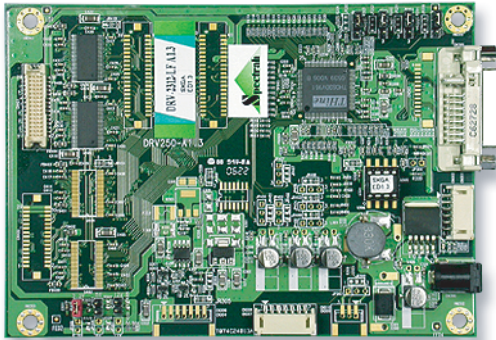




Digital DVI Receiver Board

DRV- 2302 / 2312 / 2324



Overview

DRV-2312 series is a digital to digital converter board designed for the industrial display systems or customized display projects. DRV-2312 series provides excellent display quality from VGA up to WUXGA (1920 x 1080), ease of use, and cost efficient solutions for LCD panel users. The onboard dual channels or four channels of LVDS transmitters are able to drive single or dual LVDS panels. The DRV-2312 series adheres to VESA DVI 1.x (Digital Visual Interface) specifications and supports a wide range of LCD panels including AUO, Chi-Mei, IDTech, Sharp, Fujitsu, Hannstar, CPT, NEC, Toshiba, Samsung, LG, Optrex, and Mitsubishi.

Specifications

Thine THC63DV161 or Silicon Image Sil161 Receiver Chip

- Supports from VGA up to WUXGA resolutions of TFT panels
- Supports dot clock rate up to 160 MHz
- Supports up to 24-bit true color panels at 1 or 2 pixels/clock mode
- Only 3 data channels and one clock channel
- Backwards compatible interface with the Sil101/100 and 141/140

30-Pin LVDS Connector

- DRV-2312 (One LVDS connector)
- DRV-2324 (Two LVDS connectors)

Two 40-Pin TTL Connector

- DRV-2302 (Two TTL connectors)

One DVI-29-Pin Connector

- PanelLink digital input interface

Supports +3.3V, +5V, +12V DC for Various LCD Panels

Supports +12V, +5V, and +3.3V DC for Backlight Inverters

LCD Backlight On/Off and Brightness Control

Onboard EDID ROM

- VESA DDC 2B 1.X compatible

Panel Supporting List

10.4" LCD Panel

- CMO_G104V1-T01
- LG_LB104V03
- NEC_NL6448BC33-59
- Optrex_T51513D104
- Sharp_LQ104V1DG51
- Toshiba_LTD104C11S

12.1" LCD Panel

- LG_LB121S1
- NEC_NL8060BC31-17
- Optrex_T51512D12
- Sharp_LQ121S1DG41

15" LCD Panel

- AU_G150XG02
- CMO_G150X1-L01
- NEC_NL10276BC30-15
- Sharp_LQ150X1LW71

17" / 18" / 19" LCD Panel

- AU_M170EG01
- AU_M190EG01
- CMO_M170E5
- Samsung_LTM190E4
- LG_LM190E03

20" / 21.3" / 24" / 26" LCD Panel

- AU_M201UN02
- AU_T260XW02
- Samsung_LTM213U4-L01
- NEC_NL160120AC27-05
- CMO_M240J1-L02

Ordering Information

- DRV-2302 (Two TTL connectors)
- DRV-2312 (DVI, Dual LVDS chips, one LVDS connector)
- DRV-2324 (DVI, Four LVDS chips, two LVDS connectors)

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