



**上海冠显光电科技有限公司**  
Shanghai Top Display Optoelectronics Co., LTD

**PRODUCTION SPECIFICATION  
OF LCD MODULE  
MODULE NO.: TL101WXH22CT**

<b>Customer Name:</b>			
<b>Customer Part Number:</b>			
<b>Approved By:</b>		<b>Date:</b>	

<b>Prepared By</b>	<b>Checked By</b>	<b>Approved By</b>



## Table of Contents

Revision History.....	3
1 General Specifications.....	4
2 Pin Assignment.....	5
3 Absolute Maximum Ratings.....	6
4 Electrical Characteristics.....	6
5 INTERFACE TIMING.....	8
5.1 System Bus Read/Write Characteristics.....	8
5.2 Power ON/OFF Timing.....	9
6 Optical Characteristics.....	10
7 Environmental / Reliability Test.....	14
8 Mechanical Drawing.....	15
9 Precautions For Use of LCD Modules.....	16



## Revision History

Rev	Issued Date	Description	Page	Editor
1.0	Mar. 28, 2020	First release	All	



## 1 General Specifications

Feature		Specifications
<b>Display Spec.</b>	LCD type	10.1 inch
	Resolution (H*V)	1280(RGB)×800
	Technology Type	a-Si TFT
	Pixel Configuration	R.G.B. Vertical Stripe
	Display Mode	Normally Black
	Viewing Direction	ALL
	Gray Scale Inversion Direction	ALL
<b>Mechanical Characteristics</b>	OutlineDimensions (W x H x T) (mm)	256.37*174.37*4.23
	Active Area(mm)	216.96*135.6
	With /Without Touch screen	With CTP
	Match Connector Type	0.5 Pitch 40 Pin
	Backlight Type	White LED
	Weight (g)	TBD
<b>Electrical Characteristics</b>	Interface	LVDS
	Number of color	16M
	Driver IC	-



## 2 Pin Assignment

Pin	Symbol	I/O	Description
1	VCOM	P	Common Voltage
2	VDD	P	Power Supply
3	VDD	P	Power Supply
4	NC	---	No connection
5	NC	---	No connection
6	NC	---	No connection
7	GND	P	Ground
8	Rxin0-	I	-LVDS Differential Data Input
9	Rxin0+	I	+LVDS Differential Data Input
10	GND	P	Ground
11	Rxin1-	I	-LVDS Differential Data Input
12	Rxin1+	I	+LVDS Differential Data Input
13	GND	P	Ground
14	Rxin2-	I	-LVDS Differential Data Input
15	Rxin2+	I	+LVDS Differential Data Input
16	GND	P	Ground
17	RxCLK-	I	-LVDS Differential Clock Input
18	RxCLK+	I	+LVDS Differential Clock Input
19	GND	P	Ground
20	Rxin3-	I	-LVDS Differential Data Input
21	Rxin3+	I	+LVDS Differential Data Input
22	GND	P	Ground
23	NC	---	No connection
24	NC	---	No connection
25	GND	P	Ground
26	NC	---	No connection
27	LED_PWM	I	CABC controller signal output for backlight
28	NC	---	No connection
29	AVDD	P	Power for Analog Circuit
30	GND	P	Ground
31	LED-	P	LED Cathode
32	LED-	P	LED Cathode
33	NC	---	No connection
34	NC	---	No connection
35	VGL	P	Gate OFF Voltage
36	NC	---	No connection
37	CABC_EN	I	CABC Enable Input
38	VGH	P	Gate ON Voltage
39	LED+	P	LED Anode
40	LED+	P	LED Anode

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