Type-C to MDP Bi-direction Converter

C2M-1X1-P FEATURES GENERAL DESCRIPTION

Compliant with Type-C Specification Revision 1.2

Supports VESA DisplayPort Alt. Mode 1.0a / Bi-directional conversion between the HPD signal and Support Mini 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 Mini 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 Mini Display Port adapter / Mini 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 Mini DisplayPort capabilities and USB Power Delivery 2.0 support. The C2M-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 C2M-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 Mini DisplayPort signal transmission. The system with C2M-1X1-P s Mini 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 C2M-1X1-P's bi-directional signal converter for the Mini DisplayPort HPD (hot plug detection) and VDM (Vendor   Defined Message) is capable of translating the HPD to the appropriated VDM to Type-C MDP 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