

# LT86102SXE --- Product Brief

## HDMI/DVI 1:2 Splitter

### 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
- 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 ClearedEdge technology, it supports up to 3.4Gbps data rate per channel, compliant with the HDMI 1.4/DVI 1.0 specifications.

## Application

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

## Function BLOCK Diagram

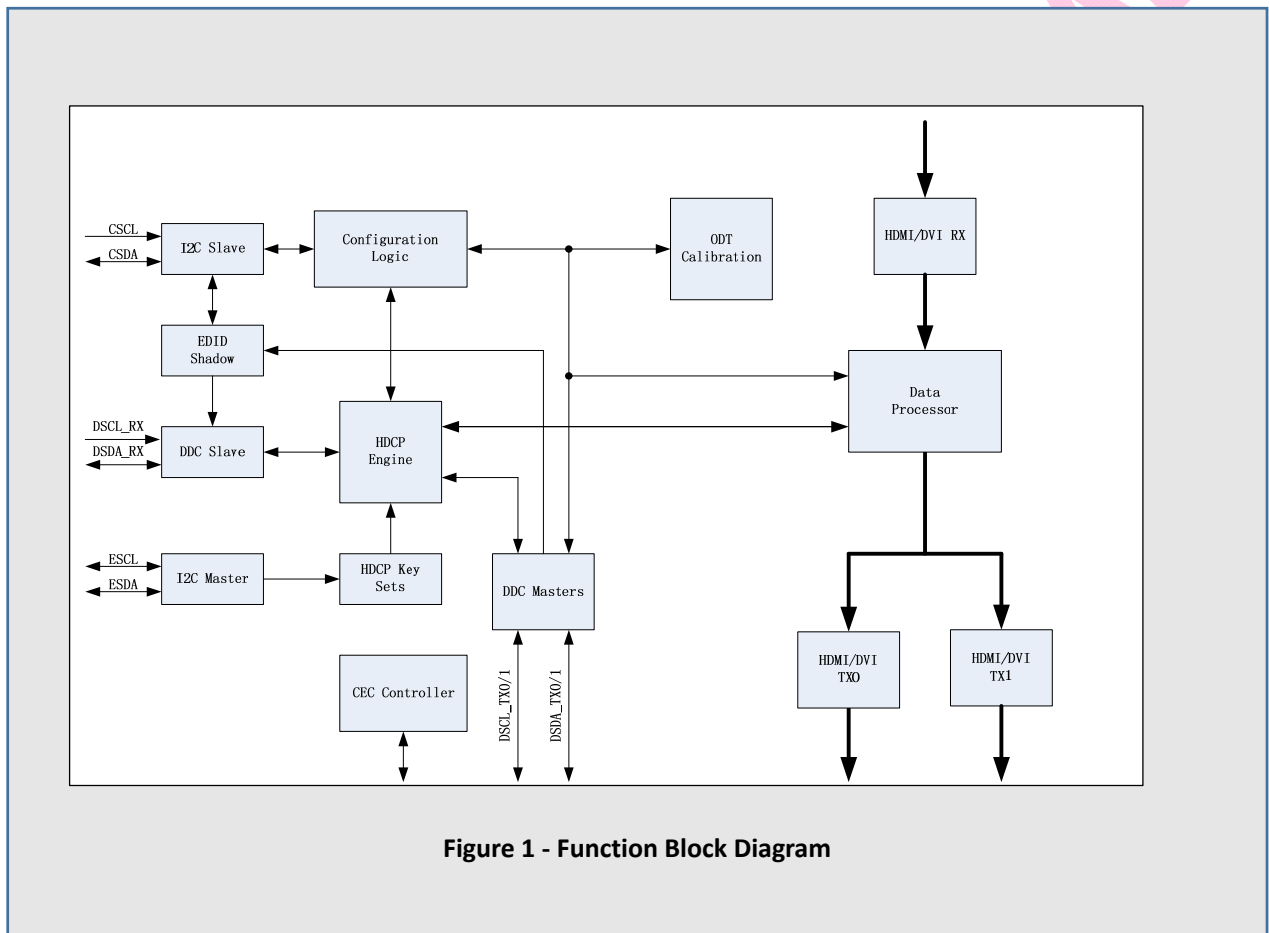


Figure 1 - Function Block Diagram

## Ordering Information

Part Number	Operating Temperature Range	Package	Packing Method
LT86102SXE	-40° C to +85° C	LQFP80	Tape and Reel

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Technical support: [support@lontium.com](mailto:support@lontium.com)

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