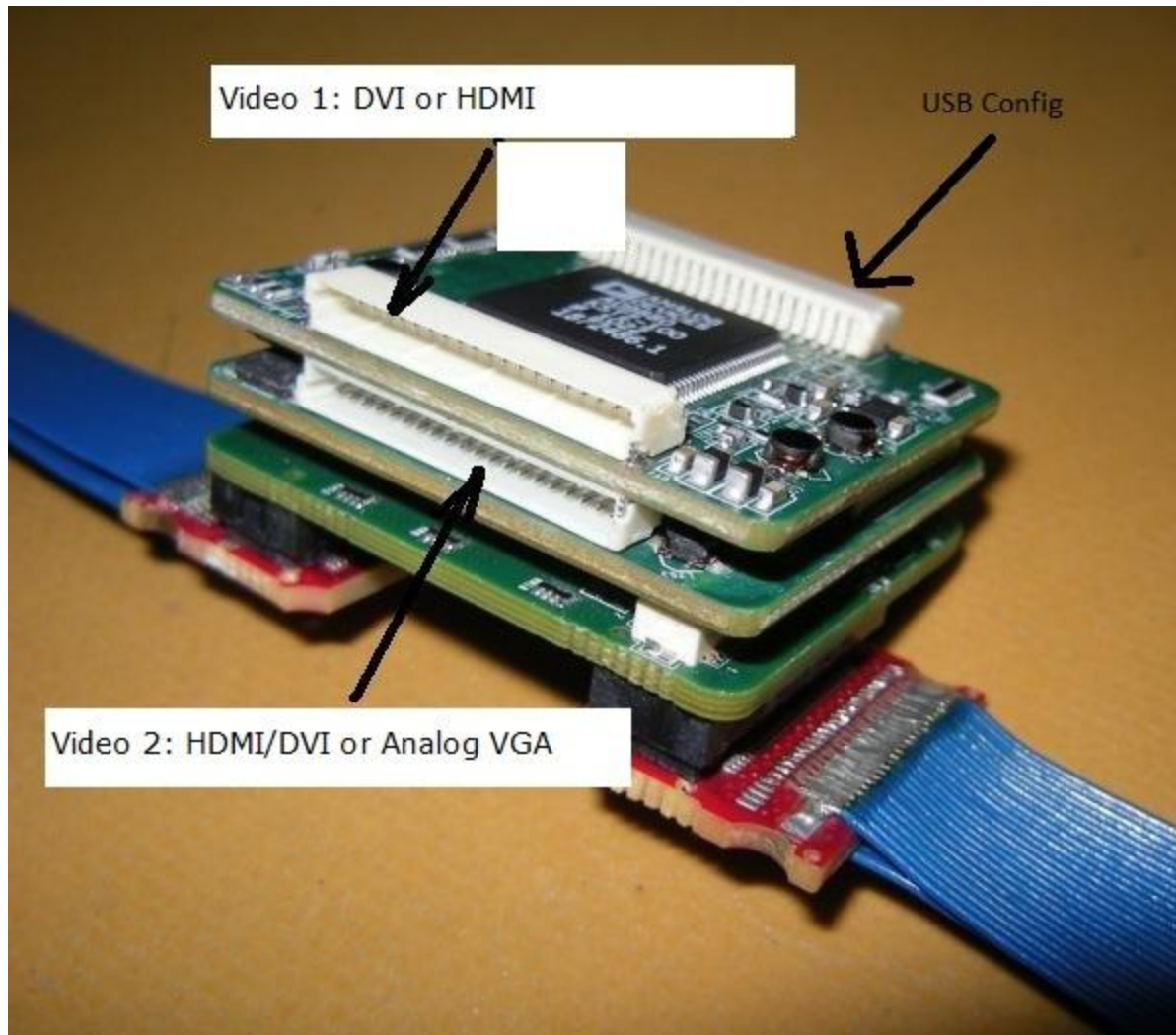# SXGA-1015 (SM-DM-DS) Connectors

SXGA-1015 (SM-DM-DS) Connectors

The picture shows the connectors that are used for the SXGA-1015 product family.

Three connectors are outlined.

1. USB Configuration
2. Video 1: DVI or HDMI
3. Video 2: HDMI/DVI or Analog VGA

Note: The picture shows a SXGA-1015DS however the connectors are the Same for the SM, DS, and SM products.

SXGA-1015 (SM-DM-DS) Connectors

1. USB Configuration – This connector is use with the OLED Configuration software to modify and/or updates settings to the Driver Board and the OLED registers. This includes:
   1. Updating the Gamma table
   2. Flipping the OLED image (up/down) or Left/right.
   3. Adjusting the brightness of the OLED
   4. Digital & Analog Ports and UART (see next slide)
   5. Note: To use the USB configuration cable the USB Driver must be downloaded from our website.

2. Video 1: DVI or HDMI – This connector is use with the SM and DS version of the SXGA1015 product. The ports supports both HDMI and DVI cables.

3. Video 2: HDMI/DVI or Analog VGA - This connector is use only with the SXGA-1015DS product or if the customer has requested special custom features such as HDMI audio. An analog VGA cable can also be used with this port.

![MRA digital logo]
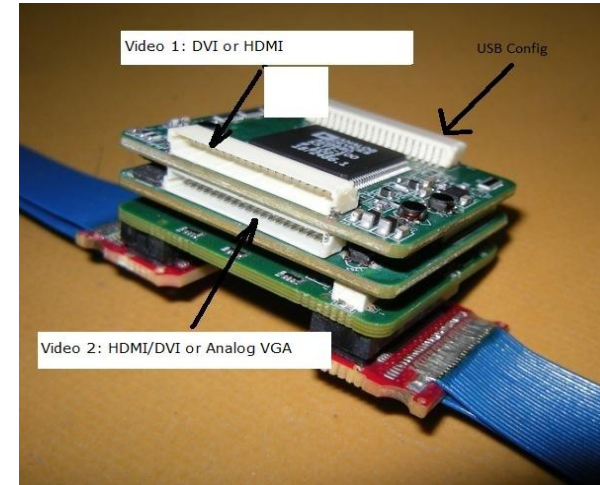
SXGA-1015 (SM-DM-DS) Connectors

USB Configuration connector - The USB config. Connector can also be used as a auxiliary port to connector external signals such as analog and digital switches, dials, etc. to the on board processor.

GPIO Pins (2.5V CMOS) - A total of 6 GPIO ports are available for user application needs, a detailed description of these signals are described in the [SXGA-1015 Datasheet](). It must be noted however that use of the GPIO ports will require a customer firmware build. Contact us with your application requires.

UART (3.3V CMOS) – A UART is available to connect the driver board to an external host processor to allow for total control of the driver board. Any function that is available with the configuration software is also available using the UART port. Contact us for the Interface Communication Document (ICD) if your application requires external control.