



RAYSTAR

曜凌光電股份有限公司

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RFJ240H-ALW-DNN

SPECIFICATION

General Specifications

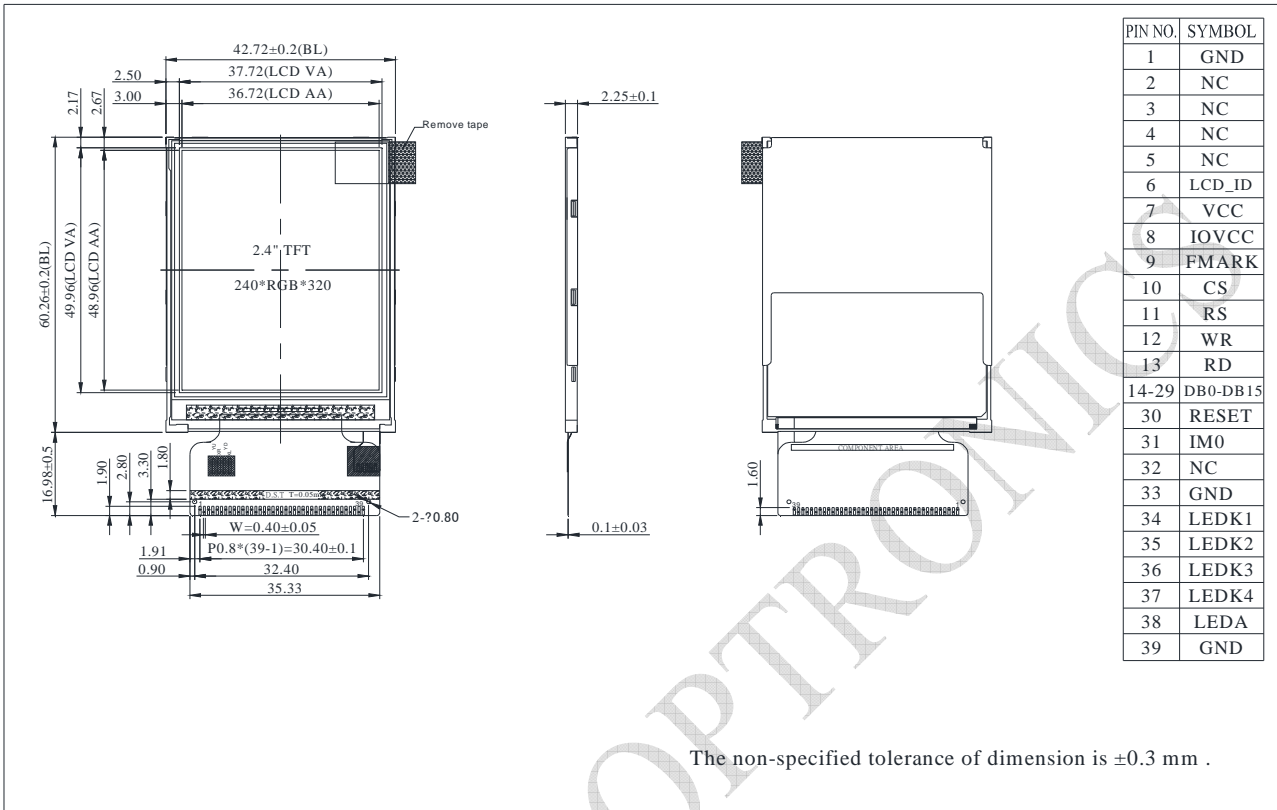
- Size: 2.4"
- Dot Matrix: 240 x RGB x 320(TFT) dots
- Module dimension: 42.72(W) x 60.26(H) x 2.25(D) mm
- Active area: 36.72 x 48.96 mm
- Dot pitch: 0.051 x 0.153 mm
- LCD type: TFT, Normally White, Transmissive
- View Direction: 6 o'clock
- Gray Scale Inversion Direction: 12 o'clock
- Aspect Ratio: Portrait
- Backlight Type: LED, Normally White
- With /Without TP: Without TP
- Surface: Glare

Interface

LCM PIN Definition

NO	Symbol	Function	I/O
1	GND	Ground	P
2-5	NC	No connect	-
6	LCD_ID	No connect	-
7	VCC	power supply(TYP:2.8V).	P
8	IOVCC	power supply(TYP:1.8V/2.8V).	P
9	FMARK	Synchronies MCU to frame rate	I
10	CS	Chip select signal.	I
11	RS	register select	I
12	WR	Write data when WRX is Low.	I
13	RD	Read strobe signal. Read out data when RDX is Low.	I
14-29	DB0- DB15	Data bus	I/O
30	RESET	System reset pin.	I
31	IM0	Data interface select IM0= IOVCC 16Bit DB0-DB15 IM0= GND 8Bit DB8-DB15	I
32	NC	No connect	-
33	GND	Ground	P
34-37	LEDK1-K4	Cathode of LED backlight.	P
38	LEDA	Anode of LED backlight.	P
39	GND	Ground	P

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 Analog	VCC	—	2.4		3.3	V
Supply Voltage For Logic	VCCIO		1.65		3.3	V
Supply Current For LCM	ICC	—	—	5	7.5	mA

LED driving conditions

Parameter	Symbol	Min	Typ	Max	Unit
LED current		-	80	-	mA
Power Consumption		-	256	-	mW
LED voltage	VBL+	2.8	3.2	3.4	V
LED Life Time		-	50,000	-	Hr