

SVX-1920

High Resolution LCD Controller Board

Key Features :

- > 10-Bit, 1920 x 1200
- > RS232, Ethernet Control
- > HDMI, DVI, VGA, Video
- > 120Hz & 3G-SDI (Option)

The SVX-1920 is a fully buffered multi-sync interface controller for providing analog and digital connection for a wide range of TFT LCD panels up to WUXGA resolution. It is a true 10-bit board that gives 10-bit color deep on a 10-bit panel.

The board featuring full screen image expansion, on screen PIP, image marker and supports an option 3G HD-SDI converter board (HD-3000) through HDMI port for professional and broadcast video applications.

Panel Connectivity

1920 x 1200	1366 x 768	800 x 600
1920 x 1080	1280 x 1024	800 x 480
1680 x 1050	1280 x 800	640 x 480
1600 x 1200	1280 x 768	
1440 x 900	1024 x 768	

Input

Analog RGB	60Hz at WUXGA, UXGA 75Hz at SXGA, WXGA, XGA, SVGA, VGA With auto detect of Digital Separate Sync, Sync-On-Green & Composite Sync. Auto detects VGAWUXGA, interlaced & non-interlaced
DVI-D / HDMI	60Hz at WUXGA 75Hz at SXGA, WXGA, XGA, SVGA, VGA
Video	NTSC /PAL/SECAM (Interlaced) Composite Video S-video SD Component (YCbCr) HD Component (YPbPr)

Options

3G HD-SDI converter board (HD-3000), Infra-Red Remote handset, 2W Channel Audio Amplifier

Reliability

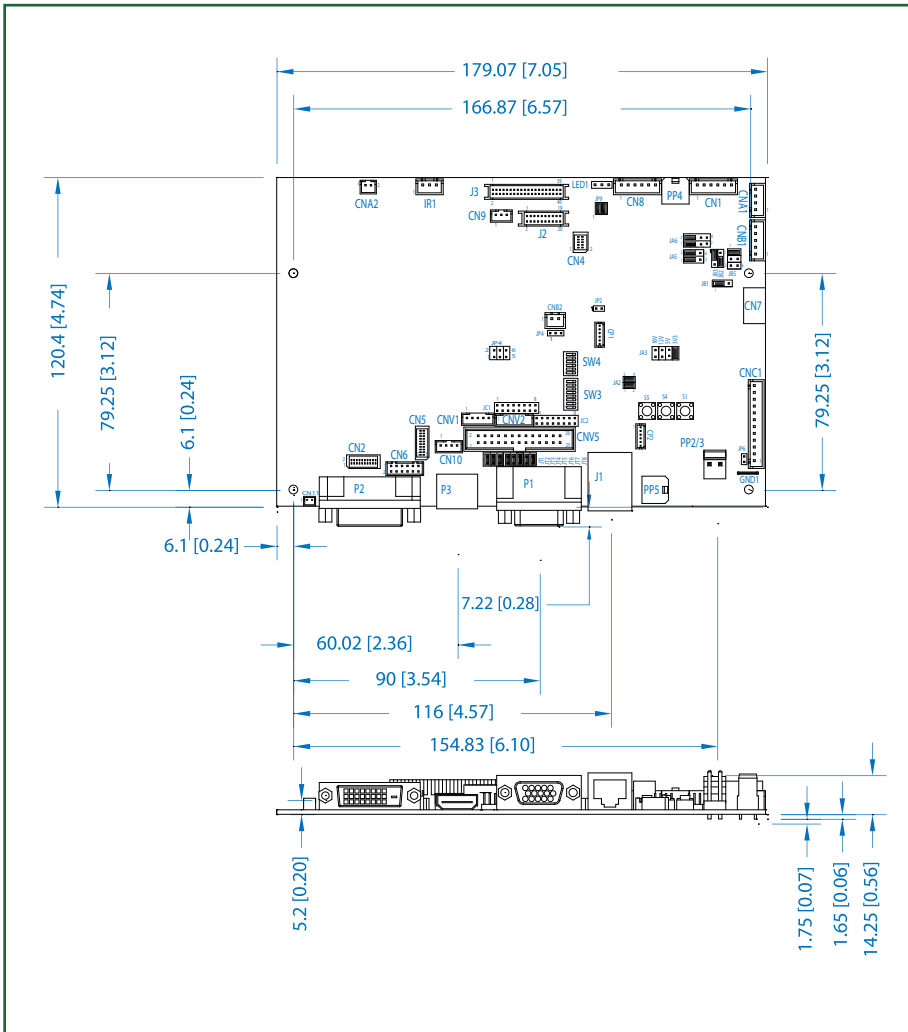
Calculated Mean Time Between Failures In excess of 100,000 hours.
Warranty: 3 years.

Specification

Colors:	Up to 10-bit per color, ie 1.06 Billion colors.
Functions :	On Screen Display (OSD) menu.
Function Controls:	External buttons, Infra-Red controls, Serial Port control, Ethernet Control.
Image Scaling :	Up/Down scaling to fit input to panel format.
Image Control :	Auto configuration, Brightness, Contrast, Clock, Phase, Color temperature, Image position, Saturation, Hue, Gamma.
Other Features :	System Information, OSD position, Scaling to fill screen and fill to aspect ratio, OSD timeout, Factory reset, OSD menu transparency, Picture in Picture variable position with 18 size selections and Picture by Picture, Program mable hot keys, Ambient light sensor, Display real time clock.
Power Requirements :	+12VDC / +24VDC ±5%,10W (controller only)
Panel Power :	Supports 3.3V, 5V, 12V & 18V panels.
Panel Signal :	Dual channel LVDS support.
Inverter Support :	DPMS Enable pin (3.3V or 5V)
Plug & Play :	DDC 1,2/b compatible
Status Indicator :	Dual Color LED support.

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Connector Definitions

- CN3** TTL Panel Signal
- CN1** Second RS-232 serial control
- CN2** Alternate DVI connector
- CN4** Panel control signal connector
- CN5** Alternate HDMI connector
- CN6** Reserved
- CN7** Audio board connector
- CN8** RS-232 serial control
- CN9** Ambient light sensor connector
- CN10** HDMI audio (Stereo) output
- CN11** SPDIF Audio output
- CP1** Reserved for engineering use
- CP2** Reserved for engineering use
- CNA1** Auxiliary power output
- CNA2** Auxiliary +5VDC output
- CNB1** Backlight inverter
- CNB2** Backlight status input connector
- CNC1** OSD controls
- CNV1** Composite and S-video in
- CNV2** HD / SD Component video in
- CNV5** Auxiliary video input
- J1** Ethernet for network connection
- J2** Additional panel power output
- J3** Panel signal for LVDS panel
- IR1** Infra-Red sensor connector
- LED1** Dual color LED connector
- P1** VGA analog input
- P2** DVI-D input
- P3** HDMI input
- PP2/PP3** Power input (alternative)
- PP4** External panel power input
- PP5** Power input

Ordering Options

SVX-1920 Controller Board	P/N 4172100xx-3	HD-SDI Adaptors :	
OSD Digital Button Board	Kit 60110-3	Single Channel (HD-1000)	P/N 4160134xx-3
OSD Vertical Membrane	Kit 60121-3	Dual Channel (HD-2000)	P/N 4160133xx-3
OSD Horizontal Membrane	Kit 60125-3	HD-SDI to HDMI Adapter	P/N 4160167xx-3
Inverter Interface Board	P/N 416040010-3	3G HD-SDI Adaptors :	
Audio Amplifier	P/N 416940020-3	Single Channel (HD-3000S)	P/N 4160164xx-3
IR Remote Control	P/N 559000106-3	Dual Channel (HD-3000)	P/N 4160160xx-3
IE-1000	P/N 4171900xx-3		

3D Drawings (SLDPRT)

Save time and effort for your system volumetric analysis design. Inc jpg file previews.

Please download at www.digitalview.com/products/svx-1920-lcd-controller

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