



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



## SPECIFICATION

**MODULE NO.: WF35UTYAIDNNO#**

### General Specifications

Item	Dimension	Unit
Size	3.5	inch
Dot Matrix	320 x RGB x 480(TFT)	dots
Module dimension	54.5 (W) x 83.0 (H) x 2.46(D)	mm
Active area	48.96 x 73.44	mm
LCD type	TFT, Normally Black, Transmissive	
View Direction	Wide View	
Aspect Ratio	Portrait	
Backlight Type	LED, Normally White	
With /Without TP	Without TP	
Surface	Anti-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:

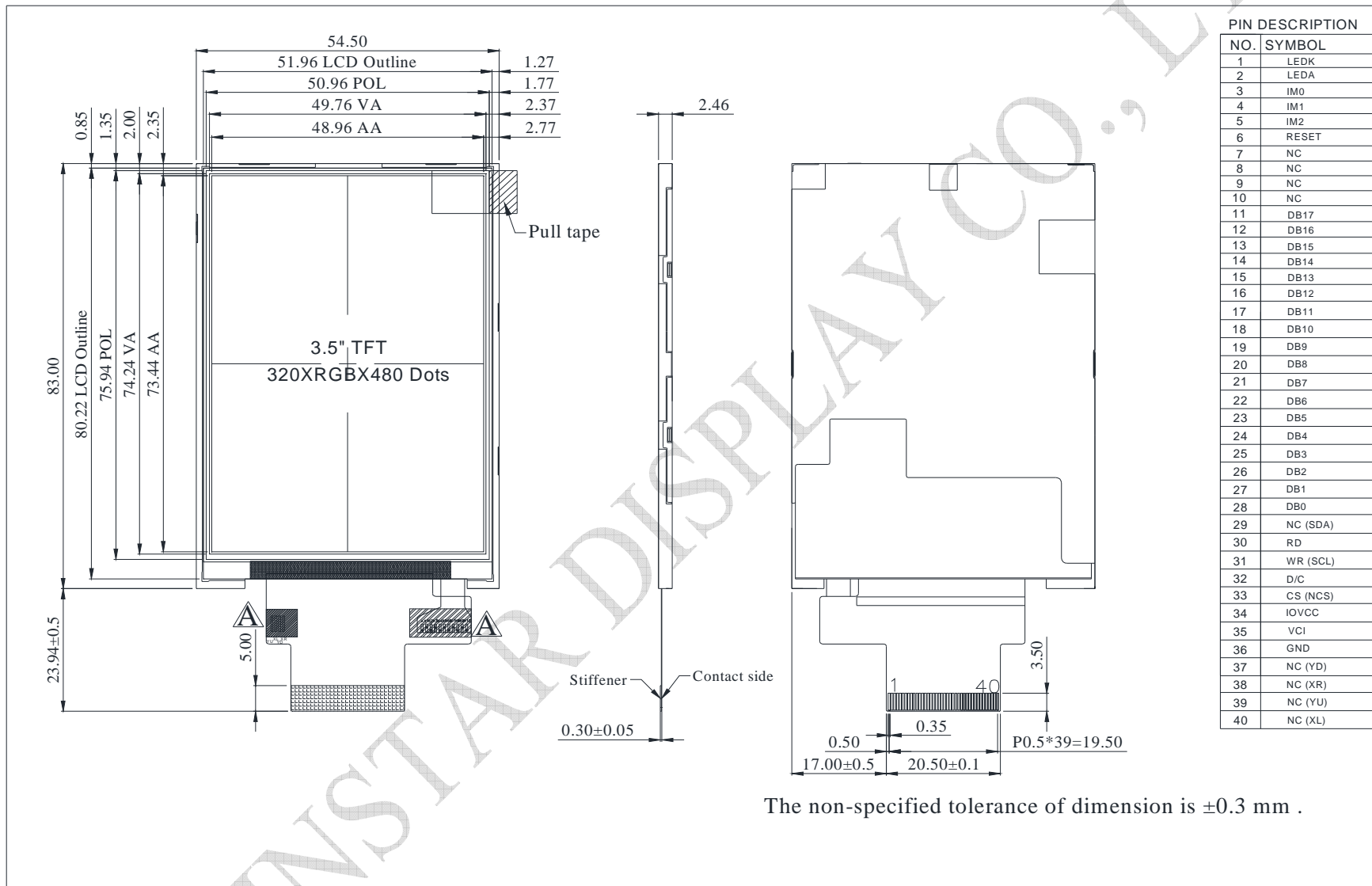
Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage for digital	IOVCC	—	—	1.8/2.8	3.3	V
Supply Voltage for analog	VCI	—	—	2.8	3.3	V
Power Supply for Current	ICC	IOVCC=VCI =VCC=3.3V	—	13.6	—	mA

# Interface

## LCM PIN Definition

NO	Symbol	Function	I/O
1	LEDK	Cathode of LED backlight	P
2	LEDA	Anode of LED backlight.	P
3	IM0	Note 1	I
4	IM1	Note 1	I
5	IM2	Note 1	I
6	RESET	System reset pin.	I
7	NC	No connection	
8	NC	No connection	
9	NC	No connection	
10	NC	No connection	
11-28	DB17-0	Data bus	I/O
29	NC (SDA)	Connection (serial data input/output pin)	I/O
30	RD	Read strobe signal. Read out data when RDX is Low.	I
31	WR (SCL)	Write data when WRX is Low.(serial clock input pin)	I
32	D/C	register select	I
33	CS (NCS)	Chip select signal (serial chip select input pin)	I
34	IOVCC	Power supply(TYP:1.8V/2.8V).	P
35	VCI	Power supply(TYP:2.8V).	P
36	GND	Ground	P
37	NC (YD)	No connection	
38	NC (XR)	No connection	
39	NC (YU)	No connection	
40	NC (XL)	No connection	

# Contour Drawing



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