

LT8668SX-D --- Product Brief

High Definition Display Controller

1. Features

‘ USB Type-C

- § Compliant with VESA DisplayPort alt mode on USB Type-C standard 1.0
- » Compliant with USB power delivery specification 3.0
- » Compliant with USB Type-C cable and connector specification 1.3
- » Built-in dual CC controllers for charger and normal communication
- » Data roles supported: DFP, UFP and DRP
- » Support HDCP 1.4/2.2/2.3
- » Support HDCP repeater
- » Support 4K@60Hz
- » Support HDR10
- » Support CEC

version 1.4

- » Support DisplayPort 1/2/4 lanes
- » Support HDCP 1.3/2.2/2.3
- » Support HDCP repeater
- » Support 4K@60Hz
- » Support HDR10
- » Support ASSR for eDP

fl HDMI2.0 Transmitter

- § Compliant with HDMI2.0b, HDMI1.4 and DVI1.0
- » Data rate up to 6Gbps
- » Support HDCP 1.4/2.2/2.3
- » Support HDCP repeater
- » Support 4K@60Hz
- » Support HDR10
- » Support CEC

fl Four-Port LVDS Transmitter

- § Compatible with VESA and JEIDA standard
- » Support 1/2/4 configurable ports
- » 1 Clock lane and 3/4/5 configurable data lanes per port
- » Data rate up to 1.2Gbps per data lane
- » Support 4K@60Hz
- » Programmable transmitter swing
- » Support SSC

fl Four-Port MIPI® DSI/CSI Transmitter

- § Compliant with D-PHY1.2 & DSI 1.3 & CSI-2 1.3, 1 clock lane, and 1/2/3/4 configurable data lanes, and 8

fl DP1.2a Transmitter

- § Compliant with DisplayPort specification 1.2a for 1.62Gbps, 2.7Gbps, 5.4Gbps
- » Compliant Embedded DisplayPort specification

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