LT86102EX - HDMI/DVI 1:2 Splitter

1.General Description

The LT86102EX is Lontium's 3rd generation 2-port HDMI/DVI splitter which can repeat one HDMI/DVI signal to 2 HDMI/DVI signal sets, support up to 2 different HDMI/DVI receiving/display terminals. Based on ClearedEdge™ technology, it supports up to 3.4Gbps data rate per channel, compliant with the HDMI 1.4/DVI 1.0 specifications.

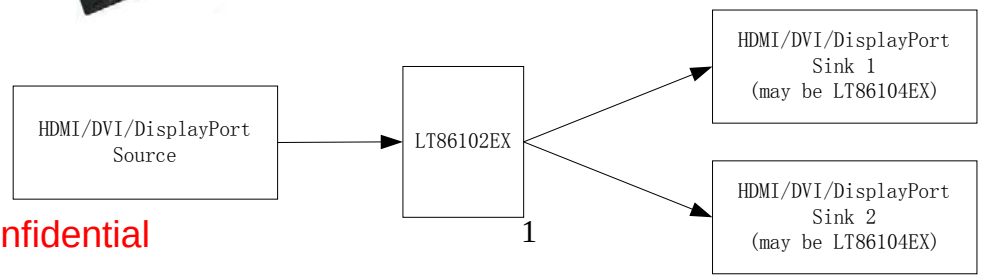
Fabricated in an advanced CMOS process, the LT86102EX is provided in a 80-lead LQFP package and is specified over the 0° C to +70° C temperature range.

2. FEATURES

- HDMI 1.4/DVI 1.0 specifications compliant
- Support 3D video formats and 4Kx2K extended resolution formats up to 3.4Gbps data rate
- Adaptive equalization and de-emphasis to compensate long cable losses
- ODTs and calibration
- Integrated HDCP repeater engine compliant with HDCP 1.4 specification
- Fully hardware-controlled or optional software-controlled HDCP operations
- Pre-programmed HDCP key sets or external EEPROM stored key sets
- 5V-tolerant DDC interfaces
- 1 HDMI/DVI input port, up to 2 HDMI/DVI output ports
- Unlimited cascading for more output ports or signal repeating
- 80-pin LQFP package

3. APPLICATIONS

- Multiple display/TV support
- HDMI/DVI signal splitting/repeating



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