

LT7211UX --- Product Brief

Type-C/DP to Quad-port LVDS with Audio

Features

USB Type-C

- Compliant with VESA DisplayPort Alt Mode on USB Type-C standard V1.0
- Compliant with USB Power Delivery specification R3.0, V1.0
- Compliant with USB Type-C Cable and Connector specification R1.3
- Built-in dual CC controllers for charger and normal communication
- 3 data roles supported: DFP, UFP and DRP
- 2 power roles supported: source and sink

DP1.4 Receiver

- Compliant with the DP1.4 specification with data rates up to 8.1Gbps per channel
- Support HDCP 1.3/2.2/2.3
- Support HDR
- Support FEC
- Support 8k@30Hz, 8k@60Hz with DSC

Single/Dual/Quad-Port LVDS Transmitter

- Compatible with VESA and JEIDA standard
- 1/2/4 configurable ports
- 1 clock lane and 3/4/5 configurable data lanes per port
- 1.2Gbps per data lane
- Programmable transmitter swing
- Support lane swap and polarity inversion
- Support RGB/YUV 6/8/10-bit Video Format
- 3D support: direct 3D output, 2-way 2D L/R output

Miscellaneous

- 3.3V/1.1V Supply Power
- VESA DSC v1.2a (v1.1 compatible)
- Zoom scaling up and down
- CSC: RGB <-> YUV444 <-> YUV422 <-> YUV420
- Support SPDIF and 8-channel IIS audio output
- Support 100KHz and 400KHz I2C slave
- Power from phone or adapter mode selection
- Integrated Microprocessor
- Temperature Range: -40°C ~ +85°C
- ESD 4kV HBM

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