

LT9211 --- Product Brief

MIPI/TTL/2-Port LVDS to MIPI/TTL/2-Port LVDS Converter

Features

MIPI Transmitter

Compliant with DCS1.02, D-PHY1.2, DSI1.2 and CSI-2 1.00

1 Clock Lane and 1~4 Configurable Data Lanes

Two Port Simultaneous Display Supported

Up to 1.8Gb/s per Data Lane

Resolution Up to 1920x1200 60Hz or any other Resolution whose Pixel Clk less than 200MHz

Data Lane and Polarity Swapping

Both Non-Burst and Burst Video Mode Supported

Support RGB666, Loosely RGB666, RGB888, RGB565, 16-bit YCbCr4:2:2, 24-bit YCbCr 4:2:2 Video Format

Dual-Port LVDS Transmitter

Compatible with VESA and JEIDA standard

1~2 Configurable Port

Two Port Simultaneous Display Supported

Resolution Up to 1920x1200 60Hz or any other Resolution whose Pixel Clk less than 200MHz

Support DE Mode

Data Port, Data Lane and Polarity Swapping

Programmable Pre-emphasis

Support output SSC(30KHz $\pm$ 5%)

TTL Output

Support 24-bit RGB and BT656/BT1120

Both DDR and SDR Sampling supported

Support both 1.8V and 3.3V Voltage Output

Resolution Up to 1920x1200 60Hz or any other Resolution whose Pixel Clk less than 200MHz

MIPI Receiver

Compliant with DCS1.02, D-PHY1.2, DSI1.2 and CSI-2 1.00

1 Clock Lane and 1~4 Configurable Data Lanes

Two Port Input switchable

Up to 1.8Gb/s per Data Lane

Resolution Up to 1920x1200 60Hz or any other

Resolution whose Pixel Clk less than 200MHz

Data Lane and Polarity Swapping

Both Non-Burst and Burst Video Mode Supported

Support RGB666, Loosely RGB666, RGB888, RGB565,

16-bit YCbCr4:2:2, 24-bit YCbCr 4:2:2 Video Format

Dual-Port LVDS Receiver

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LONTIUM CONFIDEN

