



Features



- **Compact Size, Ultra Slim Design**
- **Max. Resolution Up To UXGA (1600x1200)**
- **Low Power Consumption, Power Separated Design**
- **15-pin D-sub Analog RGB Signal Input**
- **Panel Power Output : DC 3.3V / 5V / 12V**
- **Power Input : DC 5V / 9~28V (w/ Power Board)**
- **On Screen Display (OSD) Control**
- **Multi Language Support**
- **DVI Signal Input (Optional)**
- **Stereo Audio Input / Output (Optional)**
- **Stand Alone Power Board or Power Inverter Board (Optional)**

Introduction

ADB-100 series AD boards are designed for OEM LCD monitor and packaged flat panel display solutions. It generates all the necessary control signals and the panel data to drive TFT-LCDs.

ADB-100 accepts standard DVI and analog RGB and SYNC signals from any VGA / SVGA / XGA / SXGA / UGA / WSXGA+ / UXGA video controller. With power separated design, it can offer maximum flexibility to generate power from external power supply (5V) or from stand alone power board ADB-108 (9V~28V).

The user interface includes Auto-Adjust, Phase, Brightness, Contrast, Horizontal and Vertical Position adjustment etc. An auto adjustment function provides automatic frequency, phase, H&V position, and white balance tuning. ADB-100 series are designed and manufactured for following application areas:

- Office Electronics
- Instrumentation and Measuring Equipment
- Machine Tools





- Home Appliances

Specifications

Model Name	ADB-100
Supported LCD Panel Size	10.4" ~22" TFT, Aspect 4:3/16:9
LCD Max. Resolution	UXGA (1600X1200)
Max Pixel Rate	170 MHz
Color	16.7M
Board Dimension (WxDxH)	100mmx50mmx15mm
Input Signal	D-Sub : Analog RGB 0.7 V _{p-p} /75Ω, TTL/SOG/Composite Sync
	DVI : Digital RGB (optional)
	Audio : Stereo 500mV _{rms} max (optional)
Scan Frequency For PC	H: 20~91 KHZ
	V: 55~75 Hz
Plug & Play	DDC1/2B
Audio Output (Speaker)	Stereo 2W _{max} /4Ω (optional)
Volume Control	OSD volume control (optional)
OSD Menu	Information, Contrast, Brightness, Focus, Clock, H-position , V-position , Color Temperature, Color R, Color G, Color B, OSD control, Auto, Language, Reset, Exit
Power Management	VESA DPMS
Power Input	5V/1A for board only, 5V/2A for board with audio
	5V/2.5A for board and LCD driver
	9~28V with ADB-800 power board (optional)
Power Consumption	Board only: 5Wmax / Standby < 0.5W
	With panel: 45Wmax / Standby < 1W
Operation Environment	Temperature : 0~50 °C
	Humidity : 10 ~ 90%
Button On Keypad	Power key, LED, Auto/Exit key, Menu/Enter key, Up/+key, Down/- key
Regulation Safety & EMI	Compliance

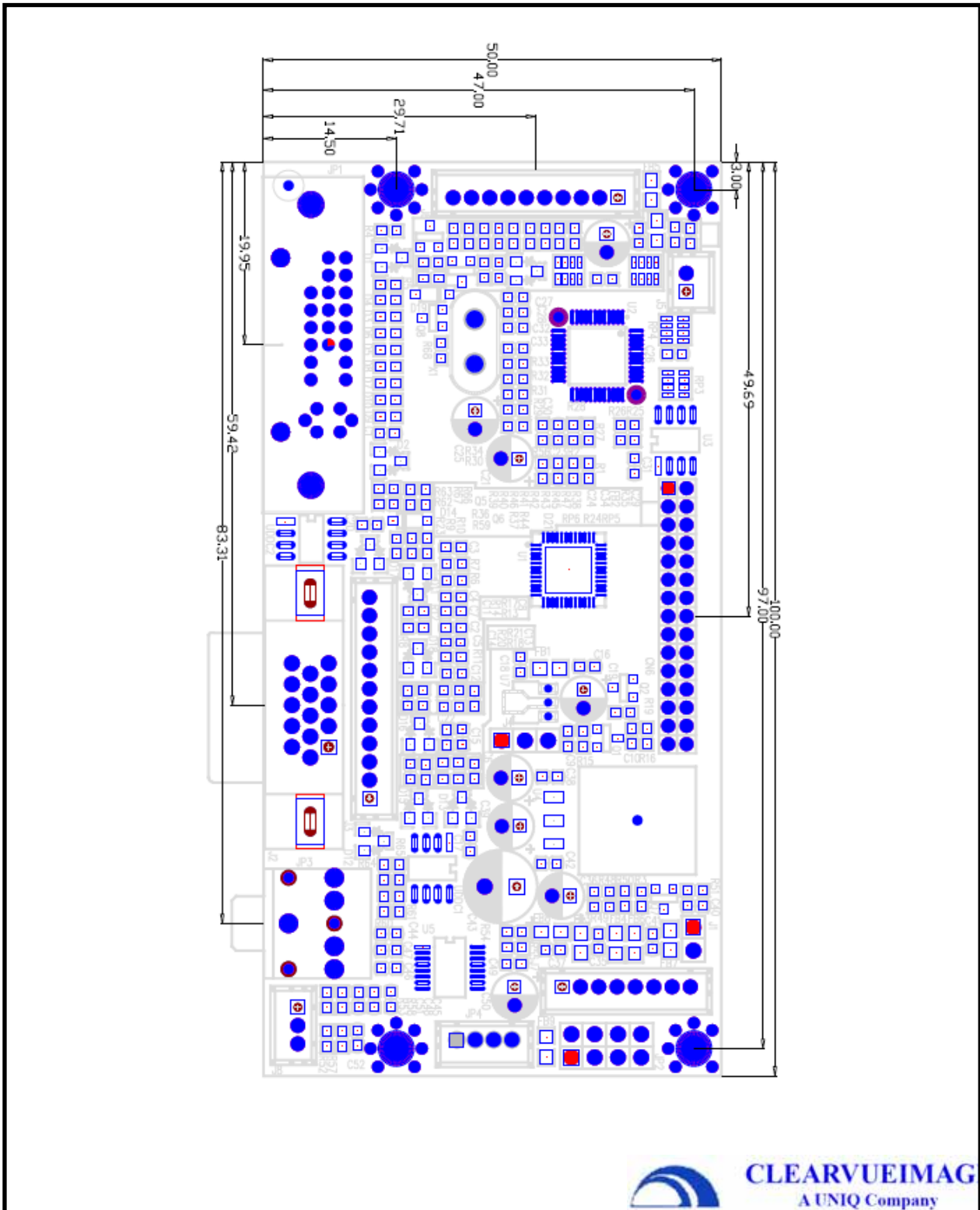




Warranty

1 Year

Dimensions





unit : mm

Ordering Information

ADB-100	TFT LCD Driving Board
ADB-101	TFT LCD Driving Board With DVI
ADB-102	TFT LCD Driving Board With Audio
ADB-103	TFT LCD Driving Board With DVI + Audio
ADB-108	Stand Alone DC/DC Power Board for ADB-100
PIB-1003A	15W Power Inverter Board for ADB-100 w/ Single Lamp Panel (17" & Below)
PIB-2003	22W Power Inverter Board for ADB-100 w/ 2-Lamp Panel (17" & Below)
PIB-4001	38W Power Inverter Board for ADB-100 w/ 4-Lamp Panel (17"~19" 4:3)
PIB-4005	45W Power Inverter Board for ADB-100 w/ 4-Lamp Panel (17"~19" 4:3, Wide)

