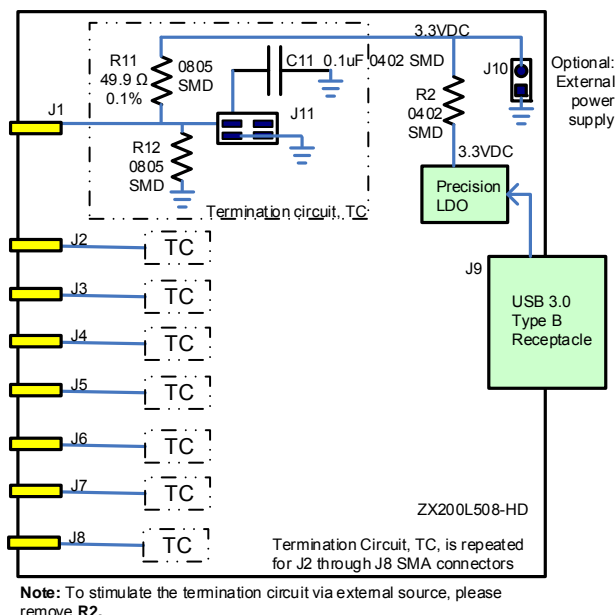
The key feature of the ZX200L508-HD are as follow :

1. 8 port precision termination load, using SMA plug or Jack connectors.
2. Designed for DC - 10GHz applications
3. Precision, 49.9Ω 0.1% load, SMD 0805 package
4. Precision 3.3V 0.1% tolerance
5. Configurable load termination:
 - A) Terminated to onboard 3.3V 0.1% supply, default
 - B) Terminated to external power supply.
 - C) Terminated to system GND
5. Accessible 2x2 pin header for interfacing to scope probe & test equipment.
6. USB based , requires 5.0V from any Lab equipment, PC.

The module is shipped with the USB 3.1 cable assembly.

Datasheet: [ZX200L508-HD](#)

Application: Test and measurement , precision load termination , HDMI 2.0 precision load termination



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