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Qualia Bare Driver Board for LP097QX1 Display
PRODUCT ID: 1716

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DESCRIPTION

TECHNICAL DETAILS

DESCRIPTION

The Qualia Retina driver board is a work of art (it was designed by resident engineer KTOWN). It's used in the Adafruit Qualia 9.7" DisplayPort Monitor Kit and we use the really awesome LT3754 as a 12-channel constant current driver with individual backlight string channel control. This gives the backlight perfect consistency over any usage or temperature range. A ATtiny85 handles the backlight dimming and soft on/off, so you can PWM the backlight over a range to get the look you want.

This driver is available for advanced users only! The Molex connector that is used to connect to the LG display is *insanely* delicate and breaks *very very very easily* if you are not very careful! If you order this driver board and break the connector, it may no longer work and we cannot repair it. If you break it you may have to buy another driver. We do not offer any returns, refunds or replacements! Do not purchase if you are not comfortable with this risk!

If you'd like a plug-n-play, easy to use kit with the TFT already attached to the delicate connector, please purchase our Qualia kit!

TECHNICAL DETAILS

- Dimensions: 45mm x 85mm / 1.8" x 3.4"
- Mounting Holes Distance: 37mm x 77mm / 1.5" x 3"
- Weight: 21g

Datasheets, EagleCAD PCB files, and CAD files in the tutorial
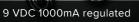

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"It's only "work" if you'd rather be doing something else" - Dean Kamen

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