



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



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### SPECIFICATION

**MODULE NO.: WF35PTIBCDBC#**

### General Specifications

Item	Dimension	Unit
Size	3.5	inch
Dot Matrix	320 x RGB x 240	dots
Module dimension	93.5 x 66.44 x 9.86	mm
Active area	70.08 x 52.56	mm
Dot pitch	0.073 x 0.219	mm
LCD type	TFT, Normally White, Transmissive	
View Direction	12 o'clock	
Gray Scale Inversion Direction	6 o'clock	
Aspect Ratio	4:3	
Backlight Type	LED ,Normally White	
Controller IC	RA8875 or Equivalent	
Interface	Digital 8080 family MPU	
CTP IC	FT5426DQ8 or Equivalent	
CTP Interface	I2C	
CTP FW Version:	0x03	
Touch Panel	With Capacitive Touch Panel	
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

Operating conditions: (CON2.Pin1=GND, Pin2=VDD)

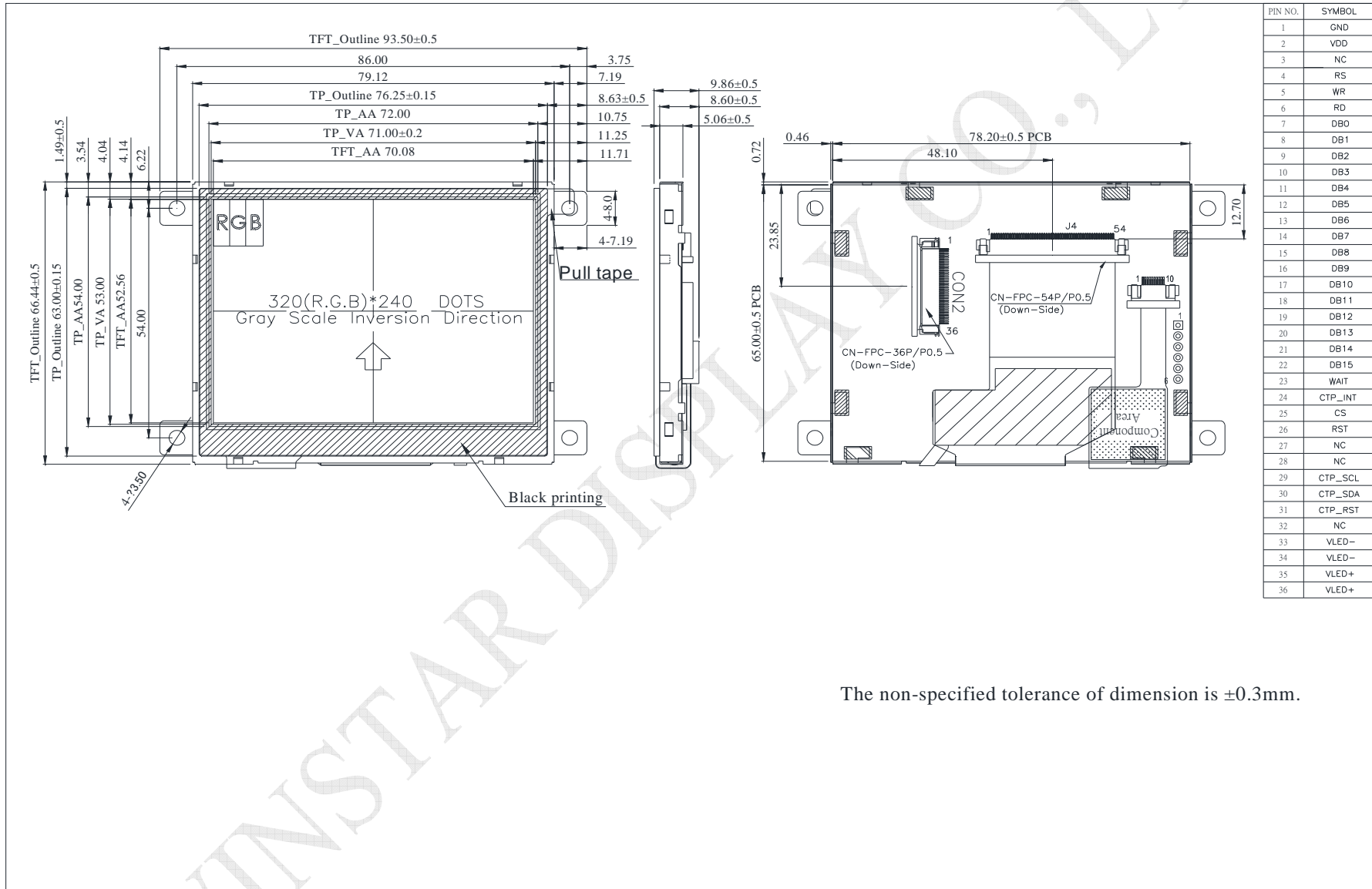
Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage For LCM	VDD	-	3.0	3.3	3.6	V
Supply Current For LCM	IDD	-	-	50	75	mA
Power Consumption		-	-	165	270	mW

# Interface

## LCM PIN Definition (CON2)

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	NC	No connect
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 ±0.3mm.