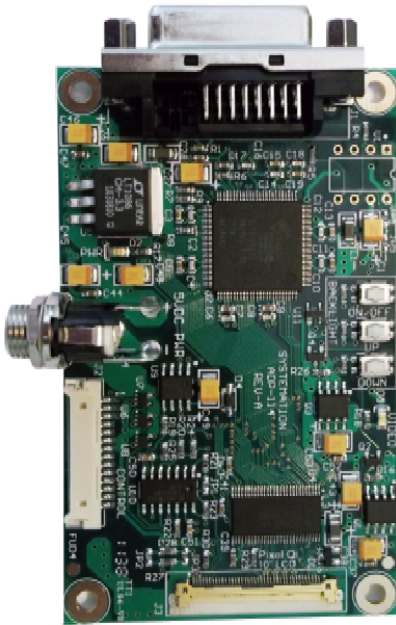


ADP - 114

An easy way to connect a DVI port to a LVDS 40 pin VESA Standard



An easy way to connect a DVI port to LVDS Display

- Plug and play ready
- No jumpers or switches to set
- This board is specifically designed to drive the LVDS Displays Adhering to the 40 pin VESA standard

The Systemation ADP-114 Adapter Board converts DVI video to LVDS video. The DDC channel on the DVI connector reports the EDID Information from the Display. The board has an LED backlight power supply and LED driver control signals.

Systemation Technology, Inc. has been in the video controller and custom computer board business for more than 10 years. Our video expertise includes the development of standard products, such as the S1220 board, as well as many custom boards for use with military, aviation, industrial and commercial products.

Quick turns are our specialty.

We can produce a custom prototype board in 8 weeks or less.

Questions or comments? Email us at support@systemation-inc.com or call (281) 332-7187

1321 3rd Street League City, Texas 77573 www.systemation-inc.com

SPECIFICATIONS

- 1 – Video Input: DVI-D Video on standard DVI 24 pin connector
- 2 – Video Output: LVDS Single Channel Output resolution is 1024x600 as defined by the EDID
The LCD is 6-Bits per color
- 3 – Output Conns: 1 - I-PEX 20455-040E-12
2 – Molex 52435-3071 FFC type (On back of board)
- 4- Cables: I-PEX Mitas Electronics P/N: ME2008C20004001P. (Length 10")
Flex cable use 30 pin FFC, Quadrangle Products
P/N: FFC-P0.5mm-30Cx152mm-AD(Length=6.0")
- 5 – Backlight Control: An LED driver is contained on the ADP-114 to drive LED backlight.
- 6 – Controls: Three pushbuttons are located on the board for:
Backlight On/Off, Brightness Up & Brightness Down
These controls are also available on the 14-pin expansion connector, J2.
- 7 – Input Power: 5 VDC on connector J4.
J4 – 2.5mm barrel type External 5 VDC can be applied on the expansion connector J2.
- 8 – Board Size: 3.5" X 2.0" X 0.5" Mounting holes on corners

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