

TFT DISPLAY SPECIFICATION



WINSTAR Display Co.,Ltd.
華凌光電股份有限公司



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SPECIFICATION

MODULE NO.: WF43PTIBEDBGF#

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 11.1(max)	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	RA8875	
Interface	MCU 8080 8/16bit	
PCAP FW Version	0x07.0x00.0x00.0x00.0x01.0x0C.0x11.0x43	
PCAP IC	ILI2130 or equivalent	
PCAP Interface	I2C	
PCAP Resolution	16384*16384	
Touch Panel	Projected Capacitive Touch Panel (PCAP)	
Surface	Glare	

Absolute Maximum Ratings

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

Electrical Characteristics

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

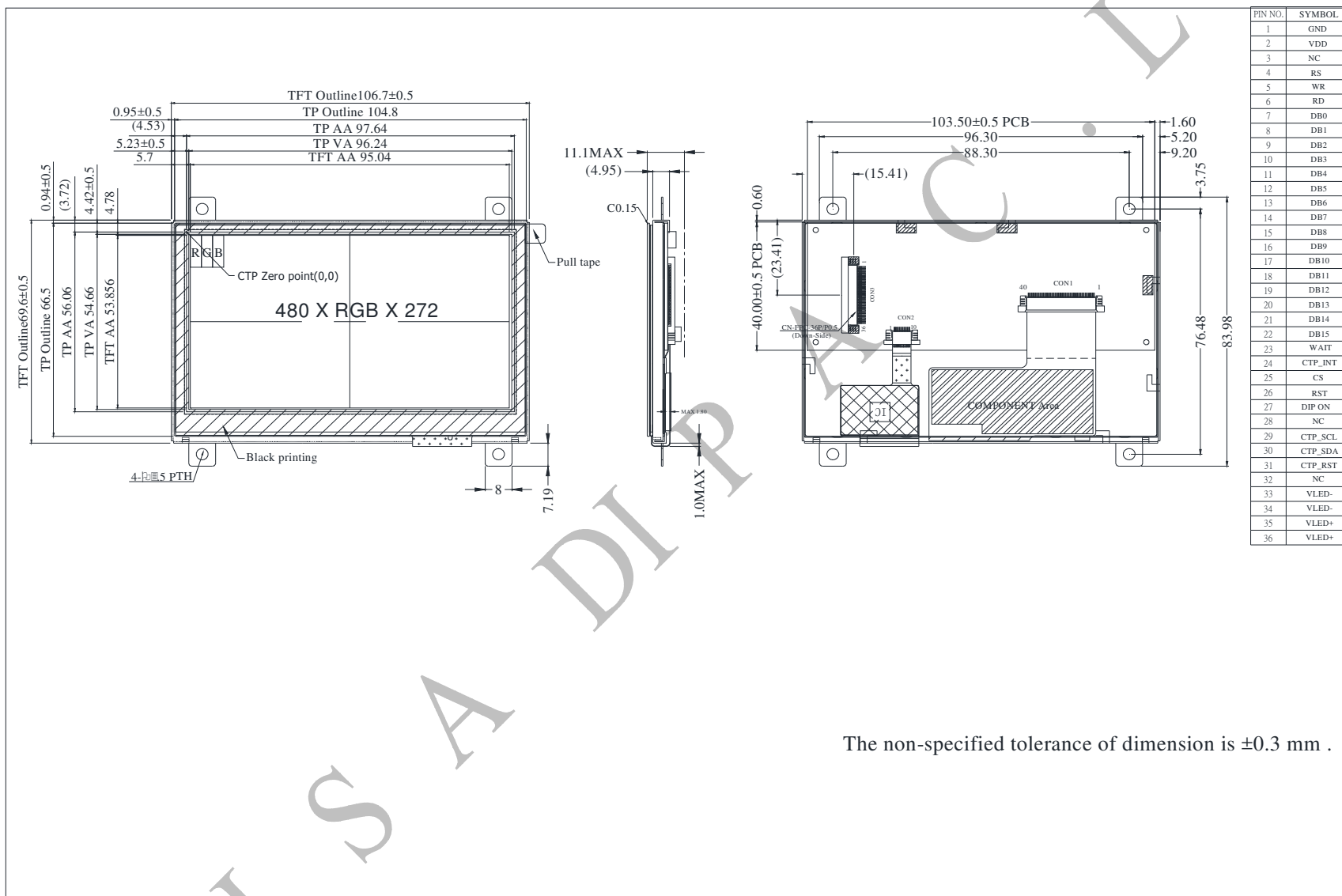
Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage For LCM	VDD	—	3.0	3.3	3.6	V
Supply Current For LCM	IDD	—	—	65	100	mA

Interface

LCM PIN Definition (CON3)

Pin	Symbol	Function
1	GND	System ground
2	VDD	Power Supply : +3.3V
3	NC	No connect
4	RS	Data/Command select
5	WR	Write strobe signal
6	RD	Read strobe signal
7~22	DB0~DB15	Data bus
23	WAIT	Wait Signal Output(H:active)
24	CTP_INT	CTP Interrupt Signal From Touch Panel Module To Host
25	CS	Chip select
26	RST	Hardware reset
27	DIP ON	Display control H: On \ L:Off
28	NC	No connect
29	CTP_SCL	CTP Serial IIC Clock
30	CTP_SDA	CTP Serial IIC Data
31	CTP_RST	CTP Reset Signal
32	NC	No connect
33~34	VLED-	Power for LED backlight cathode
35~36	VLED+	Power for LED backlight anode

Contour Drawing



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