



RAYSTAR

曜凌光電股份有限公司

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RFI350H-ALW-DNN

SPECIFICATION

General Specifications

- Size: 3.5 inch
- Dot Matrix: 320 x RGB x 480(TFT) dots
- Module dimension: 54.5 (W) x83.0 (H) x 2.1(D) mm
- Active area: 48.96 x 73.44 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: Anti-Glare

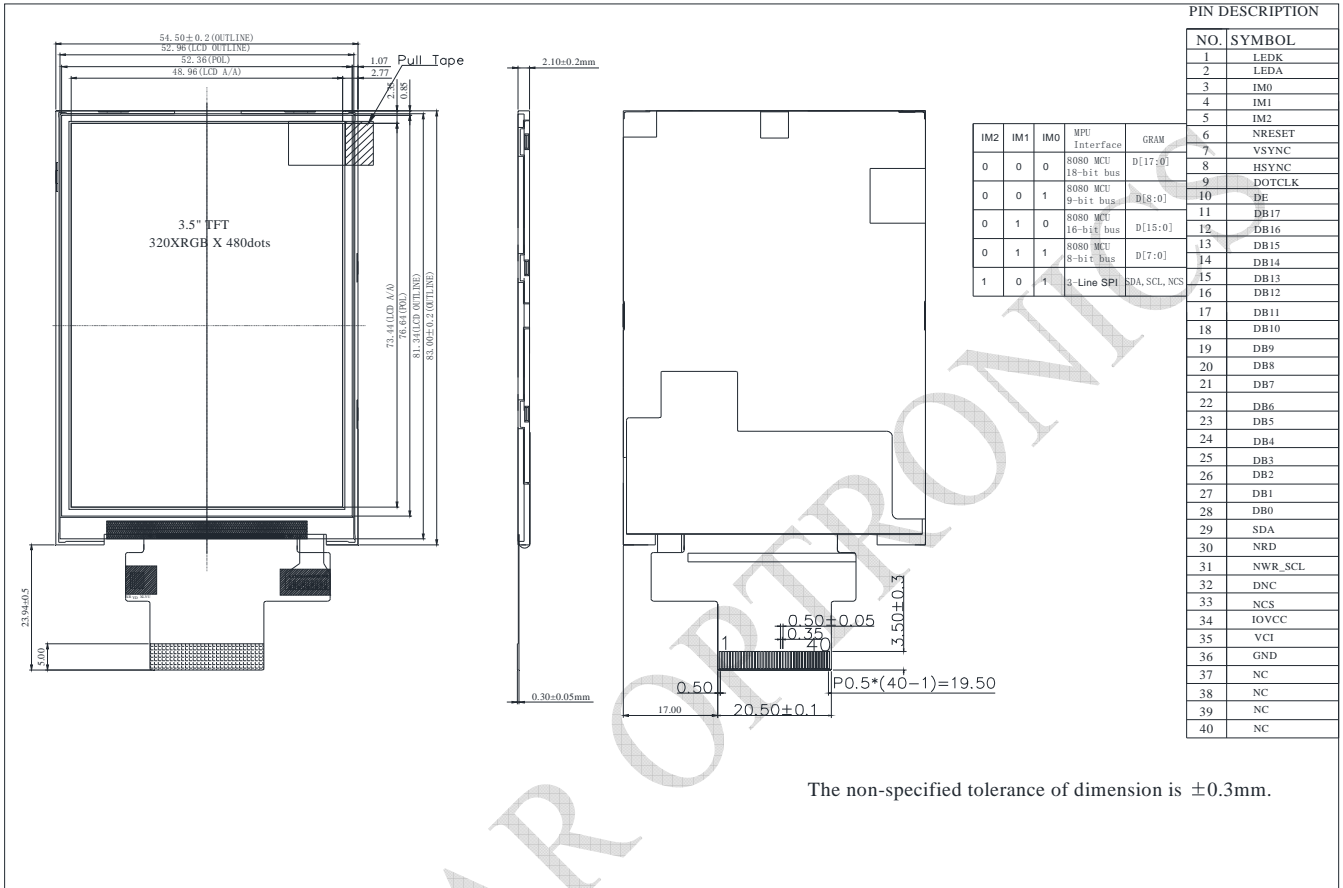
*Color tone slight changed by temperature and driving voltage.

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	NRESET	System reset pin.	I
7	VSYNC	Frame synchronizing signal	I
8	HSYNC	Line synchronizing signal	I
9	DOTCLK	Dot clock signal	I
10	DE	A data ENABLE input signal	I
11-28	DB17-0	Data bus	I/O
29	SDA	serial data input/output bi-direction pin	I/O
30	NRD	Read strobe signal. Read out data when RDX is Low.	I
31	NWR_SCL	Write data when WRX is Low.	I
32	DNC	register select	I
33	NCS	Chip select signal	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	Connection	
38	NC	Connection	
39	NC	Connection	
40	NC	Connection	

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	Type	Max	Unit
Input high voltage	Vih		0.8V _{DD}	-	V _{DD}	V
Input low voltage	Vil		-0.3	-	0.2V _{DD}	V
Output high voltage	Voh	Ioh=-0.1mA	0.8V _{DD}	-	-	V
Output low voltage	Vol	Iol=0.1mA	GND	-	0.2V _{DD}	V
Input leakage current	Iil	Vin=0--Vdd	-0.1	-	0.1	μA
Current consumption	Idd	-	-	13.6	-	mA

LED driving conditions

Parameter	Symbol	Min	Typ	Max	Unit
LED current	—	—	160	—	mA
LED voltage	VBL+	—	3.2	—	V
LED Life Time	—	—	20000	—	Hr