SPECIFICATION

CUSTOMER : _____

MODULE NO.: WF43-480272QD#Z07-FC

General Specifications

Item	Dimension	Unit
Size	4.3	inch
Dot Matrix	480 x RGBx272(TFT)	dots
Module dimension	106.7 x 83.98 x 9.15	mm
Active area	95.04 x 53.856	mm
Dot pitch	0.066 x 0.198	mm
LCD type	TFT, Normally White, Transmissive	
View Direction	12 o'clock	
Gray Scale Inversion Direction	6 o'clock	
Aspect Ratio	16:9	
Backlight Type	LED, Normally White	
Controller IC	SSD1963	
Interface	Digital 8080 family MPU 8bit/16bit	
CTP FW Version	08	
With /Without TP	With CTP	
Surface	Glare	

Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	-20	—	+70	℃
Storage Temperature	TST	-30	—	+80	℃

Note: Device is subject to be damaged permanently if stresses beyond those absolute maximum ratings listed above

1. Temp. ≦60℃, 85% RH MAX. Temp.＞60℃, Absolute humidity shall be less than 85% RH at 60℃

Electrical Characteristics

Operating conditions: (CON3.Pin1=GND, Pin2=VDD)

Item	Symbol	Condition	Min	Typ	Max	Unit	Remark
Supply Voltage For LCM	VDD	—	3.0	3.1	3.3	V	-
Supply Current For LCM	IDD	—	—	210	350	mA	Note1

Note 1 : This value is test for VDD=3.3V , Ta=25℃ only

Backlight driving conditions (CON3.Pin33,34=VLED-, Pin35,36=VLED+)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Remark
Operation Current For LED Driver	VLED+=3.3V	270	-	405	mA	Note 1,2
Power Consumption	VLED+=3.3V	891	-	1337	mW	Note 1,2
Supply Voltage For LED Driver	VLED+	3.3	-	5	V	Note 1,2
LED Life Time		20,000	-	-	Hr	Note 2,3,4

Note 1 : Base on VLED= 3.3V for the back light driver IC specification
Note 2 : Ta = 25 ℃
Note 3 : Brightness to be decreased to 50% of the initial value
Note 4 : The single LED lamp case

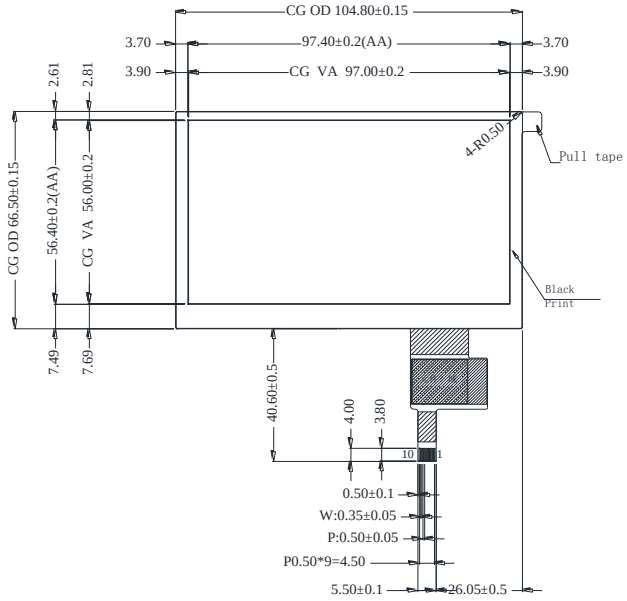
Interface

LCM PIN Definition (CON3)

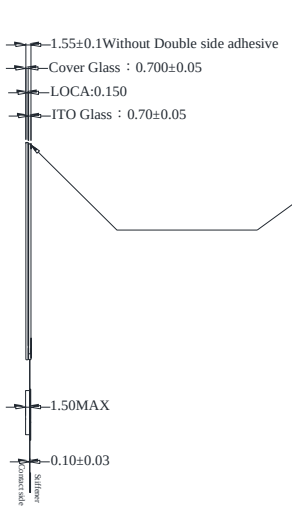
Pin	Symbol	Function	Remark
1	GND	System round pin of the IC. Connect to system ground.	
2	VDD	Power Supply : +3.3V	
3	BL_E	Backlight control signal , H: On \ L: Off	
4	D/C	Data/Command select	
5	WR	Write strobe signal	
6	RD	Read strobe signal	
7	D0	Data bus	
8	D1	Data bus	
9	D2	Data bus	
10	D3	Data bus	
11	D4	Data bus	
12	D5	Data bus	
13	D6	Data bus	
14	D7	Data bus	
15	D8	Data bus (When select 8bits mode, this pin is NC)	Note1
16	D9	Data bus (When select 8bits mode, this pin is NC)	Note1
17	D10	Data bus (When select 8bits mode, this pin is NC)	Note1
18	D11	Data bus (When select 8bits mode, this pin is NC)	Note1
19	D12	Data bus (When select 8bits mode, this pin is NC)	Note1
20	D13	Data bus (When select 8bits mode, this pin is NC)	Note1
21	D14	Data bus (When select 8bits mode, this pin is NC)	Note1
22	D15	Data bus (When select 8bits mode, this pin is NC)	Note1
23	NC	No connection	
24	CTP_INT	External interrupt to the host	
25	CS	Chip select	
26	RESET	Hardware reset	
27	DIP ON	Display control H: On \ L:Off	
28	NC	No connection	
29	CTP_SCL	Active low I2C clock input	
30	CTP_SDA	Data input I2C data input and output	
31	CTP_RST	External Reset, Low is active	
32	CTP_WAKE	External interrupt from the host	
33	VLED-	VLED- for B/L LED inverter (GND)	
34	VLED-	VLED- for B/L LED inverter (GND)	
35	VLED+	VLED+ for B/L LED inverter (+3.3V)	
36	VLED+	VLED+ for B/L LED inverter (+3.3V)	

Note1: When select 8bit mode, DB0~DB7 be used, DB8~DB15 no connect
When select 16bit mode, DB0~DB15 be used

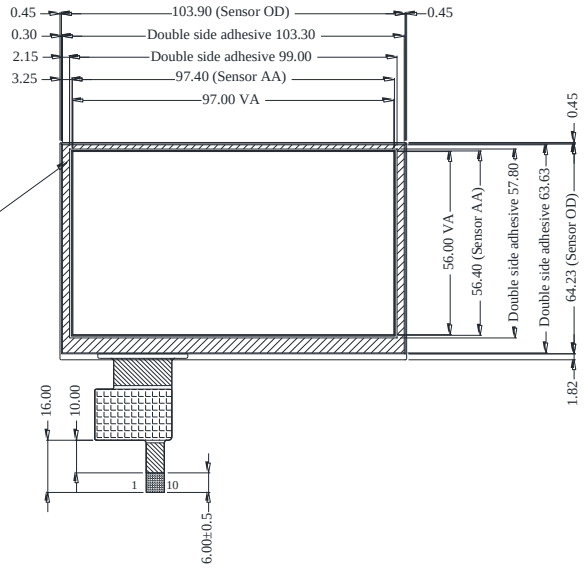
Touch Panel Information



FRONT VIEW



SIDE VIEW



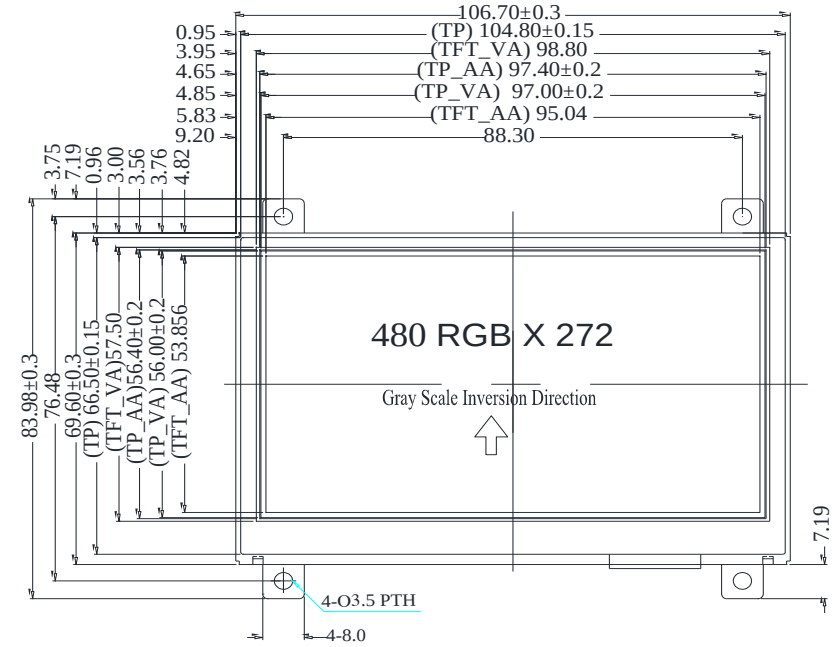
BACK VIEW

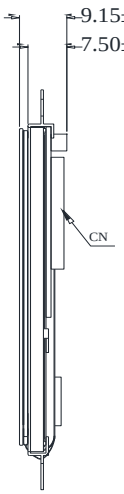
PIN NO.	SYMBOL
1	VSS
2	VDD
3	SCL
4	NC
5	SDA
6	NC
7	/RST
8	/WAKE
9	/INT
10	VSS

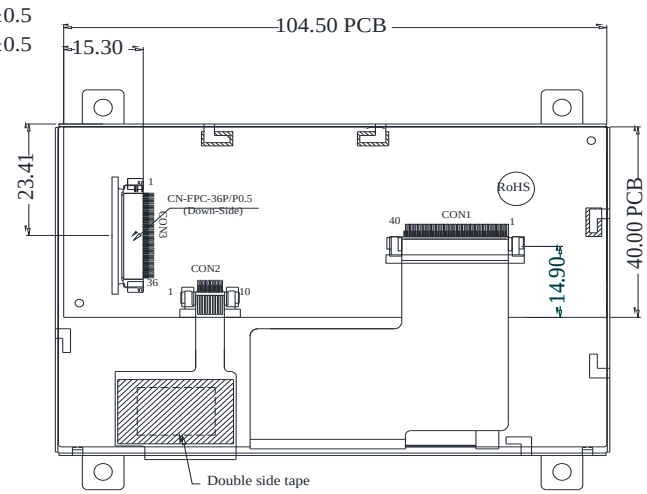
The non-specified tolerance of dimension is ±0.2mm.

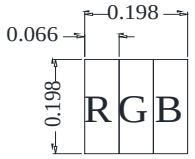
Contour Drawing

PIN NO.	SYMBOL
1	GND
2	VDD
3	BL_E
4	D/C
5	WR
6	RD
7	DB0
8	DB1
9	DB2
10	DB3
11	DB4
12	DB5
13	DB6
14	DB7
15	DB8
16	DB9
17	DB10
18	DB11
19	DB12
20	DB13
21	DB14
22	DB15
23	NC
24	CTP_INT
25	CS
26	RESET
27	DISP_ON
28	NC
29	CTP_SCL
30	CTP_SDA
31	CTP_RST
32	CTP_WAKE
33	VLED-
34	VLED-
35	VLED+
36	VLED+









SCALE 1:100

The non-specified tolerance of dimension is ±0.3mm.