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� ƒ Support DDC and CEC
� ƒ Support Hot-Plug Detect
� ƒ Support Status and Control Data Channel (SCDC)
� ƒ Support Data Lane Swap and Polarity Swap
� ƒ Build-in Pattern Generation

� z DP1.2 Transmitter

� ƒ Compliant to VESA DP1.2 Standard
� ƒ Support Four Lanes with 1.62Gbps (RBR), 2.7G
(HBR) or 5.4Gbps (HBR2) Data Rate
� ƒ Support Resolution up to 4Kx2K@60Hz
� ƒ Data Lane and Polarity Swapping
� ƒ Support HDCP1.3 Encryption
� ƒ Support 8/10/12-bit Deep Color
� ƒ Support Hot-Plug Detect
� ƒ Optional SSC 0.5% Down-Spreading Output
� ƒ Configurable and Power-on-Calibrated Output Sw
for Optimized EMI
� ƒ Internal Rterm Calibration with Less than 5% Error
� ƒ Support Backlight Control & MCCS over AUX for eD
� ƒ Support ASSR for eDP
� ƒ Build-in Pattern Generation

� z Full-Featured USB Type-C

� ƒ Compatible with USB3.1 Gen1, USB Type-C R1.2,
Alt Mode V1.0 and USB PD R3.0
� ƒ 2 Data Roles Supported: DFP and UFP
� ƒ 3 Power Roles Supported: SRC, SNK and DRP
� ƒ USB PD-PHY (Tx/Rx) and BMC Encoding/Decoding
� ƒ USB PD Protocol Control by Software
� ƒ Bi-directional Active Switch for USB3.1 Gen1
Channel
� ƒ USB Full-Featured, Orientation and Role Detection
� ƒ 3-level Current Ability Advertise (Host Mode)
Detection (Device Mode) for Type-C Power: U Default, 1.5A@5V, 3A@5V

Miscellaneous

� ƒ Support OSD display with 8K Programmable Dot Matrix
and Attribute Table
� ƒ 1.2V/1.8V/3.3V Supply Power
� ƒ External 27MHz Crystal Reference Clock
� ƒ Temperature Range: -40°C to +85°C
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