



DM-ADTTR-027

DISPLAY ADAPTER FOR TYPE-C TO MIPI DSI

Revision History

Revision	Date	Author	Change Description
1.0	25/10/2022	Stan	New Create

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1. DM-ADTTR-027 Adapter

1.1. Over View

DM-ADTTR-027 is a special adapter for converting standard type-C to MIPI video format. Applicable to AR/VR, thermal imaging, tracing device, camera and other equipment. It is ROHS compliant.

1.2. Main Features

Item	Specification	Unit
Function	Type-C to MIPI DSI	
Input interface	Type-C	
Out interface	MIPI	
Driver IC	/	
Resolution	1920*1080@60Hz	
Display Module	Single	
OS Support	Phone/Windows/Mac OS	
Operation Temperature	-20°C~+60°C	
Outline	55*18	mm

1.3. External Pins

The DM-ADTTR-025 has two interface, the input interface is a standard type-c connector, and the output interface is a MIPI DSI connector.

1.3.1. Pin Description

Table 1-1

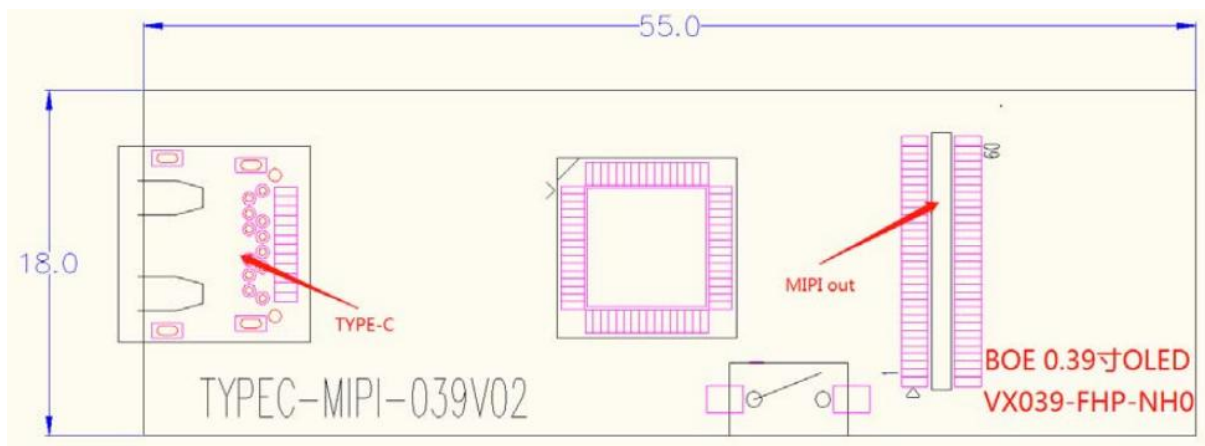
PIN	SYMBOL	DESCRIPTION
1	GND	Circuit ground
2	GND	Circuit ground
3	TEST PIN 1	TEST pin(no connect,Floating)
4	IM[0]	
5	OTP-SEL	MTP TYPE SELECTION. OTP_SEL=0:use external MTP OTP_SEL=1:use internal MTP
6	OCP_OUT	Over current protect flag
7	TEST PIN 2	TEST pin,connect to GND
8	SDA	Bi-direction data PIN in I2C I/F If this pin is not used,please connect to VDDI
9	SCL_WRX	Synchronous clock signal in I2C I/F If this pin is not used,please connect to VDDI
10	RESX	This signal will reset the device and must be applied to properly initialize the chip, Signal is active low

11	VDDI	External power supply(1.8V for digital system power)
12	VDDI	External power supply(1.8V for digital system power)
13	VIN	External power supply
14	VIN	External power supply
15	ENP	Enable pin for Power IC(Connect to VIN)
16	ENN	Enable pin for Power IC(Connect to VIN)
17	GND	Circuit ground
18	GND	Circuit ground
19	GND	Circuit Ground
20	GND	Circuit ground
21	GND	Circuit ground
22	GND	Circuit ground
23	GND	Circuit ground
24	GND	Circuit ground
25	GND	Circuit ground
26	GND	Circuit ground
27	GND	Circuit ground
28	GND	Circuit ground
29	GND	Circuit ground
30	GND	Circuit ground
31	GND	Circuit ground for MIPI
32	DATAP2_PTA	Differential small amplitude signal of MIPI data input
33	DATAP2_PTA	Differential small amplitude signal of MIPI data input
34	GND	Circuit ground for MIPI
35	DATAP1_PTA	Differential small amplitude signal of MIPI data input
36	DATAN1_PTA	Differential small amplitude signal of MIPI data input

37	GND	Circuit ground for MIPI
38	CLKP_PTA	MIPI CLK
39	CLKP_PTA	MIPI CLK
40	GND	Circuit ground for MIPI
41	DATAP0_PTA	Differential small amplitude signal of MIPI data input
42	DATAN0_PTA	Differential small amplitude signal of MIPI data input
43	GND	Circuit ground for MIPI
44	DATAN3_PTA	Differential small amplitude signal of MIPI data input
45	DATAN3_PTA	Differential small amplitude signal of MIPI data input
46	GND	Circuit ground for MIPI
47	DATAN2_PTB	Differential small amplitude signal of MIPI data input
48	DATAN2_PTB	Differential small amplitude signal of MIPI data input
49	GND	Circuit ground for MIPI
50	DATAP1_PTB	Differential small amplitude signal of MIPI data input
51	DATAN1_PTB	Differential small amplitude signal of MIPI data input
52	GND	Circuit ground for MIPI
53	CLKN_PTB	MIPI CLK
54	CLKN_PTB	MIPI CLK
55	GND	Circuit ground for MIPI
56	DATAN0_PTB	Differential small amplitude signal of MIPI data input
57	DATAN0_PTB	Differential small amplitude signal of MIPI data input
58	GND	Circuit ground for MIPI
59	DATAN3_PTB	Differential small amplitude signal of MIPI data input
60	DATAN3_PTB	Differential small amplitude signal of MIPI data input

1.4. Package

1.4.1. Dimension



Unit: mm

2. Adaptive Screens

3. Support and Q&A

<http://www.displaymodule.com/pages/faq>