

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
- 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 control 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 coaxial cable. It can carry video, I2C data, and audio from the front camera to the back camera. It also provides a sync on back control channel with DC balance 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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