



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



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WEB: <https://www.winstar.com.tw> E-mail: sales@winstar.com.tw

### SPECIFICATION

**MODULE NO.: WF57PTIBCDBGA#**

### General Specifications

Item	Dimension	Unit
Size	5.7	inch
Dot Matrix	320×RGB×240(TFT)	dots
Module dimension	141.12×101.55×14.535	mm
Active area	115.2×86.4	mm
Dot pitch	0.12×0.36	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	
Interface	Digital 8080 family MPU	
PCAP IC	FT5426	
PCAP Interface	I2C	
PCAP FW Version:	FN058A001_FT5426_V02_20180604_all.bin	
With /Without TP	PCAP	
Surface	Glare	

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

# Absolute Maximum Ratings

Item	Symbol	Values		Unit
		Min	Max	
Power Supply Voltages	VDD	-0.5	3.5	V
Input signal voltage	Logic input	-0.5	3.5	V
Operating Temperature	Topa	-20	70	°C
Storage Temperature	Tst	-30	80	°C
LED Reverse Voltage	Vr	-	1.2	V
LED Forward Current	IF	-	25	mA

# Electrical Characteristics

## 1. Typical operation conditions

Item	Symbol	Values			Unit
		Min	Typ	Max	
Power voltage	VDD	3.0	3.3	3.6	V
Current of driver	IVDD	-	214	-	mA

# Interface

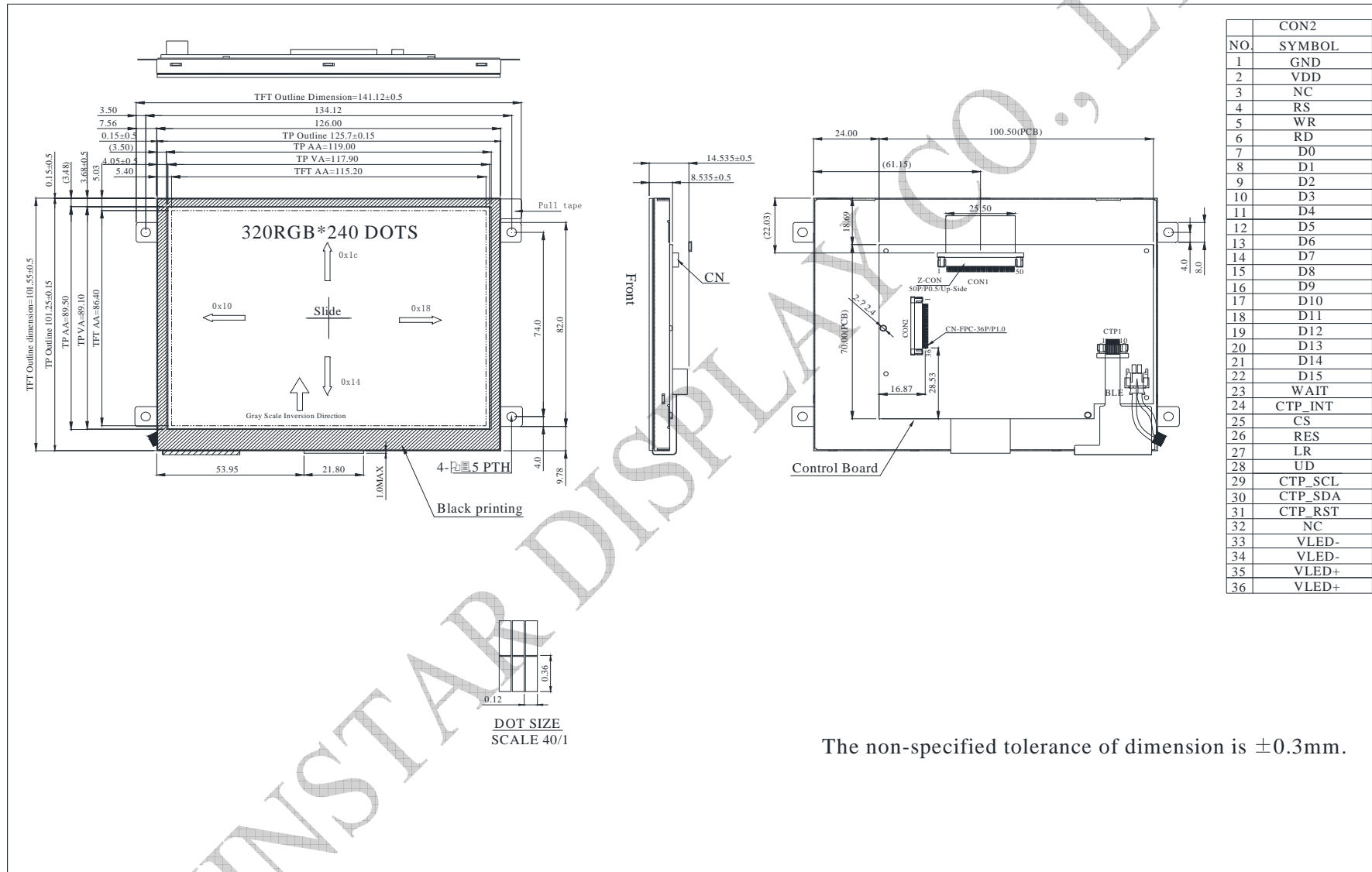
## 1. LCM PIN Definition

### TFT LCD Panel Driving Section

FPC Connector is used for the module electronics interface.

Pin	Symbol	Function
1	GND	System ground
2	VDD	Power Supply : +3.3V
3	NC	No connection
4	RS	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
16	D9	Data bus
17	D10	Data bus
18	D11	Data bus
29	D12	Data bus
20	D13	Data bus
21	D14	Data bus
22	D15	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	L/R	Left / right selection; Default L/R=H
28	U/D	Up/down selection; ; Default U/D=L
29	CTP_SCL	CTP Serial IIC Clock
30	CTP_SDA	CTP Serial IIC Data
31	CTP_RST	CTP Reset Signal
32	NC	No connection
33	VLED-	Power for LED backlight cathode(GND)
34	VLED-	Power for LED backlight cathode(GND)
35	VLED+	Power for LED backlight anode(+5V)
36	VLED+	Power for LED backlight anode(+5V)

# Contour Drawing



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