Systemation Technology Inc.

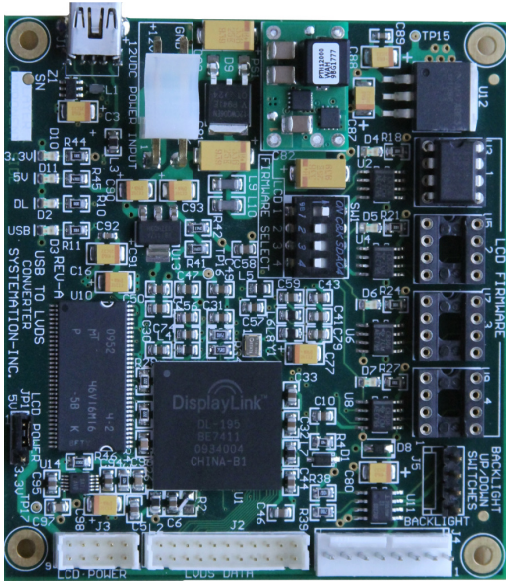*No Video is too Esoteric*
No LCD too Unique

A D P – 1 0 5

USB to LVDS Adapter Board

- An easy way to a second output though USB

- Supports LVDS LCDs up to 2048 x 1152 at 32 bit color

- 12V power input and analog backlight control

- Uses the same Cables as the S1220 Board

- Compatible with Windows 2000 thru Windows 7, Mac OS X 10.4/10.5 (Intel based)

The Systemation ADP-105 Adapter Board converts USB 2.0 data from a Windows based computer into LVDS data to directly drive an LCD. The board uses a driver from Displaylink that runs on all Windows versions from Windows 2000 to Windows 7 and Mac OS X 10.4 and beyond. This board supports either 1 or 2 channel LVDS outputs at resolutions up to 2048 x 1152 and 32bit color.

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

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S P E C I F I C A T I O N S

- **Data Input:** USB 2.0 using a 5-pin mini-USB connector

- **Power input:** 12VDC using a 0.156 2-pin connector

- **Backlight Control:** An EEPROM digital Pot is used to provide an analog voltage to control the LCD backlight brightness. A 4-pin switch closure input steps the backlight brightness up and down.

- **LCD Drive:** A 22-pin 2mm and a 10-pin 2mm connection provide a "Systemation" type LVDS interface to drive most LVDS type LCDs. A 3-pin jumper is used to select the power to the LCD from 3.3V or 5.0V

- **LCD support:** The board can drive an LCD with resolution up to 2048 X1152. Firmware on the board specifies the exact resolution of the LCD selected. Up to 4 EPROMs can be installed at a time.

   The firmware for each LCD type/resolution is created by Systemation. Demonstration ADP-105 board are populated with EPROMs for SVGA, XGA, SXGA and UXGA LCDs.

   Many other LCD resolutions is possible. Consult Systemation

- **Board Size:** 3.25" X 3.00" Mounting holes on corners

- **Cables:** LVDS Data Cables available for most LVDS type LCDs.

- A Windows driver for the ADP-105 board is available from Systemation or from Displaylink.

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