DP to Type-C Bi-direction Converter

DSC-1X1-P FEATURES GENERAL DESCRIPTION

Compliant with Type-C Specification Revision 1.2. Supports VESA Display Port Alt. Mode 1.0a / Bi-directional conversion between the HPD signal and Support DisplayPort   AUX Channel DC voltage level detection. Configurable USB Type-C Ports. Device can be designed with Type-C plug or Type-C receptacle connector. CC logic and Power Delivery protocol. support one sink port and one charging port integrated / USB Type-C SBU and Display Port AUX Channel switch integrated. Support Type-C plug orientation detection. Integrated USB Billboard Class, Version 1.21 for supporting USB Type-C Alt. Mode. Support VCONN power.

APPLICATION

USB Type-C to DisplayPort adapter / DisplayPort to USB Type-C adapter Type-C docking USB Type-C to Multi-video adapter controller. The device is targeted for system designers implementing USB Type-C devices with DisplayPort capabilities and USB Power Delivery 2.0 support. The DSC-1X1-P integrates the USB Type-C plug orientation and attached detection mechanism on the CC (Channel Communication) pins. devices operating in various power management roles including Consumer, Provider and Power Role Swap. The DisplayPort Alt. mode is another alternative interface supported in the DSC-1X1-P. A built-in Billboard Class can be automatically exposed to the USB 2.0 D+/- bus if a Type-C PD Source (DFP) does not equip USB Type-C Alt. Mode features that support DisplayPort signal transmission. The system with DSC-1X1-P s DisplayPort Alt. mode enabled can be programmed to support Type-C to DisplayPort display or DisplayPort to a Type -C DP Alt. mode monitor. The DSC-1X1-P's bi-directional signal converter for the DisplayPort HPD (hot plug detection) and VDM (Vendor Defined Message) is capable of translating the HPD to the appropriated VDM to Type-C DP device and vice versa. In addition to hardware support of PHY and Link layers,

Power Free. With 5V Power Jack (USB Power Cable & 5V AC Adapter option),

Temperature Range: -40°C to +85°C,

Dimension :46 * 48 *15 (mm) +15cm Cable Weight : 45g~60g include cable