DVI digital visual interface

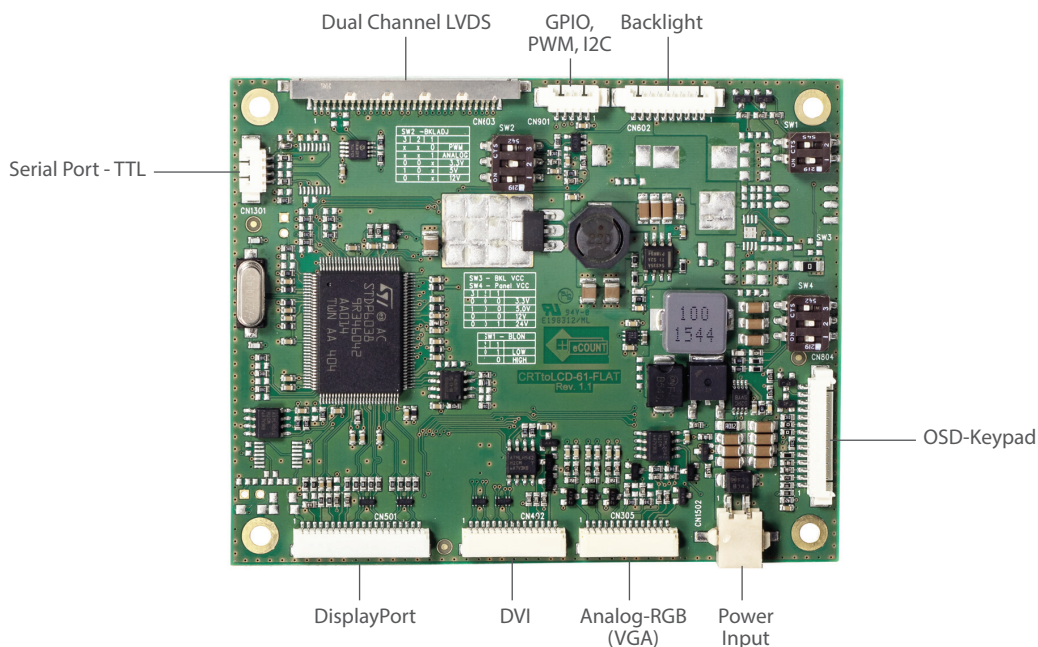DisplayPort

Longterm Availability
Form, Fit, Function

Low-Profile Full-HD-Flatpanel-Controller

CRT*to*LCD-61-LP

- DVI, Analog-RGB and DisplayPort (DP) inputs up to WUXGA
- Display resolution up to WUXGA (1920x1200)
- Highest picture quality due to improved scaling algorithms
- Powerful software tools including Panel-Editor and Serial-API
- Scripting support
- Super low-profile (8mm)

Low-Profile Full-HD-Flatpanel-Controller
CRT*to*LCD-61-LP

Dual Channel LVDS

GPIO, PWM, I2C

Backlight

Serial Port - TTL

OSD-Keypad

DisplayPort

DVI

Analog-RGB (VGA)

Power Input

Description

The CRTtoLCD-61-LP is a highly integrated Full-HD-Flatpanel-Controller that allows connection of standard Analog RGB, DVI and DisplayPort sources to TFT-LCD flatpanels.

It includes all the necessary functionality to design a full featured LCD monitor.

From a single +12V DC power supply, the CRTtoLCD-61-LP generates all required supply voltages and power sequencing. LED or CCFL backlight dimming is supported and can be controlled by PWM or absolute voltage level.

Typical Verticals

Point of Sales (POS):	Check-in terminals
Point of Information (POI):	Public displays
Industrial Automation & Medical:	Panel-PCs, Industrial monitors
Test & Measurement:	Smart displays
Transportation:	Rugged displays
Gaming:	Casino slot machines, Lottery systems, Open frame monitors

Low-Profile Full-HD-Flatpanel-Controller
CRT*to*LCD-61-LP

Technical Information

DVI Input	• Highest quality up to WUXGA@60Hz (with full zoom & shrink capabilities)
Analog Input	• Analog-RGB up to WUXGA@60Hz, All color depths up to 24 bits
DisplayPort Input	• Integrated DisplayPort 1.1 compliant receiver up to WUXGA
High Quality Advanced Scaling	• Horizontal & Vertical Zoom
Specials	• Separate onboard power supplies for flatpanel (up to 3A) High power connector for backlight (up to 3.5A) • Ambient Light Sensor support to control backlight brightness via ADC input • PWM or voltage controlled backlight dimming support • GPIO's also configurable as I^2C or PWM output • Scripting support • DDC2Bi / VCP (also accessible via script) • Serial-API for full access to various functions and features • Serial-OSD for keypad-less OSD control
Integrated On-Screen-Display	• On Screen Display (OSD) for control of all configured features
Display-Interface	• JILI30 (up to 2x24Bit dual channel LVDS) Output up to WUXGA@60Hz (1920x1200)
Form Factor	• 100.00 mm x 80.00 mm x 8.0 mm (L/W/H) • No components on PCB bottom side
Optional	• Inverter and display cable-kits for various flatpanels

Ordering Information

Article	Part.-No.	Description
CRTtoLCD-61-LP	21088E	Low Profile Full-HD-Flatpanel-Controller with Analog-RGB(VGA), DVI and DisplayPort inputs and Dual channel LVDS output, Height: 8 mm
OSD-Panel-Set-LP	22011E	5-button keypad with dual color LED(red/green) IR-Receiver, Ambient Light Sensor (ALS) incl. cable
KAB-COMtoTTL	61021E	Serial-RS232 to TTL converter cable for CRTtoLCD-51-pro/-61-pro/-71-LP/-61-LP
ADAPT-61-LP	61030E	Input header adapter with Analog-RGB (VGA), DVI, DP inputs for CRTtoLCD-61-LP (Part-No.: 21088E)
KAB-ADAPT-61-LP	61030L	Cableset for ADAPT-61-LP (P/N : 22012E)
KAB-ADAPT-P-LP	61030P	Power input cable for KAB-ADAPT-X1-LP (P/N : 22012E & 22014E)

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