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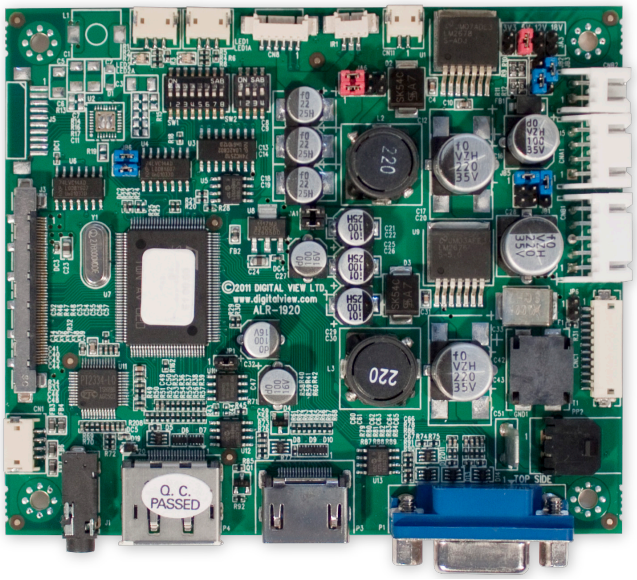

ALR-1920

Multi Purpose LCD Controller Board

Key Features :

> Supports multiple inputs - HDMI, VGA & DisplayPort
> 1080p 1920x1200 Resolution
> Host of advanced image control functions with OSD
> For large format professional monitor applications

The Digital View ALR-1920 interface controller for high-definition, large format professional monitor applications.

The ALR-1920 is the entry level controller for driving the panel up to 1920x1200 resolution. This controller supports HDMI, VGA and DisplayPort input. And it will be the first Digital View controller to support Display Port input.

Panel Connectivity

1920 x 1200	1366 x 768	1024 x 600
1920 x 1080	1280 x 1024	800 x 600
1680 x 1050	1280 x 800	800 x 480
1600 x 1200	1280 x768	640 x 480
1440 x 900	1024 x 768	480 x 640

Input

Analog RGB: 60Hz at WUXGA, UXGA, SXGA, WXGA, XGA, SVGA, VGA With auto detect of Digital Separate Sync, Sync-On-Green & Composite Sync. Auto detects VGA-WUXGA, interlaced & non-interlaced

HDMI 1.3: 60Hz at WUXGA, UXGA, SXGA, WXGA, XGA, SVGA, VGA 1080p, 1080i, 720p, 576p, 480p

DisplayPort 1.1a: 60Hz at WUXGA, UXGA, SXGA, WXGA, XGA, SVGA, VGA 1080p, 1080i, 720p, 576p, 480p

Features

Colors:	Up to 8 bit per color, ie 16.7 million colors.
Functions :	On Screen Display (OSD) menu.
Function Controls:	External buttons, Infra-Red controls, Serial Port control
Image Scaling :	Up / Down scaling to fit input to panel format.
Image Control :	Brightness, Contrast, Sharpness, Clock, Phase, Color temperature, Image position, Gamma.
Other Features :	Auto picture setup, Auto RGB calibration, Auto source seek, OSD timeout, OSD position, OSD menu rotation, OSD transparency, select input source, Volume control.
Dimensions:	107mm x 92mm x 16.65mm
Form Factor:	DV standard & mounting holes.
Power:	+12V/+24VDC ±5%, 4W (controller only)
Panel Power:	Supports 3.3V, 5V, 12V & 18V panels
Panel Signal:	LVDS
Inverter Support:	DPMS Enable pin (5V or 12/24V)
Plug & Play:	DDC 1,2/b compatible
Status Indicator:	Dual color LED support

Reliability

Calculated Mean Time Between Failures In excess of 200,000 hours.
Warranty: 3 years.

Custom Engineering Services

Custom input timing, panel timing, splash screen, OSD Menu, conformal coatings, layouts etc

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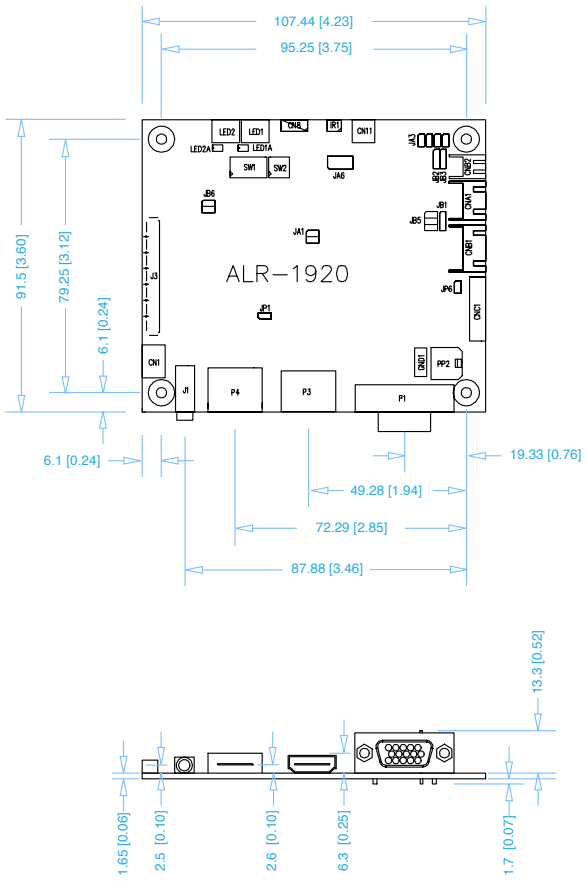
Multi Purpose LCD Controller Board

Mechanical Drawing



Connector Definitions

CN1	Audio output (Stereo) with amplication from HDMI / Display port
CN8	RS-232 serial control
CN11	SPDIF Audio output
CNA1	Auxiliary power output
CNB1	Backlight inverter
CNB2	Backlight status input connector
CNC1	OSD controls
J1	Audio jack (Stereo) output from HDMI / Display port
J3	LVDS panel signal
IR1	Infra-Red sensor connector
LED1	Controller status LED (Optional)
LED2	Backlight status LED (Optional)
P1	VGA analog input
P3	HDMI input
P4	DisplayPort input
PP2	Power input

Ordering Options

ALR-1920 Controller Board	**P/N 4172700xx-3**
OSD Digital Button Board	Kit 67110-3
OSD Vertical Membrane	Kit 67134-3
OSD Horizontal Membrane	Kit 67135-3
Inverter Interface board	P/N 416040010-3
IR Remote Control	P/N 559000106-3

3D Drawings (SLDPRT)

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

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

Available Resources

> Instruction Manual
> Revision Control Documentation**
> Firmware Upgrade Manual**
> Mechanical Drawing
** Available on Request

Controller Solution Generator
http://www.digitalview.com/csg

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