

# RTD2023BTV VIDEO-LF A/D BOARD SPECIFICATION

## General Descriptions

The Realtek RTD2023B is a highly-integrated single chip IC controller solution for producing real time, top quality digital video and computer graphic images on LCD monitor/flat panel displays, such as XGA LCD monitors. LCD monitors and flat panel displays provide a sharp, flicker free display while saving space and energy for desktop PC applications. The RTD2023B provides an ideal interface between industry standard digital graphics controllers and a wide variety of LCD panel devices. Flat panel devices using the RTD2023B can support all incoming VESA modes and interface to any TFT LCD device, up to SXGA (1280x1024) resolution

## Features

- . ● Built-in YUV to RGB color space converter.
- . ● Compatibility with standard VESA mode and VGA,SVGA,XGA,SXGA TFT LCD panel
- . ● Smart engine for Phase and Image position calibration
- . ● Independent horizontal/vertical scaling and support VESA standard Timing
- . ● Embedded OSD of 12\*18 dot font per character
- . ● 4 channel 8-bits PWM output for high quality voice
- . ● Auto detection VGA separate and composite synchronizes signal
- . ● Support VGA analog 15-pin D-Sub standard input and option AV/S video Input
- . ● Support DUAL LVDS , SINGLE LVDS, TTL
- . ● PAL/NTSC TV support.
- . ● Max 2.6W ,4 Ohm x 2

## Dimension

- . ● 160 \* 81.9 mm