



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 WQXGA 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

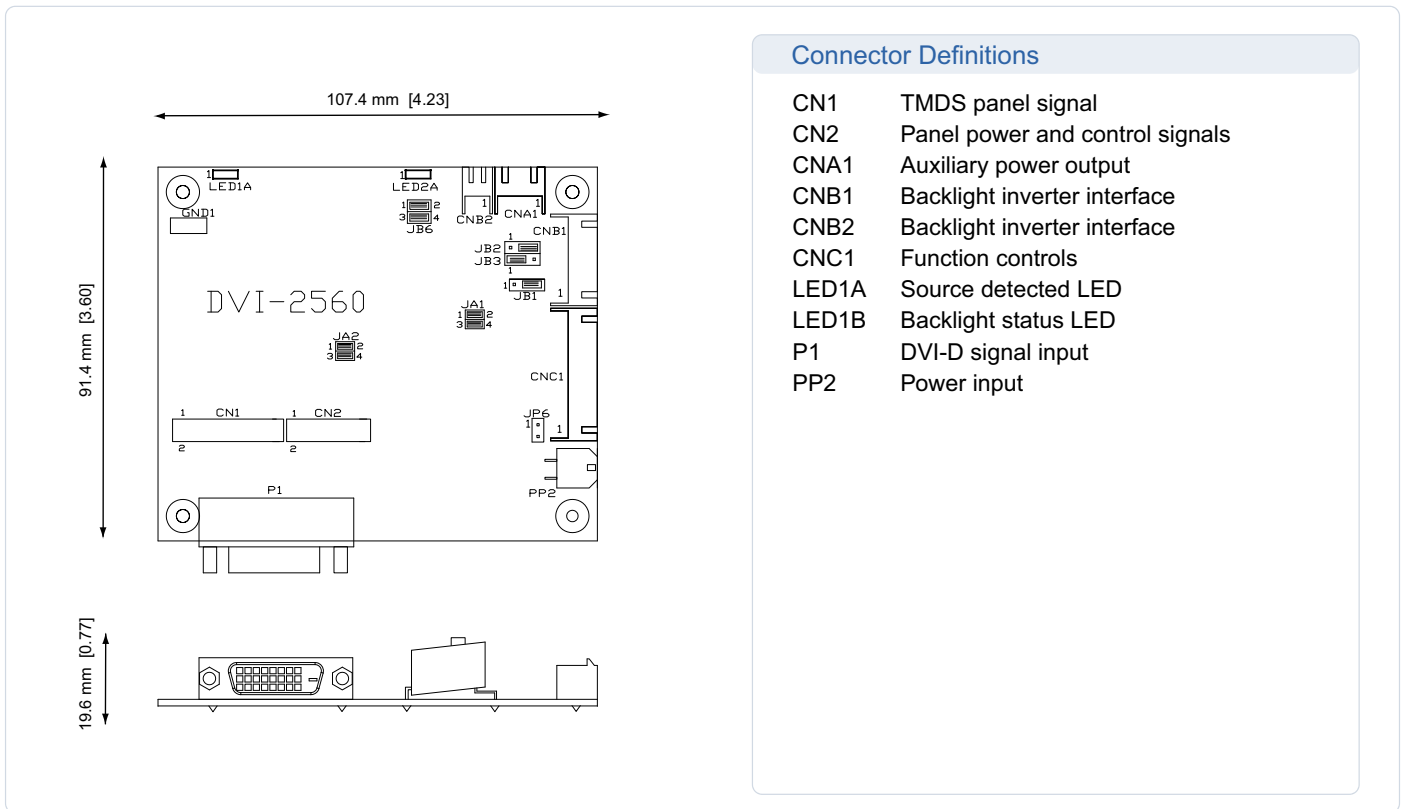
Calculated Mean Time Between Failures - In excess of 100,000 hours. Warranty - 3 years

Options

Custom layouts & connectors. Alternative panel support.

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

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Connector Definitions

CN1	TMDS 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 60110-3	OSD Button Board
Kit 60121-3	OSD Membrane Kit
Kit 60125-3	OSD Membrane Kit

*See accessories page on website for details.

Available Documentation

Instruction Manual

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