Winstar Display Co., LTD
華凌光電股份有限公司
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SPECIFICATION

CUSTOMER : _____

MODULE NO.: WF43-480272QD#C07-FC

APPROVED BY: **(FOR CUSTOMER USE ONLY)**	**PCB VERSION:** **DATA:**

SALES BY	APPROVED BY	CHECKED BY	PREPARED BY
			葉虹蘭
ISSUED DATE: 2018/06/28			

Represented by:

FIRST Components s.r.l.
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3.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 53.86	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	
TFT Interface	Digital 8080 family MPU 8bit/16bit	
CTP FW Version	3	
CTP IC	FT5426DQ8	
CTP Interface	I2C	
With /Without TP	With CTP	
Surface	Glare	

*Color tone slight changed by temperature and driving voltage.

4.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℃, 90% RH MAX. Temp.＞60℃, Absolute humidity shall be less than 90% RH at 60℃

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9.Interface

9.1. 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	

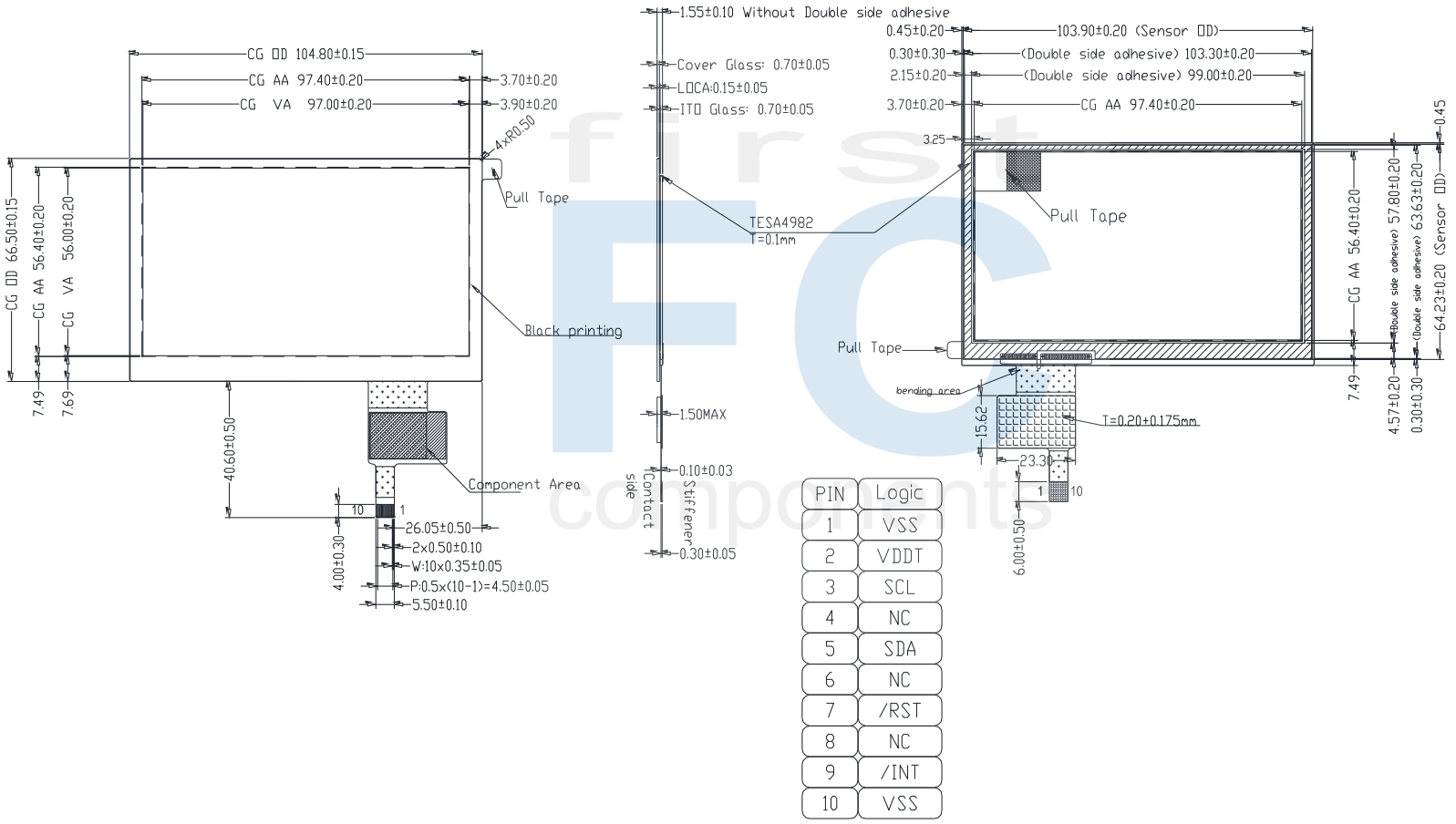
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30	CTP_SDA	Data input I2C data input and output	
31	CTP_RST	External Reset, Low is active	
32	NC	No connection	
33	VLED-	VLED- for B/L LED inverter (GND)	
34	VLED-	VLED- for B/L LED inverter (GND)	
35	VLED+	VLED+ for B/L LED inverter (+3.3V)	
36	VLED+	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

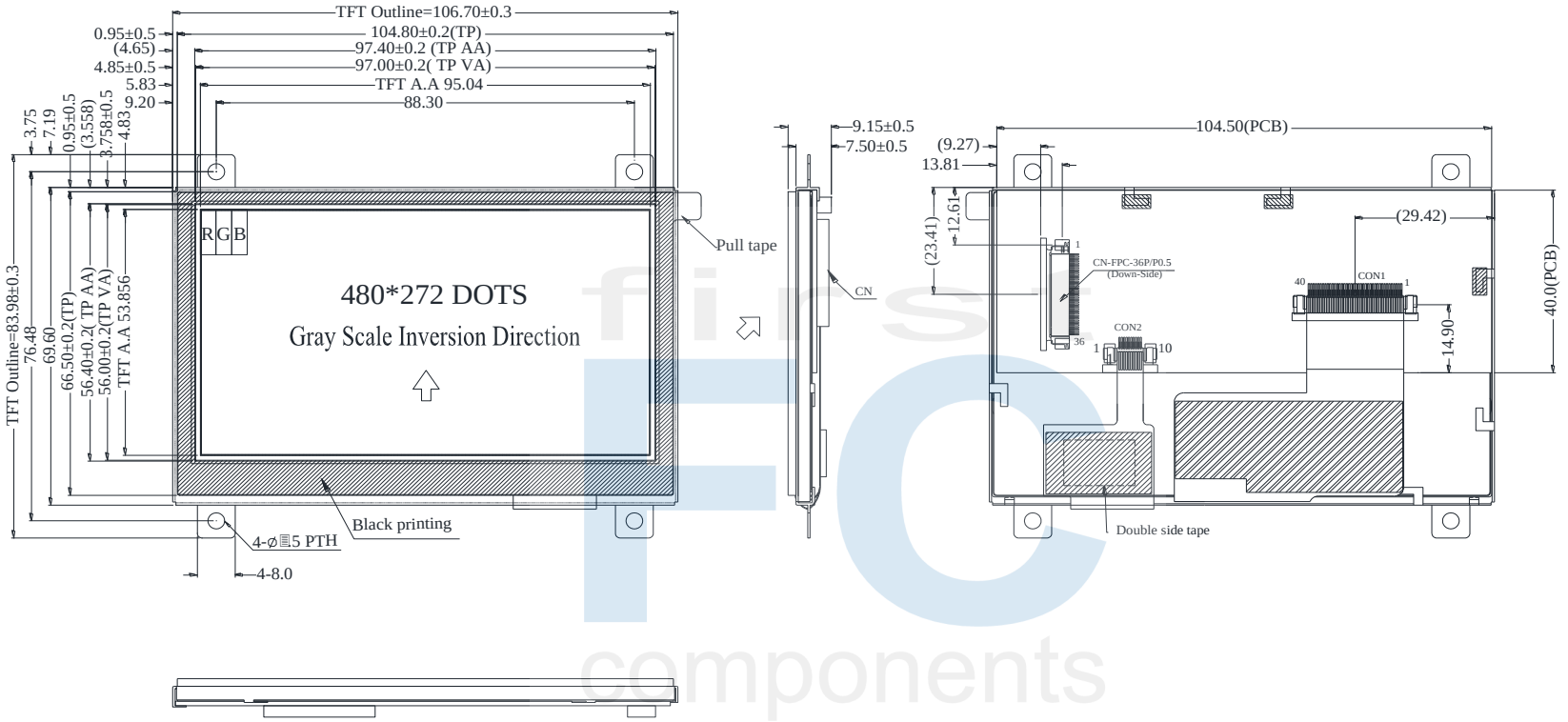
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12.Touch Panel Information



PIN	Logic
1	VSS
2	VDDT
3	SCL
4	NC
5	SDA
6	NC
7	/RST
8	NC
9	/INT
10	VSS

13.Contour Drawing



PIN NO.	SYMBOL
1	GND
2	VDD
3	BL_E
4	D/C
5	WR
6	RD
7	D0
8	D1
9	D2
10	D3
11	D4
12	D5
13	D6
14	D7
15	D8
16	D9
17	D10
18	D11
19	D12
20	D13
21	D14
22	D15
23	NC
24	CTP_INT
25	CS
26	RESET
27	DISP_ON
28	NC
29	CTP_SCL
30	CTP_SDA
31	CTP_RST
32	NC
33	VLED-
34	VLED-
35	VLED+
36	VLED+

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

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