



ALR-1400 RoHS

The Digital View ALR-1400 interface controller for cost-effective, high reliability monitor applications.

The ALR-1400 is a small footprint, highly integrated interface controller with both DVI and Analog RGB inputs. Capable of supporting 4:3 format panels at up to SXGA and 16:9 format panels up to WXGA, the ALR -1400 also provides built-in LVDS and dual or single pixel TTL interfaces to address today's current LCD panels.

PANEL CONNECTIVITY

| | | | |
|-------|------------|-------------|------------|
| TFT : | 1366 x 768 | 1280 x 1024 | 1280 x 768 |
| | 1024 x 768 | 1024 x 600 | 640 x 480 |
| | 800 x 600 | 800 x 480 | |

INPUT

| | |
|-------------|--|
| Analog RGB: | 60Hz at SXGA, WXGA, XGA, SVGA, VGA With auto detect of Digital Separate Sync, Sync-On-Green & Composite Sync. Auto detects VGA ~ SXGA interlaced & noninterlaced. |
| DVI-D | 60Hz at SXGA, WXGA, XGA, SVGA, VGA |

RELIABILITY

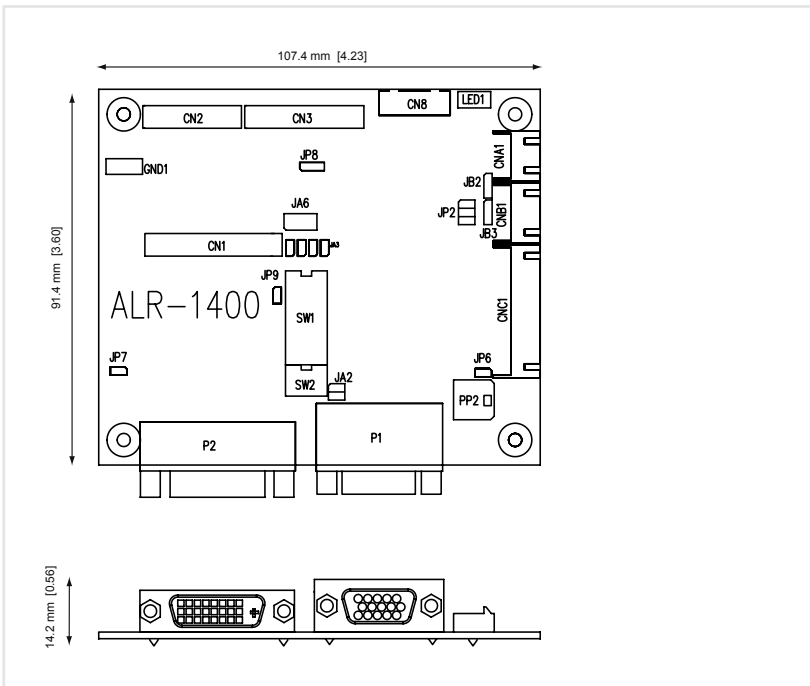
Calculated Mean Time Between Failures
In excess of 200,000 hours. Warranty - 3 years.

CUSTOM ENGINEERING SERVICES

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

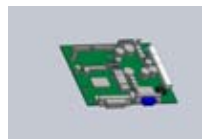
FEATURES

| | |
|----------------------|--|
| Colors : | Up to 8-bit per color, 16.7 million colors. |
| Functions : | On Screen Display (OSD) menu. |
| Function Controls : | External buttons, Serial Port Control. |
| Image Scaling : | Up scaling to fit input to panel resolution. |
| Image Control : | Brightness, Contrast, Saturation, Hue, Frequency, Phase, Color temperature, Image position, Hue, Gamma. |
| Other Features : | Auto picture setup, Auto RGB calibration, Auto source seek, OSD timeout, OSD position, Input source select, OSD menu lock, Direct key for brightness level adjustment. |
| Dimensions: | 107mm x 92mm (4.2" x 3.6") |
| Form Factor: | DV Standard & Mounting Holes |
| Power Requirements : | 12V / 24VDC \pm 5%, 4W (controller only) |
| Panel Power : | Supports 3.3V, 5V, 12V & 18V panels. |
| Panel Signal : | TTL & LVDS |
| Inverter Support : | DPMS Enable pin (5v or 12v/24v). |
| Plug & Play: | DDC 1,2/b compatible |
| Status Indicator : | Dual color LED support. |



CONNECTOR DEFINITIONS

| | |
|------|--------------------------|
| CN1 | LVDS Panel Signal |
| CN2 | TTL Panel Signal |
| CN3 | TTL Panel Signal |
| CN8 | Serial control |
| CNA1 | Auxiliary Power Output |
| CNB1 | Backlight Inverter |
| CNC1 | OSD Function Controls |
| LED1 | Dual color LED connector |
| P1 | ARGB analog input |
| P2 | DVI-D input |
| PP2 | Main Input Power** |



Ready-made 3D drawing files

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

<http://www.digitalview.com/controllers/products.php>

ACCESSORIES

| | |
|--------------|------------------------------|
| Kit 60110-3: | OSD Digital Button Board Kit |
| Kit 60121-3: | OSD Vertical Membrane Kit |
| Kit 60125-3: | OSD Horizontal Membrane Kit |
| 416040010-3: | Inverter Interface board |
| 426013800-3: | Power-Input Cable ## |
| 426090200-3: | RS-232 Cable |

AVAILABLE DOCUMENTATION

- Instruction Manual
- Revision control documentation**
- Mechanical Drawings
- Firmware Upgrade Manual
- MTBF Analysis**

MECHANICAL DRAWING

| | |
|--------------|----------------------------------|
| Dimensions: | 107.4mm x 91.4mm (4.23" x 3.60") |
| Form Factor: | DV standard & mounting holes |

* See accessories page on website for details.

** Available upon request.

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