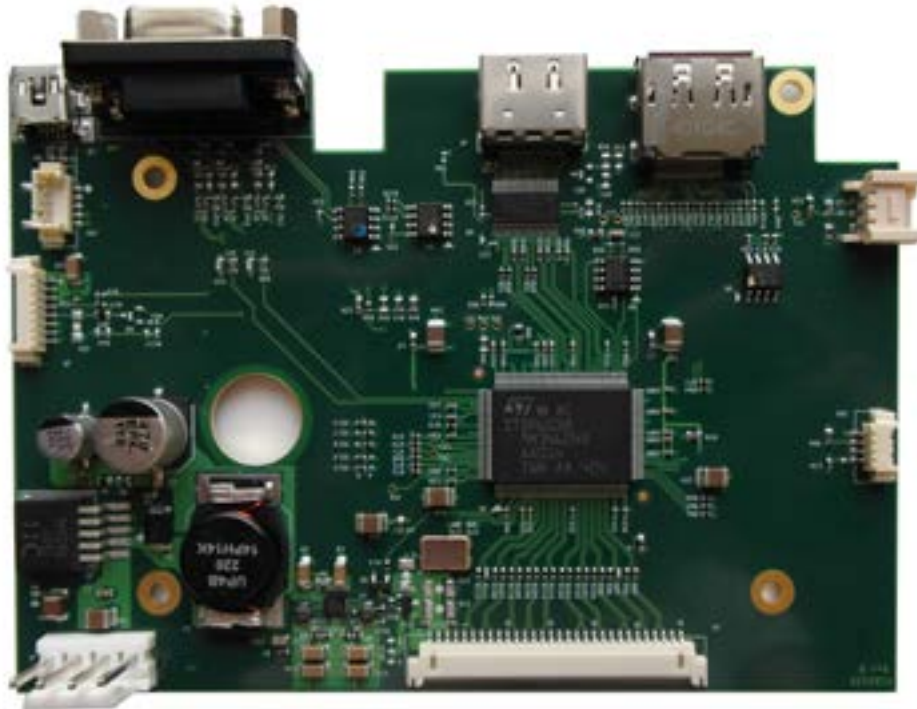


ASY5647 HDMI Display Controller



Description

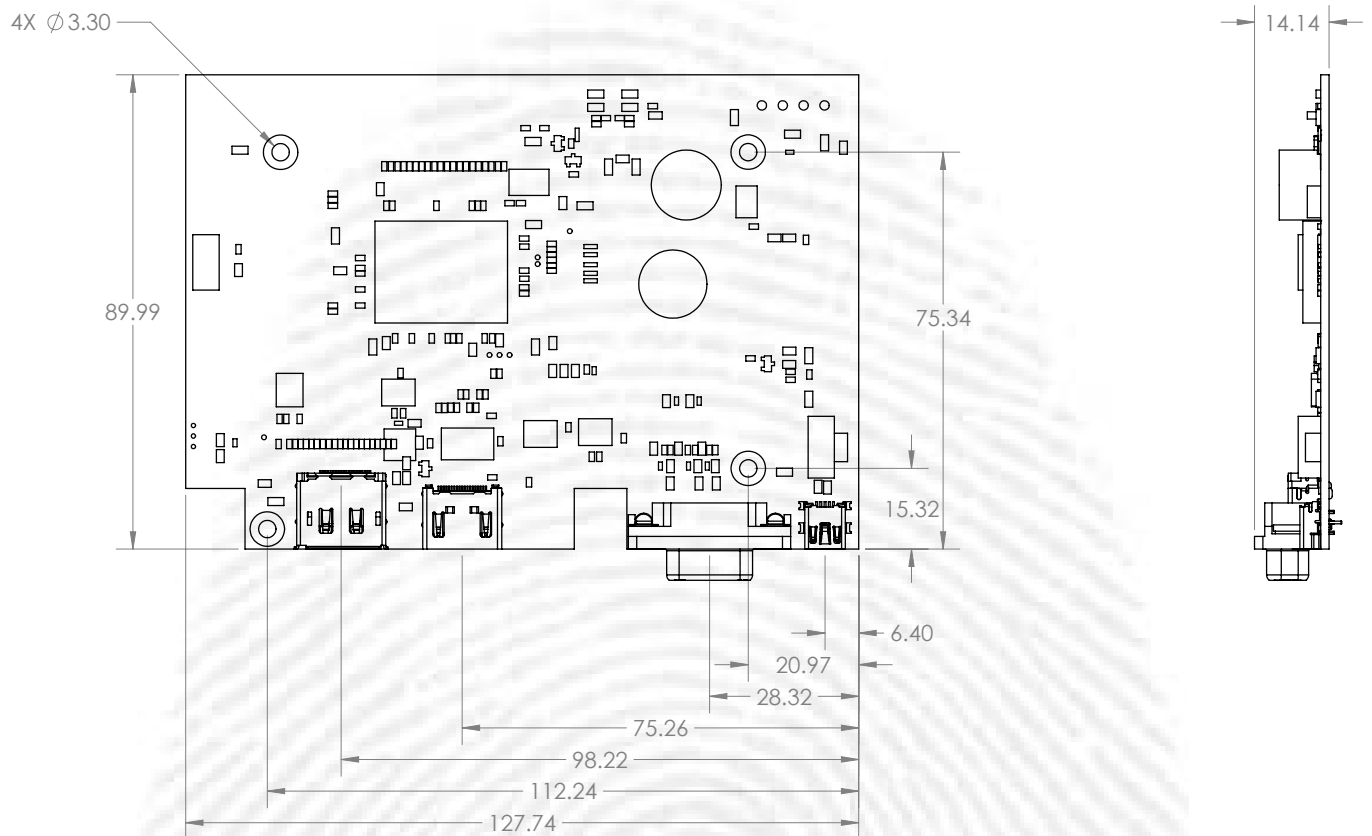
Touchstone Technology's ASY5647 is a fully functional LCD display controller. The target applications for this video controller are primarily in the medical LCD monitor market. However, the ASY5647 is suitable for any application where high video fidelity and long life support is necessary.

As an added feature, this high-capability video controller allows for use with projected capacitive touchscreen controllers by TPK America. In addition, users can enable backlight stabilization, and, with a custom calibration curve, achieve DICOM compliance with a wide variety of LCD panels.

In order to achieve long service life, the ASY5647 uses ceramic capacitors, as opposed to electrolytic capacitors that would fail in a high-temperature environment. The controller was engineered from the start to be available for at least five years; this allows it to be used in highly regulated medical products.

Designed and manufactured in the United States, this board can easily be customized by Touchstone Technology to meet your specific requirements.

ASY5647 HDMI Display Controller



Panel Voltage	+5 or +12 user selectable
Maximum/Minimum LCD Panel Resolution	1920 x 1200 Dual channel LVDS / 640x480 Single channel LVDS
Dimensions	127.74 mm (L) x 89.94 mm (W) x 14.14 mm (H)
Digital Inputs	Displayport and HDMI
Analog Inputs	VGI
Power Input	5V DC
Power Consumption	10W
Backlight Support	PWM Backlight driver support with image stabilization sensor available
Touchscreen Support	TPK projected capacitive touchscreen support
DICOM Support	DICOM LCD panel supported through custom calibration
OSD Support	DDC/Ci control application available (source code)