➤ CRTtoLCD-1-TC/LC

Analog Flat-Panel-Controller with integrated Touch Controller (opt.)

Longterm
Form, Fit, Function
Availability
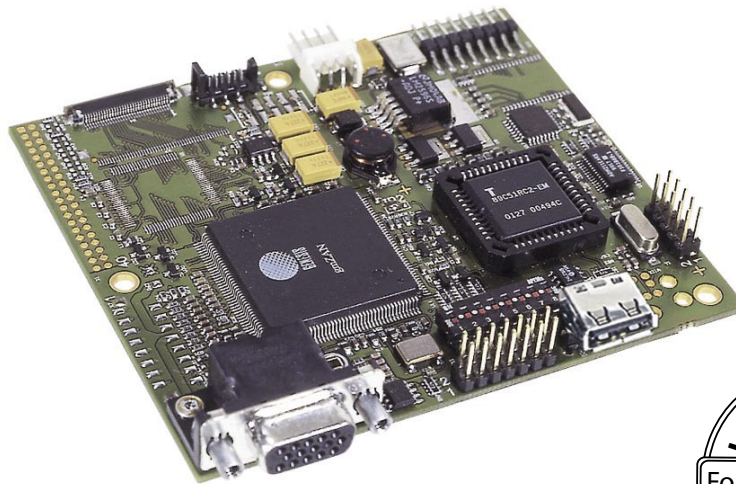
- ➤ for easy Plug & Display connections of flatpanels to analog RGB-Video-sources
- ➤ newest chip-technology by Genesis gmZAN2 with full scaling capabilities (VGA up to SXGA)
- ➤ flatpanel-configuration via Serial-OSD (Windows Application) or keypad
- ➤ touch controller (only TC-Model)
  - ➤ 4/8 wire resistive touch technology
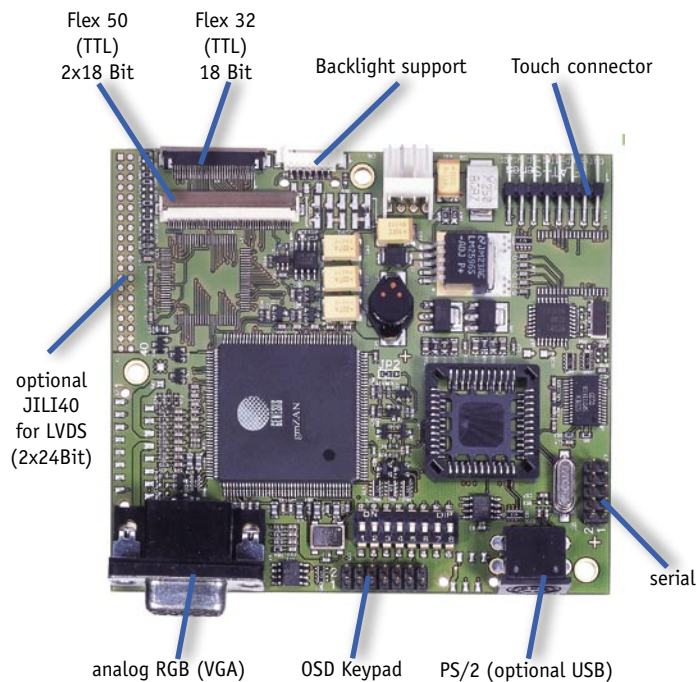 - ➤ USB or PS2 connector

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➤ Product Overview

The CRTtoLCD-1-TC/LC is a highly integrated TFT flat panel interface adapter that allows to connect analog, 15 pin RGB sources with TFT panels. From a single 12 V power supply, the CRTtoLCD-1-TC/LC generates all the voltages required by a TFT panel and includes power sequencing features. The highly flexible architecture of the CRTtoLCD-1-TC/LC panel interface allows it to adapt to virtually any TFT panel. By an integrated Touch Controller the board incorporates all needed functionality to support 4/8 wire resistive Touch Panels (only CRTtoLCD-1-TC).
Save the money for an external Touch Controller!
Typical Applications: Point of Sales (POS), Point of Information (POI), Gaming, Machines etc., Industrial Environment with VGA (15-Pin) and Touch Controller.

... We Drive Your Display!

Flex 50 (TTL) 2x18 Bit   Flex 32 (TTL) 18 Bit   Backlight support   Touch connector

optional JILI40 for LVDS (2x24Bit)

analog RGB (VGA)   OSD Keypad   PS/2 (optional USB)   serial

➤ Technical Data

➤ **Easy connection of TFTs to a standard analog RGB VGA-interface:**
  - ➤ Highest quality up to SXGA (with full scaling capabilities)
  - ➤ one product for different resolutions
  - ➤ Newest chip-technology by Genesis gmZAN2

➤ **Analog-Input Features:**
  - ➤ Analog RGB VGA up to SXGA 70Hz
  - ➤ 15 Pin standard VGA connector
  - ➤ All color depths up to 24-bits/pixel are supported

➤ **Touch Features (only CRTtoLCD-1-TC):**
  - ➤ supports resistive Touch Panels
  - ➤ 4/8 Wire, USB/PS2 Connectors

➤ **High-Quality Advanced Scaling:**
  - ➤ High quality

➤ **On-Screen Display:**
  - ➤ 5 button Keyboard
  - ➤ On Screen Display (OSD) control for all features
  - ➤ Serial OSD (Windows Application) via RS232

➤ **Display Interfaces:**
  - ➤ Digital RGB panel interface up to 18-Bit (FLEX32)
  - ➤ Digital RGB panel interface up to 2x18-Bit (FLEX50)
  - ➤ or LVDS panel interface (JILI40, one and double port up to 24 Bit)
  - ➤ backlight dimming support

➤ **Operating Features:**
  - ➤ Single voltage supply (+12V DC)
  - ➤ Dimension: width 95 mm, length 118,6 mm

Wide range of display cables is available under www.kontron-hhcom (see „Flatpanel Configurator")

Ordering Information	Part.-No.	Description
CRTtoLCD-1-TC	21071	analog Flatpanel-Controller with analog RGB (15 Pin) Input and Touch-Controller with PS2-Connector (for digital TFT-Panels)
CRTtoLCD-1-TC	21075	same as 21071 but with USB-Connector
CRTtoLCD-1-TC	21072	analog Flatpanel-Controller with analog RGB (15 Pin) Input and Touch-Controller with PS2-Connector (for LVDS®-TFT-Panels)
CRTtoLCD-1-TC	21076	same as 21072 but with USB-Connector
CRTtoLCD-1-LC	21073	analog Flatpanel-Controller with analog RGB input (TTL)
CRTtoLCD-1-LC	21074	analog Flatpanel-Controller with analog RGB input (LVDS)

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