

## MIP-1000

### MIPI interface LCD controller board

The MIPI LCD controller board is a semi-customized interface for HDMI to MIPI input LCD panels.

#### Key Features:

- » Up to 2160x3840 input / Up to 2160x3840 LCD panels
  - » HDMI 1.4
  - » MIPI DSI panel connection
  - » Custom panel matching\*
- » Part Number: 4160072xx-3

#### Panel Connectivity

<b>MIPI DSI:</b>	up to 2160 x 3840 @30Hz
<b>Panel resolutions:</b>	400x400, 720x720, 800x800, 1080x1200, 1440x1440, 1440x1600, 1440x2560, 1080x1920, 1200x1920, 2560x1600, 2160x3840
<b>Already supported:</b>	<b>AUO:</b> H139BLN01.2, H381DLN01.2, H546DLB01.1, H546DLB01.2, H545QAN01.0, G101UAN02.0, G080UAN01.0 <b>BOE:</b> VS035ZSM-NH0 <b>JDI:</b> LT031MDZ4000, ACX450AKN-7, LT070ME05000, TFTMD089030 <b>Sharp:</b> LS029B3SX02, LS055T1SX01, LS059T1SX01, LS060T1SX01, LS055R1SC01, LS055R1SX03, LS055R1SX04, LS060R1SX01, LS060R1SX02, LQ079L1SX01, LQ079L1SX02, LQ079L1SX02F

#### Input

<b>HDMI 1.4:</b> (x1 connector)	30Hz up to 2160 x 3840
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#### Reliability

<b>Warranty:</b>	1 year
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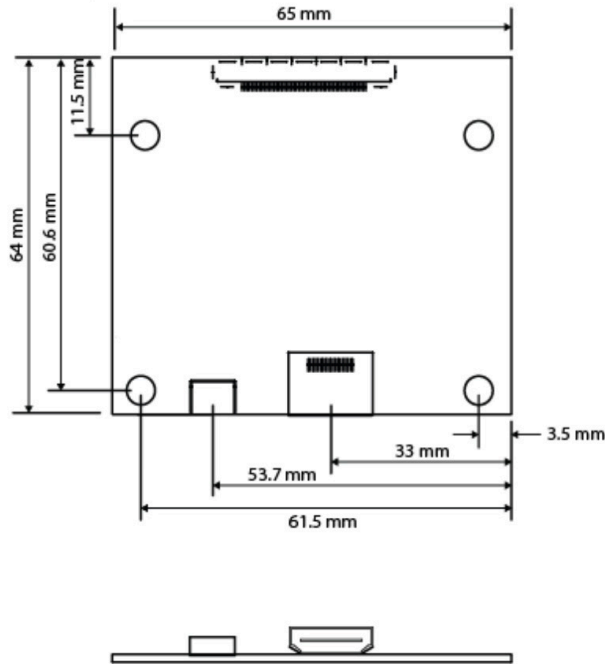
#### Features

<b>Colors:</b>	Up to 8 bit per color
<b>Image Control:</b>	Brightness
<b>Input Power:</b>	+5VDC
<b>Output Power:</b>	Supports 1.8V, 3.3V, 5.8V
<b>Operating temp:</b>	0°C to 60°C
<b>Backlight Control:</b>	PWM

**\*Panel matching:** The customization involves preparation of the FPC cable and matching the timing and signal to the panel. To verify this we will require a sample of the panel.

# MIP-1000 MIPI 2160 x 3840 LCD Controller Board

## Mechanical Drawing



## Connector Definitions

<b>MIPI DSI</b>	MIPI panel interface
<b>HDMI</b>	Video input
<b>USB</b>	+5V input power

## Ordering Options

MIP-1000 MIPI controller board P/N: 4160072xx-3

Display interface board [subject to panel model]

## Drawings

» 2D (jpg)

### Download at:

<http://www.digitalview.com/products/mip-1000-lcd-controller>

## Available Resources

- » Instruction manual
  - » Revision control documentation
  - » Firmware upgrade manual\*\*
  - » Mechanical drawing
  - » Custom engineering: Board, FPC cable, coatings, & more...
- \*\* Available on request

### Controller Solution Generator

<http://www.digitalview.com/csg>

### USA

18440 Technology Drive, Morgan Hill, CA 95037, USA  
t: +1 (408) 782-7773

### EUROPE

The Lake House, Knebworth Park, Herts, SG3 6PY, UK  
t: +44 (0) 20-7631-2150

### ASIA

705-708 Texwood Plaza, 6 How Ming St, Kwun Tong, Hong Kong  
t: (852) 2861-3615



The QR code above links to the product page on the website