LT6911UXB --- Product Brief

HDMI2.0 to Quad-Port MIPI DSI/CSI with Audio

Features

HDMI2.0 Receiver

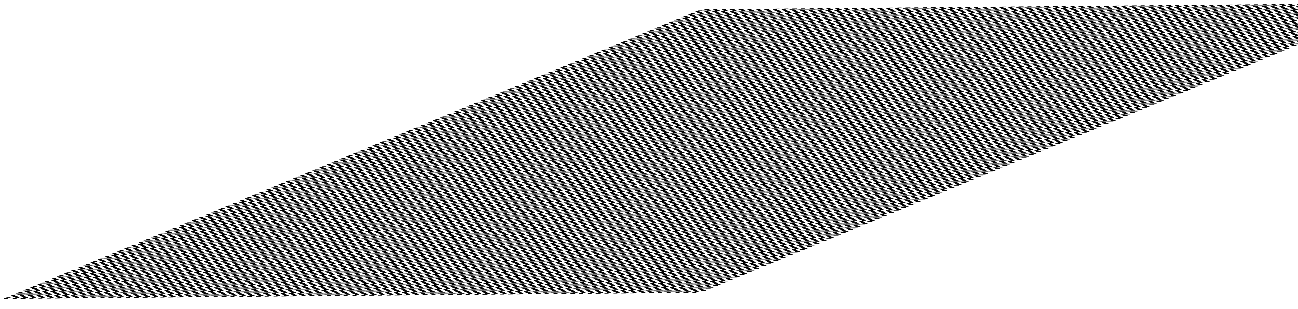
- Compliant with HDMI2.0b, HDMI1.4 and DVI1.0
- Compliant with HDCP2.2 and HDCP1.4
- Data rate up to 6Gbps
- Adaptive receiver equalization
- AC-couple capable
- Support channel swap(arbitrarily) and polarity inversion(independent)
- Support 4k@60Hz
- Supported 3D formats: frame packing(progressive), side-by-side(half/full), top-and-bottom, line alternative
- Supported video formats:
- CSC/DSC disabled: 24/30/36-bit RGB, 16/20/24-bit YCbCr4:2:2, 8-bit YCbCr4:2:0
- CSC disabled, DSC enabled: 24-bit RGB, 16/20/24-bit YCbCr4:2:2, 8-bit YCbCr4:2:0
- CSC enabled, DSC disabled: 24-bit RGB/YCbCr4:4:4, 16/20/24-bit YCbCr4:2:2
- CSC/DSC enabled: 24-bit RGB/YCbCr4:4:4, 16/20/24-bit YCbCr4:2:2
- HDR support
- Support TMDS descrambling for EMI/RFI reduction
- Support SCDC
- 5V tolerance DDC/HPD I/Os
- Integrated EDID shadow

Single/Dual/Quad-Port MIPI DSI/CSI Transmitter

- Compliant with DCS1.1, D-PHY1.2 & DSI1.3 & CSI-2 1.3
- Integrated DSC1.2 encoder
- 1/2/4 configurable ports
- 1 clock lane and 1/2/3/4 configurable data lanes per port
- 80Mbps~2Gbps per data lane
- Programmable transmitter swing and pre-emphasis
- Support lane swap(arbitrarily) and polarity inversion(independent)

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