



RAYSTAR

曜凌光電股份有限公司

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RFC570S-AIW-DNS

SPECIFICATION

General Specifications

- Size: 5.7 inch
- Dot Matrix: 320 x 240 dots
- Module dimension: 160.0 x 109.0 x 8.5 mm
- Active area: 115.2 x 86.4 mm
- Dot pitch: 0.36 x 0.36 mm
- LCD type: TFT, Positive, Transmissive
- View Direction: 12 o'clock
- Gray Scale Inversion Direction: 6 o'clock
- Gray Scale: 16 Gray scale (4BPP)/ 4 Gray scale (2BPP)/ 2 Gray scale (1BPP)
- Driver IC: ST7511U
- Backlight Type: LED, Normally White
- With /Without TP: With RTP
- Surface: Anti-Glare

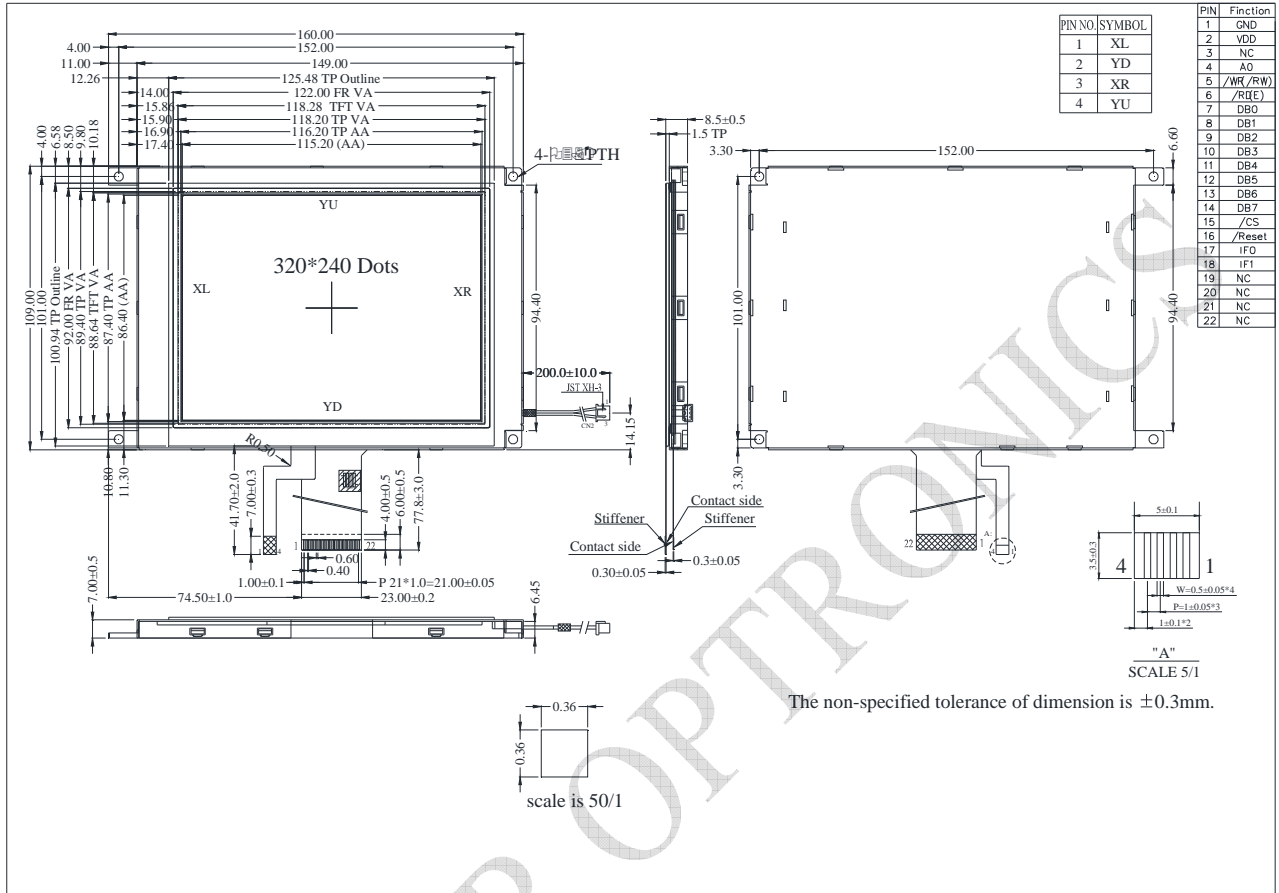
* Mono tone slight changed by temperature and driving voltage.

Interface

LCM PIN Definition

Pin	Symbol	Function
1	GND	System ground
2	VDD	Power Supply : +3.3V
3	NC	No connect
4	A0	Data/Command select
5	/WR(R/W)	Write strobe signal
6	/RD(E)	Read strobe signal
7	DB0	Data bus
8	DB1	Data bus
9	DB2	Data bus
10	DB3	Data bus
11	DB4	Data bus
12	DB5	Data bus
13	DB6	Data bus
14	DB7	Data bus
15	/CS	Chip select
16	/RESET(RSTB)	Hardware reset
17	IF0	Mode select
18	IF1	
19	NC	No connect
20	NC	No connect
21	NC	No connect
22	NC	No connect

Contour Drawing



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 LCM	VDD	—	3.0	3.3	3.6	V
Supply Current For LCM	IDD	—	—	20	30	mA
Power Consumption	—	—	—	66	108	mW

LED driving conditions

Parameter	Symbol	Min	Typ	Max	Unit
LED current		-	140	-	mA
Power Consumption		1120	-	1386	mW
LED voltage	VLED+	8.0	9.0	9.9	V
LED Life Time		-	50,000	-	Hr