

LT8819 --- Product Brief

HDMI-BT656 Converter

Features

- HDMI receiver with equalizer, supports 300MHz HDMI clock
- HDMI receiver core compliant with HDMI1.4 specification.
- HDMI transmitter core compliant with HDMI1.4 specification.
- Triple 10-bit DACs, support separated SYNC mode and SOG mode.
- HDCP engine compliant with HDCP1.4 specification.
- Supports I2S-7.1-channel and SPDIF output alternatively or both.
- Supports CEC while using an external MCU.

Description

The LT8819 is a HDMI to BT656 converter, converts High Definition Multimedia Interface (HDMI) data stream BT656 signals. It also outputs 8-channel I2S and SPDIF signals which enable high quality 7.1 channel audio.

Standard HDMI uses 19 lines to implement data transmission. The LT8819 uses the latest ClearEdge™ Technology to implement the conversion of HDMI source devices, such as mobile phone, adapter, etc, to BT656 devices.

Applications

- Car Entertainment
- Mobile Receiver Devices
- Etc.

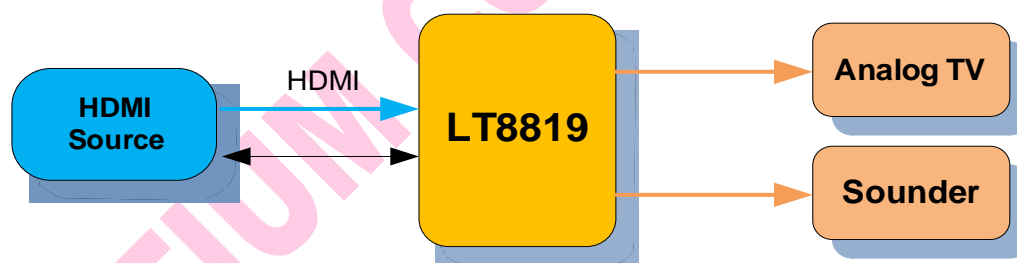


Figure 1. Application Diagram

Ordering Information

Part Number	Operating Temperature Range	Package	Packing Method
LT8819	-40° C to +85° C	QFN64L	Tape and Reel

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