

Specification

COM101H9M36

10.1" - 1280 x 800 – LVDS

Spec Revision: 0.0
Revision Date: 05.07.2024

Note: This specification is subject to change without prior notice

IPS Blanview-F
TFT-LCD Module 10.1inch WXGA 1280 x RGB x 800 Landscape
New Model : COM101H9M36***

Model Overview

Please check it for reference.

Jul. 5th, 2024

TOPPAN INC.

Ortus Sales
Sales Department 1
Electronics Division

COM101H9M36***

Landscape 10.1inch WXGA TFT-LCD Module

ORTUSTECH

■ Specifications : Module

IPS,Blanview-F

RoHS(2.0) compatible

Items	Specification	Units	Notes
Display type , Surface Finishing	IPS , Blanview-F , Normally Black , Clear	--	
Display Size	255.85 / 10.1	mm / inch	
Active area	216.96 (H) × 135.6 (V)	mm	
Display Format	WXGA : 1280 × RGB (H) × 800 (V)	stripes	
Dot Pitch	0.0565 × RGB (H) × 0.1695 (V)	mm	
Outline Dimensions	231.08 (H) × 149.6 (V) × 6.0 (D)	mm	
Weight	TBD	g	
Input Signal Type	LVDS (8bit)	--	I/F: 40pin
Number of Colors	16.7M (8bit)	colors	
Contrast Ratio	(1,000)	--	
NTSC Ratio	(50)	%	
Brightness	(1,000)	cd/m ²	
Viewing Angle (U/D/L/R)	(80 / 80 / 80 / 80)	deg.	CR ≧ 10
Operating Temperature	-30 ~ +85	°C	
Storage Temperature	-40 ~ +85	°C	
Power Supply (LCD)	2.5 , 3.3 , 8.2	V	
Power Consumption (LCD)	TBD	mW	
Power Consumption (LED)	TBD	mW	
Estimated Life of LED	(50,000 ≧)	hrs.	

※設計段階のため、製品仕様・外観は予告なしに変更することがありますのでご了承ください。
Product specifications and appearance are subject to change without notice at design stage.

REV	DESCRIPTION	DATE
VO.0	NEW	2004.6.25

Temporary drawing, only for confirming of dimensions. The details will be provided after the final confirmation of formal samples.

RoHS

Pin No.	Symbol
1	NC
2	VDD
3	VDD
4	NC
5	NC
6	NC
7	GND
8	EX1N0-
9	EX1N0+
10	GND
11	EX1N1-
12	EX1N1+
13	GND
14	EX1N2-
15	EX1N2+
16	GND
17	EX1K-
18	EX1K+
19	GND
20	EX1N3-
21	EX1N3+
22	GND
23	NC
24	NC
25	GND
26	NC
27	NC
28	NC
29	AVDD
30	GND
31	NC
32	NC
33	K1
34	K2
35	K3
36	K4
37	K5
38	K6
39	LEDA
40	LEDA

221.86±0.30(M OUTLINE)
 220.26±0.20(L OPEN)
 219.26±0.2(POL)
 218.86±0.2(AA)

1280 (RGB) * 800
 View Direction:
 ALL

Labels: 18.6±0.2(A), 19.6±0.2(POL), 19.6±0.2(L OPEN), 18.6±0.2(M OUTLINE)

Labels: SUS304, 48.33±t, 40.33±t, 11.6±t, 8.0±0.05, 8.0±0.05

Connector: 106415-0041-05 or compatible
 10030005 Casing
 Black cover tape
 soldering tin
 Connector: 106479-8001-0 or compatible
 soldering tin

0.1695
 0.1695
 R G B

DETAIL:A

Labels: Thermally Conductive Adhesive Transfer Tapes, Alignment Line, Casing, PC, House, SUS304, Black single-sided adhesive

Black single-sided adhesive
 Protect FPC from touching the SUS304

DETAIL:B

Labels: FPC, Casing, Black single-sided adhesive, Protect FPC from touching the SUS304

DETAIL:C

Labels: LEDA, K1, K2, K3, K4, K5, K6

Circuit Diagram:
 If=240mA Vf=25.6V

NOTES:

1. DISPLAY MODE : 10. 1" 16. 7M COLOR LCD, TRANSMISSIVE, NORMAL BLACK.
2. DOT:1280*800.
3. VIEW DIRECTION:ALL VIEW.
4. BACKLIGHT:48 CHIP-WHITE LED, 6S*8P
5. MODEL LUMINACE:1000TYP Cd/M2 (if=240mA)
6. OPERATING TEMPERATURE: -30° C TO 85° C
 STORAGE TEMPERATURE: -40° C TO 85° C
7. PRODUCTS MEET ROHS STANDARDS
8. GENERAL TOLERANCE : ±0.2mm.

**1st Sample
in Nov. 2024**

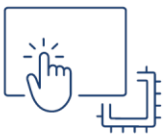
**MP
in Feb. 2025**

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