



Specializing in
HDMI to MIPI
HDMI to eDP
LVDS to eDP
HDMI to RGB888
RK3288
Boards and Solutions

### **CONFU HDMI to MIPI Board**

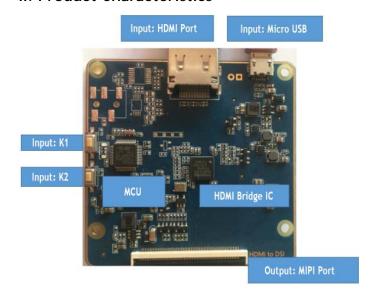
Model: CONFU HDMItoMIPI-V1.2

#### I. Product Overview

HDMItoMIPI-V1.2 is a super driver board which convert the HDMI to MIPI for LCD and AMOLED screens. Supported Resolution: 2560\*1600@60Hz, 2560\*1440@60Hz, 2048\*1536@60Hz, 1920\*1200@60Hz, 1920\*1080@60Hz, 1366\*768@60Hz, 1280\*720@60Hz etc

Application Range: PC, Raspberry Pi, VR, 3D LCD Printer, Advertising Machine, etc.

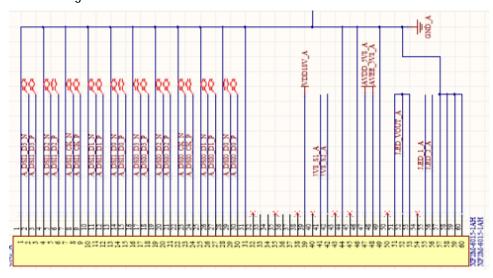
#### II. Product Characteristics



Customized Service
OEM/ODM Service
Available

Input: HDMI A TYPE 2.0 & 1.4 , Micro USB Voltage: 4.5V-5.5V ,Current: 500mA Reserved Function Ports: K1 and K2 for Power switch,dimmer, screens switching Output: 3.3V, 1.8V MINI Signal, +/- 5V, 2 lines B/L signal

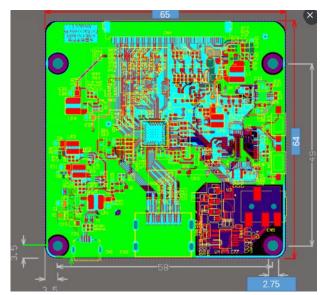
#### Circuit Diagram:



# **III. Product Dimension**



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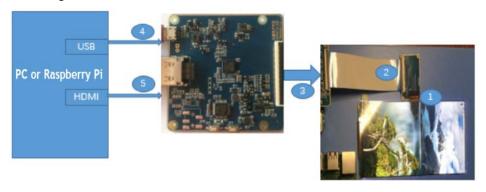


64mm(L)x65mm(W)x1.2mm(T)

# **IV. Tested Screens Models**

Brand	Model	Display	Size	Resolution(S)	Resolution(D)	Frequency	Mark
SHARP	LS029B3SX02	LCD	2.89	1440*1440	2880*1440	70	Wark
SHARP	LS055T1SX01	LCD	5	1080*1920	NA	50-60	
SHARP	LS055R1SX03	LCD	5.5	1440*2560	NA	50-60	
SHARP	LS055R1SX04	LCD	5.5	1440*2560	NA	50-60	
SHARP	LS060R1SX01	LCD	6	1440*2560	NA	50-60	
SHARP	LS079L1SX02F	LCD	7.9	1536*2048	NA	50-60	
JDI	ACX450AKN-7	LCD	5	1080*1920	NA	50-60	
JDI	ACX465AKM-7	LCD	5.9	1080*1920	NA	50-60	
JDI	LPM055A138A	LCD	5.5	1440*2560	NA	50-60	
JDI	LPM055A184A	LCD	5.5	1440*2560	NA	50-60	
JDI	LT070ME05000	LCD	7	1200*1920	NA	50-60	
JDI	TFTMD089030	LCD	8.9	2560*1600	NA	50-60	
AUO	H546DLB01.2	AMOLED	5.5	1080*1920	NA	50-60	
AUO	H381DLN01.2	AMOLED	3.81	1080*1200	2160*1200	90	
Everdisplay	E295FMM1	AMOLED	2.95	1080*1200	2160*1200	90	
BOE	NA	LCD	3.5	1440*1600	2880*1600	60	
Samsung	AMS567DJ01	AMOLED	5.67	1440*2560	NA	60	Note4

#### V. Using Guidance





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- a. Connection and Disconnection Steps
- 1. Connect the interface board with the screen port
- 2. Connect the interface board with the cables
- 3. Connect the cables with the HDMItoMIPI-V1.2 board
- 4. Insert the "HDMI A TYPE" port
- 5. Insert the USB power supply port

#### Disconnection Steps:

- 1. Take off the USB power supply port
- 2. Take off the "HDMI A TYPE" port
- 3. Disconnect the cables with the HDMItoMIPI-V1.2 board
- 4. Disconnect the interface board with the cables
- 5. Disconnect the interface board with the screens port

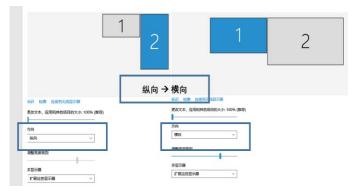
## b. PC Using Guidance

Most of the MIPI screen are vertical type which need to adjust the graphics mode Replication mode  $\longrightarrow$  Extension mode  $\longrightarrow$  Vertical and horizontal adjustment











#### c. Raspberry Pi Using Guidance





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- 1. HDMI to DSI Board Dimension Match Raspberry Pi four screw holes
- 2. Different Screens with Different Setting The Setting Details, please contact with us.

#### VI. CONFU INDUSTRIES RELATED PRODUCT PHOTOTS











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# Confu

















