CRT*to*LCD-6

Flatpanel Controller

Longterm
Form, Fit, Function
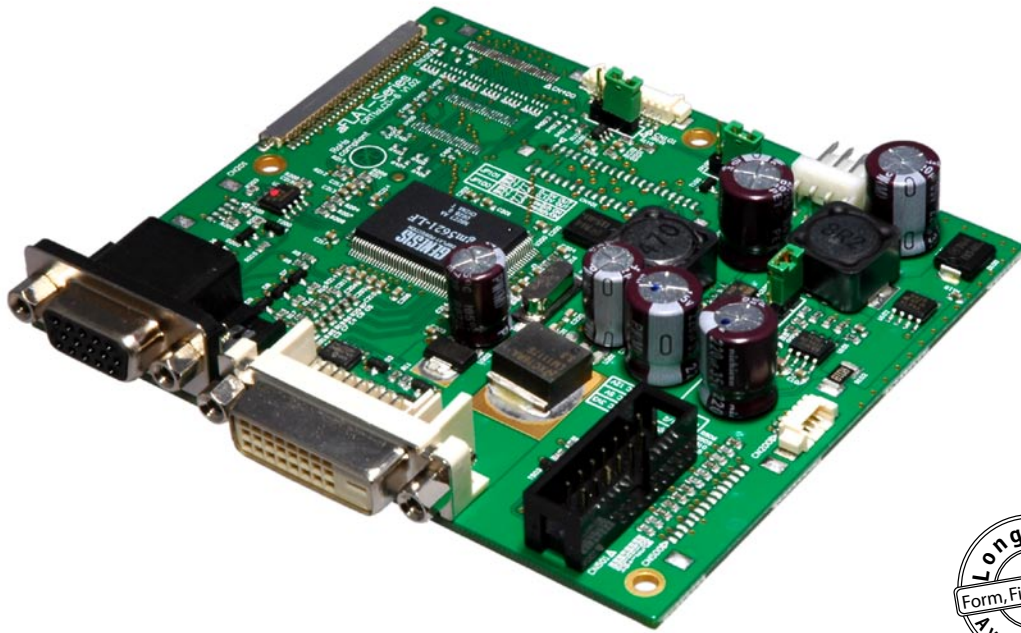Availability

➤ For easy Plug&Display connections of flatpanels to analog RGB- and DVI-Video sources
➤ TTL RGB (FLEX32) or LVDS (KAB-JILI30) output
➤ Highest picture quality by improved scaling algorythm
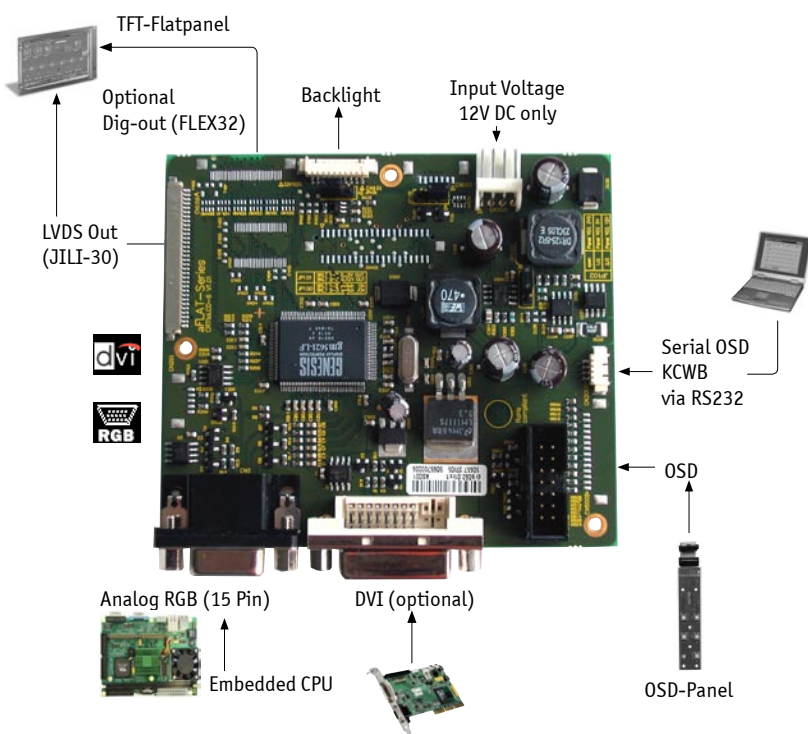➤ Flatpanel configuration via powerful software tools (KCWB)

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➤ Product Overview

The CRTtoLCD-6 is a highly integrated flatpanel controller that allows to connect standard analog RGB and DVI sources to digital TFT panels. It includes all the necessary functionality to design a full featured LCD monitor. From a single 12 V power supply, the CRTtoLCD-6 generates all the voltages required by a TFT panel and includes power sequencing features and backlight support.

Typical Applications:
Point of Sales (POS), Point of Information (POI), Gaming Machines etc., Industrial Environment with VGA (15-Pin) and DVI.

... We Drive Your Display!

TFT-Flatpanel

Optional
Dig-out (FLEX32)

Backlight

Input Voltage
12V DC only

LVDS Out
(JILI-30)

Serial OSD
KCWB
via RS232

OSD

Analog RGB (15 Pin)

DVI (optional)

Embedded CPU

OSD-Panel

➤ Technical Data

➤ **One product for different resolutions**

➤ **Analog-Input Features:**
  ➤ Analog RGB-Interface up to UXGA 60Hz,
  ➤ 15 Pin standard VGA connector,
  ➤ All color depths up to 24 bits/pixel

➤ **DVI-Input Features:**
  ➤ Standard DVI-D-Connector,
    Resolution up to UXGA 60 Hz

➤ **High-Quality Advanced Scaling:**
  ➤ Horizontal/vertical zoom

➤ **Integrated On-Screen Display:**
  ➤ 5 button user interface
  ➤ On Screen Display (OSD) control for all features

➤ **Specials:**
  ➤ Two independent powersupplies for Flatpanel
    (up to 3A) and controller
  ➤ High power connector for backlight
    (up to 4A) with LVDS version
  ➤ Capability of connecting light sensor
    to control backlight brightness

➤ **Display-Interface Features:**
  ➤ Backlight dimming support
  ➤ FLEX32 (18 Bit TTL)
  ➤ JILI30 (2x 24 Bit LVDS)
  ➤ Output up to SXGA @ 75 Hz

➤ **Dimensions:**
  ➤ Width 88,9 mm, length 101,6 mm
  ➤ Mechanically compatible to CRTtoLCD-1-LC, - TC

➤ **Cable-Kits for Flatpanels of all leading manufacturers are available**

➤ Ordering Information

Article	Part.-No.	Description
CRTtoLCD-6	21082	Flatpanel Controller, with analog RGB and DVI Input (for LVDS Flatpanels)
CRTtoLCD-6	21084	Flatpanel Controller, with analog RGB Input (for LVDS Flatpanels)
CRTtoLCD-6	21081	Flatpanel Controller, with analog RGB and DVI Input (for TTL Flatpanels)
CRTtoLCD-6	21083	Flatpanel Controller, with analog RGB Input (for TTL Flatpanels)
Accessories	22010	OSD-Panel-Set

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