



DVI-2560

The Digital View DVI-2560 interface controller for ultra high resolution WQXGA LCD panels.

The DVI-2560 is a purpose built high-performance dual-channel DVI interface controller capable of driving 2560x1600 WQXGA LCD panels from Samsung and LG. Operating from a single 24 volt power supply, the controller derives all necessary voltages for the controller, panel and inverter operation.

Panel Connectivity

TFT: •2560x1600 WQXG Samsung LTB300M1-P01
 Samsung LTM300M1-P01
 LG LM300W01-A3

Input: Dual Channel DVI-D

Features

Interface: TMDS panel interface
Function Controls: External buttons,
Functions: Inverter brightness, power on/off
Indicators: LED 1 - input signal present,
 LED 2 - backlight status
Dimensions: 107mm x 92mm (4.2" x 3.6")
Form Factor: DV standard & mounting holes
Inverter Support: DPMS Enable
Inverter Voltage: 24V DC
Panel Signal: TMDS
Panel Voltage: 18V DC (derived on-board)
Power Requirements: 24V DC, 1.5W (controller only)
Status Indicator: Dual Color LED support.

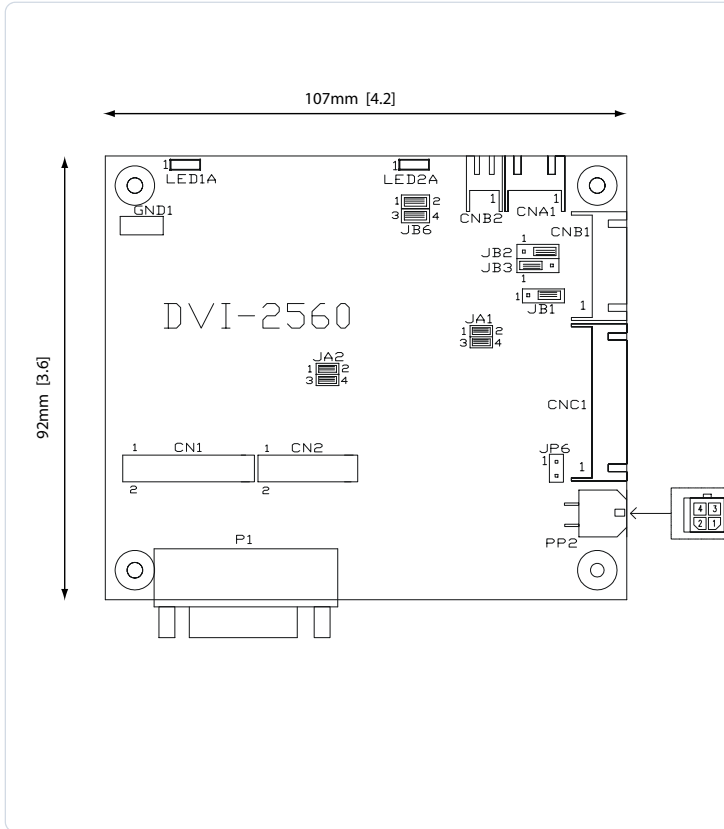
Reliability

Calculated Mean Time Between Failures -
 In excess of 100,000 hours. **Warranty - 3 years.**

Options

Custom layouts & connectors. Alternative panel support.

Custom Engineering Services - custom input timing, panel timing, splash screen, OSD Menu, conformal coatings, layouts etc.



Connector Definitions

- CN1 TMD5 panel signal
- CN2 Panel power and control signals
- CNA1 Auxiliary power output
- CNB1 Backlight inverter interface
- CNB2 Backlight inverter interface
- CNC1 Function controls
- LED1A Source detected LED
- LED1B Backlight status LED
- P1 DVI-D signal input
- PP2 Power input

Accessories

- 416940020-3 Audio Amplifier
- 416040010-3 Inverter Interface board
- Kit 60109 OSD Button Board
- Kit 60120 OSD Membrane Kit
- Kit 60124 OSD Membrane Kit
- 5590001-00 IR remote control

*See accessories page on website for details.

Available Documentation

- User Manual

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