



**WINSTAR Display Co.,Ltd.**  
**華凌光電股份有限公司**



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### SPECIFICATION

**MODULE NO.: WF43QTIBEDBCC#**

### General Specifications

Item	Dimension	Unit
Size	4.3	inch
Dot Matrix	480 x RGB x 272(TFT)	dots
Module dimension	106.7 x 83.98 x 8.78	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	
Interface	Digital 8080 family MPU 8bit/16bit	
PCAP IC	FT5346	
PCAP Interface	I2C	
PCAP FW Version:	JSNTR_033_5x46_Ref_V02_D01_20180622_all	
Touch Panel	PCAP	
Surface	Glare	

\*Color tone slight changed by temperature and driving voltage.

# Absolute Maximum Ratings

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

# Electrical Characteristics

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

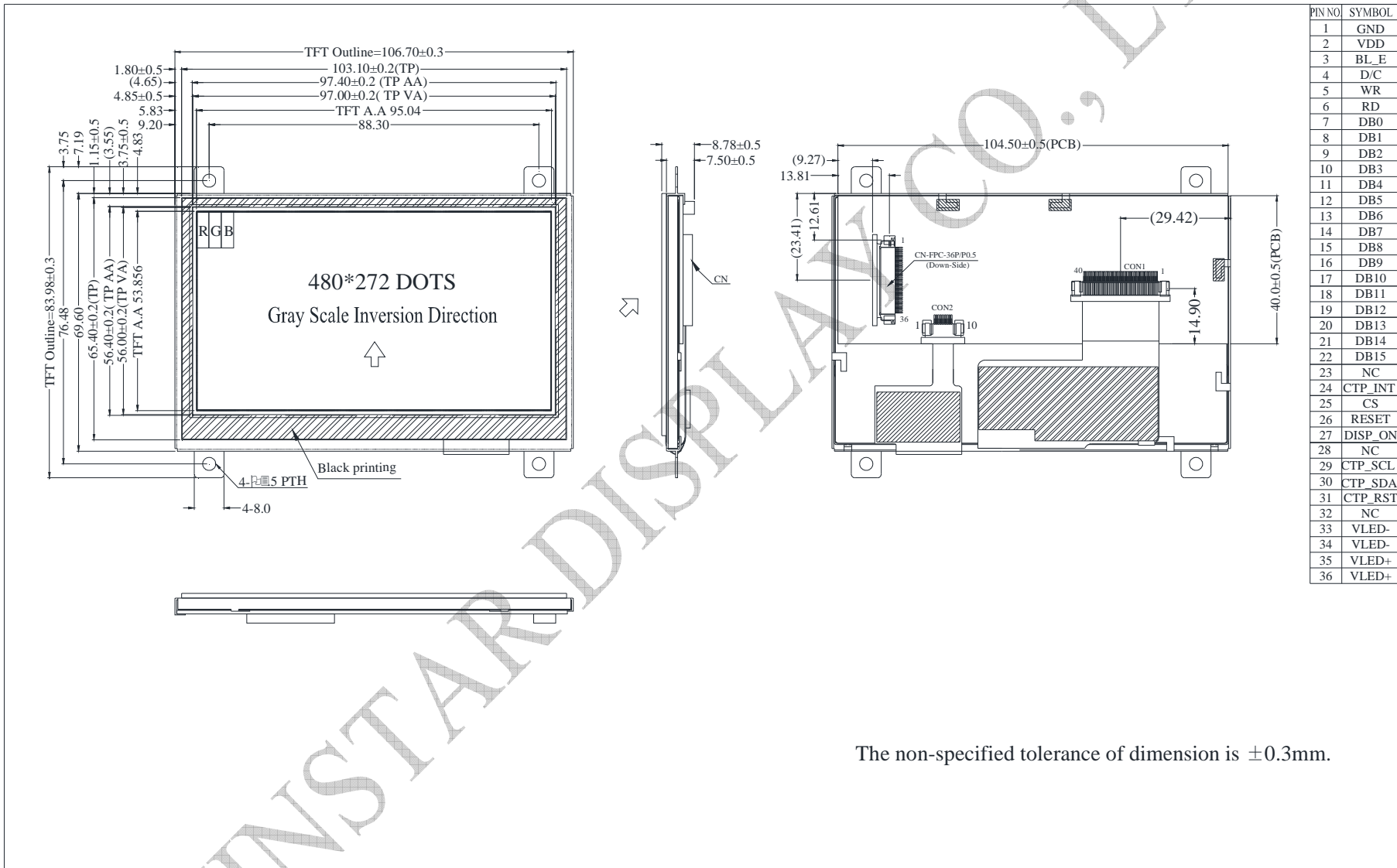
Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage For LCM	VDD	—	3.0	3.1	3.3	V
Supply Current For LCM	IDD	—	—	210	350	mA

# Interface

## LCM PIN Definition (CON3)

Pin	Symbol	Function
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)
16	D9	Data bus (When select 8bits mode, this pin is NC)
17	D10	Data bus (When select 8bits mode, this pin is NC)
18	D11	Data bus (When select 8bits mode, this pin is NC)
19	D12	Data bus (When select 8bits mode, this pin is NC)
20	D13	Data bus (When select 8bits mode, this pin is NC)
21	D14	Data bus (When select 8bits mode, this pin is NC)
22	D15	Data bus (When select 8bits mode, this pin is NC)
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	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)

# Contour Drawing



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