

LVDS Transmitter

Compliant with VESA, JEIDA

1/2 configurable port with 1 clock lane and 4 data lanes per each port

Configurable sync code detected
data rate up to 1.2Gbps

MIPI DSI/CSI Transmitter

Compliant with D-PHY1.2 & DSI 1.3 & CSI-2

1/2 configurable port

1 clock lane and 1/2/4 configurable data lanes per each port; 2Gbps per data lane

TTL Transmitter

15-lane SDR/DDR Sampling Support

Max Pixel Clock 37.125MHz

Automotive Display Port Receiver

1/2 configurable link

Bidirectional transmission with maximum 5.4Gbps

forward data channel and maximum 3.7Mbps

backward data channel; link0, and link1 is only for

control channel

2. General Description

The LT934LMT deserializer is a part of Lontium's long distance video transmission family for Advanced Driver Assistance Systems(ADAS), designed to provide a solution for LVDS, MIPI, and co-axial cable. It can carry video, I2C data, interrupt and audio from the front camera to the back camera. It also provides a coax(POC) or STP cable. The chip defines a maximum 5.4Gbps forward data channel and back control channel, and supports power over each cable. Maximum 10m transmission distance for 5.4Gbps and 15m for 4.32Gbps.

3. Applications

Advanced Driver Assistance Systems(ADAS)

Front and Rear Image Sensor

Display System

LVDS/MIPI/TTL Extender



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