

# LT86102SXE --- Product Brief

## HDMI1.4/2.0 & DVI1.0 1:2 Splitter

### Features

- HDMI 1.4/2.0&DVI 1.0 specifications compliant
- Support 3D video formats and 4Kx2K extended resolution formats up to 3.4Gbps data rate and 4Kx2K @60Hz YCbCr 4:2:0 format
- 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
- Integrated CEC controller
- Integrated EDID shadow RAM and embedded EDID
- 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

### Description

LT86102SXE is Lontium's 4rd 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 ClearEdge™ Technology, it supports up to 3.4Gbps data rate per channel, compliant with the HDMI 1.4/2.0&DVI 1.0 specifications.

### Applications

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

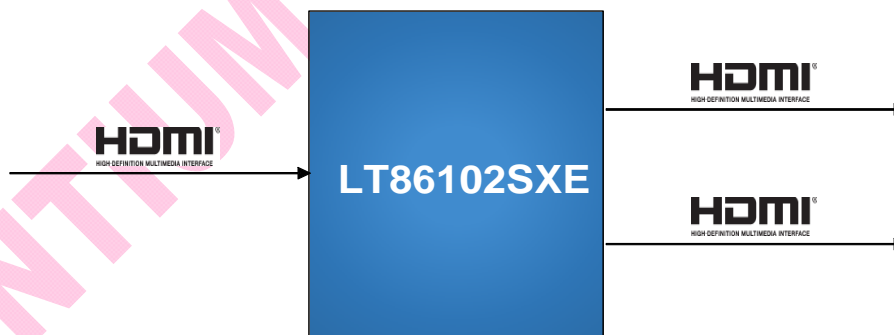


Figure 1. Application Diagram

### Ordering Information

| Part Number | Operating Temperature Range | Package        | Packing Method |
|-------------|-----------------------------|----------------|----------------|
| LT86102SXE  | -40° C to +85° C            | LQFP80 (12*12) | Tray           |

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