

LT86104SXE --- Product Brief

HDMI 1.4/2.0 & DVI 1.0 1:4 Splitter

Features

- z HDMI 1.4/2.0 & DVI 1.0 specifications compliant
- z Support 3D video formats and 4Kx2K extended resolution formats up to 3.4Gbps data rate and 4Kx2K @60Hz YCbCr 4:2:0 format
- z Adaptive equalization and de-emphasis to compensate long cable losses
- z ODTs and calibration
- z Integrated HDCP repeater engine compliant with HDCP 1.4 specification
- z Fully hardware-controlled or optional software-controlled HDCP operations
- z Pre-programmed HDCP key sets or external EEPROM stored key sets
- z Integrated CEC controller
- z Integrated EDID shadow RAM and embedded EDID

- z 5V-tolerant DDC interfaces
- z 1 HDMI/DVI input port, up to 4 HDMI/DVI output ports
- z Unlimited cascading for more output ports or signal repeating
- z 128-pin LQFP package

Description

The LT86104SXE is Lontium's 4rd generation 4-port HDMI/DVI splitter which can repeat one HDMI/DVI signal to 4 HDMI/DVI signal sets, support up to 4 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

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

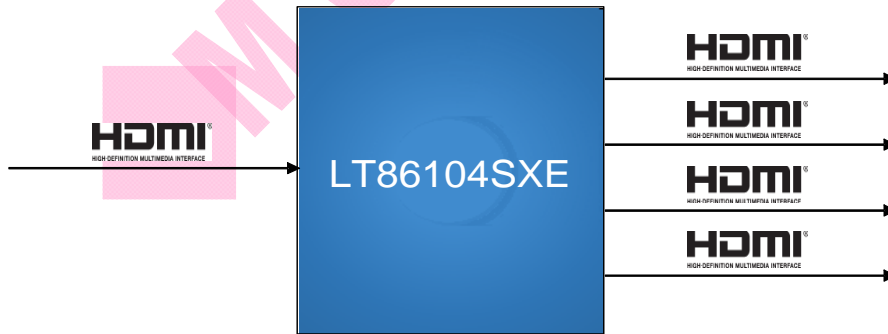


Figure 1. Application Diagram

Ordering Information

Part Number	Operating Temperature Range	Package	Packing Method
LT86104SXE-7	-40°C to 105°C	128-pin LQFP	7 U D \

