



RAYSTAR

曜凌光電股份有限公司

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RFI350U-AYW-DNN

SPECIFICATION

General Specifications

- 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

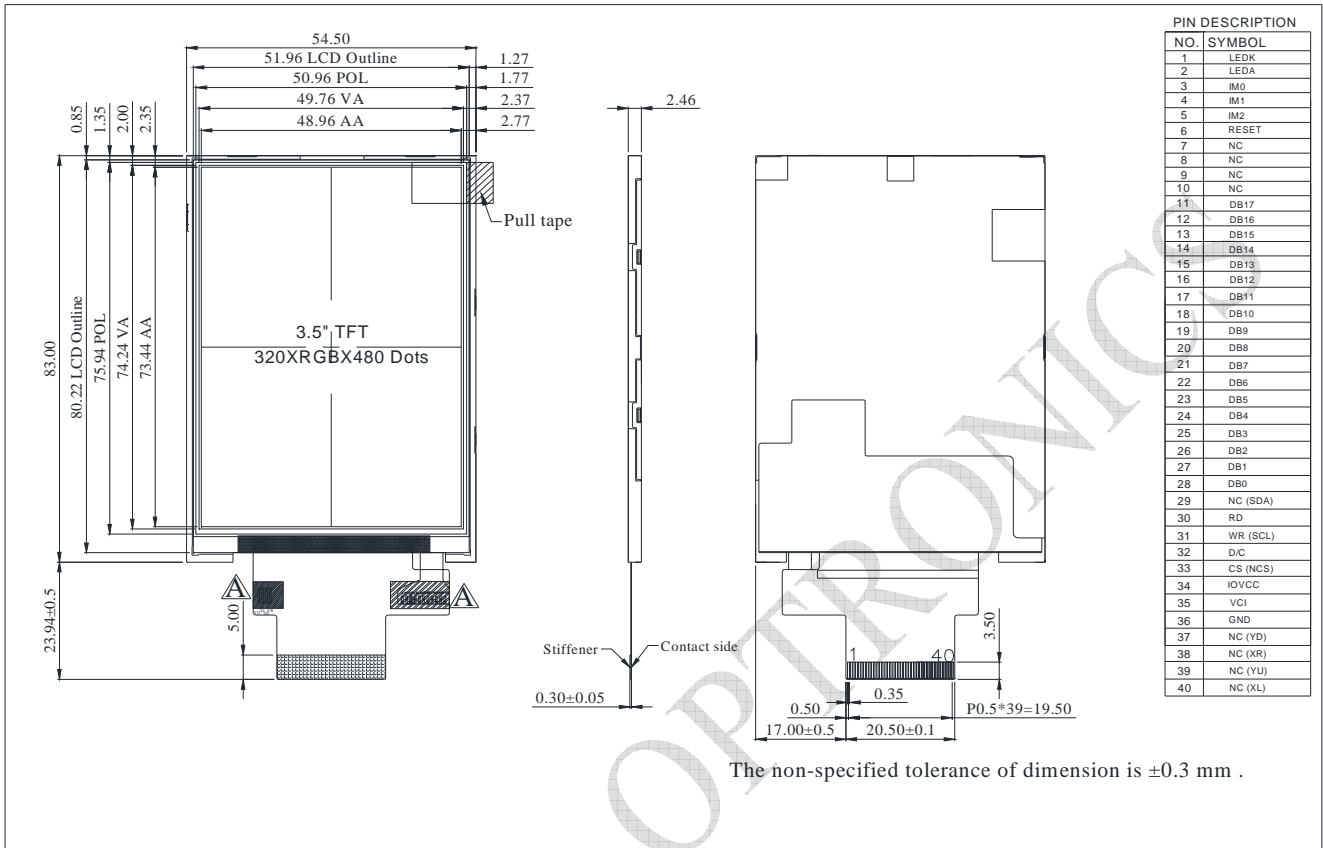
*Color tone slight changed by temperature and driving voltage.

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



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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

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

2. LED driving conditions

Parameter	Symbol	Min	Typ	Max	Unit
LED current	—	—	160	—	mA
LED voltage	LEDA	2.6	3.0	3.4	V
LED Life Time	—	—	50000	—	Hr