

LT8612X-M --- Product Brief

HDMI-HDMI/VGA Converter

Features

- Supports both HDMI output, VGA output or YPbPr output simultaneously, enables multi-standard outputs
- HDMI receiver with equalizer, supports 300MHz
- HDMI receiver core compliant with HDMI1.4 specification.
- Supports 3D format
- HDMI transmitter core compliant with HDMI1.4 specification.
- Triple 10-bit DACs, support separated SYNC mode
- HDCP engine compliant with HDCP1.4 specification
- Supports CEC while using an external MCU
- Integrated MCU for control

Description

The LT8612X-M is an HDMI to HDMI and VGA/YPbPr converter, converts High Definition Multimedia Interface (HDMI) data stream to standard High Definition Multimedia Interface (HDMI) signal and analog RGB/YUV signals.

Standard HDMI uses 19 lines to implement data transmission. The LT8612X-M uses the latest ClearEdge™ Technology to implement the conversion of HDMI source devices, to HDMI devices and VGA devices. Also it can output analog RGB signal with or without separate sync signals, or YPbPr.

Applications

- Digital Signage
- PC, Laptop Mother Boards
- HDMI to VGA/YPbPr Dongle
- Car Entertainment System

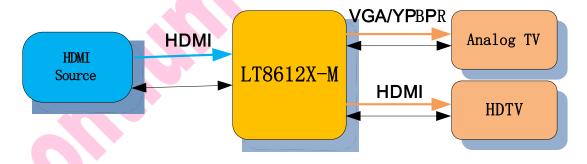


Figure 1. Application Diagram

Ordering Information

| Part Number | Operating Temperature Range | Package | Packing Method |
|-------------|--------------------------------|-----------------|----------------|
| LT8612X-M | -40° C to +85° C | 9mm x 9mm QFN76 | Tape and Reel |



LT8612X-M ADVANCE INFORMATION - CONFIDENTIAL AND PROPRIETARY

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