

2.4" TFT LCD MODULE

Model: NL240002C1

Size: 2.4 inches

Configuration: CTC + ST7789

Resolution: 240 * 320

Angle of view: 70 °

Operating temperature: -20 ~ 70 ° C

Storage temperature: -30 ~ 80 ° C

Backlight brightness: 500 CD / M2

PIN number: 40 PIN

Interface: RGB18 bit+SPI



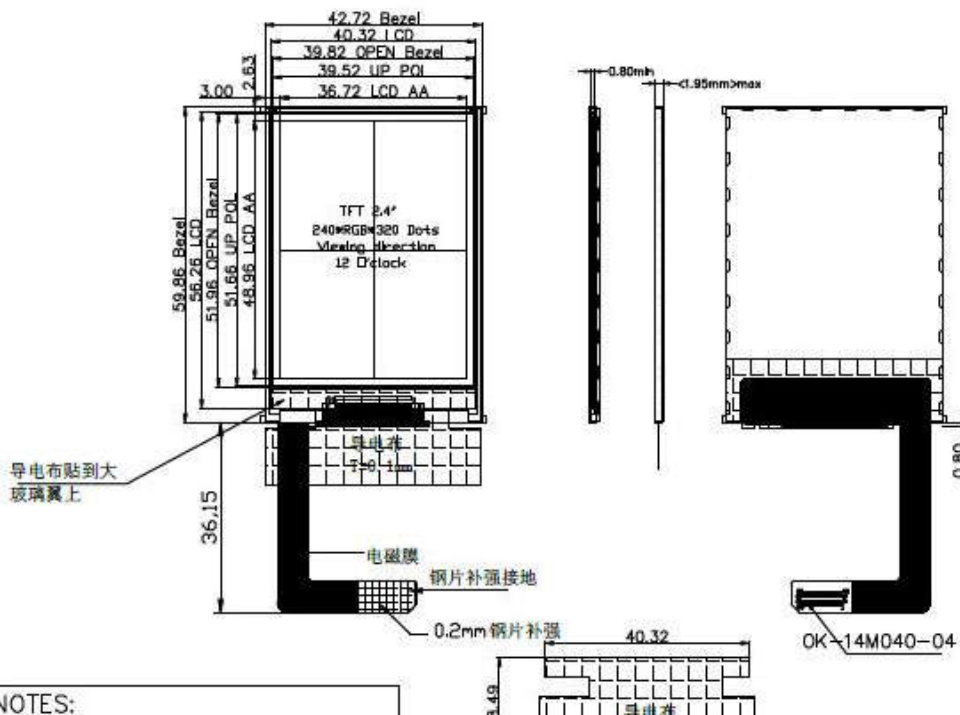
Series :	2.4" lcd display
Model :	NL240002C1
Keywords Desc. :	2.4 inch 240*320 TFT LCD display, 40 pins SPI/RGB 500cd/m2
Product Class :	Graphic LCD Display
Product Tags :	Color TFT-LCD
Panel Type :	a-Si TFT-LCD
Panel Composition :	LCM
Panel Size :	2.4"
Resolution :	240×320
Aspect Ratio :	3:4 (W:H)
Form Factor :	Flat Rectangle Display
Orientation :	Portrait type
Active Area :	36.72 (W) × 48.96 (H) mm (A.A)
Outline Dimension :	42.72 (W) × 59.86 (H) mm
Max. Depth :	1.95 mm
LC Family :	TN
Polarizer :	Transmissive
Brightness :	500 (Typ.)
Contrast Ratio :	300:1 (Typ.)

Viewing Angle :	45/45/45/25 (L/R/U/D)
Viewing Direction :	12 o'clock
Colors Amount :	262K
Backlight Type :	WLED
Interface Type :	CPU/RGB
Interface Pins :	40 Pins
Touch Panel :	Without
Operating Temp. :	-20 ~ 70 °C
Storage Temp. :	-30 ~ 80 °C

2. Mechanical Characteristics

VER.	DESCRIPTION	DATE
#0	THE FIRST ISSUE	2016.04.07
#1	增加上铁框, 更改FPC结构	2016.06.01
#2	更改铁框总厚度为1.55mm(max)	2016.07.01

1	LEDK1
2	LEDK2
3	LEDA
4	LEDA
5	VCC_LCD_2V85
6	DISP_RD/NC
7	DISP_FRAME
8	DISP_REST
9	DISP_VSYNC
10	DISP_HSYNC
11	DISP_DOTCLK
12	DISP_ENABLE
13	DISP_RS_SCL
14	DISP_WR D/CX
15	DISP_CS
16	DISP_SDI
17	DISP_SDO/NC
18	DISP_D17 R5
19	DISP_D16 R4
20	GND
21	DISP_D15 R3
22	DISP_D14 R2
23	DISP_D13 R1
24	DISP_D12 R0
25	DISP_D11 G5
26	DISP_D10 G4
27	DISP_D9 G3
28	DISP_D8 G2
29	DISP_D7 G1
30	DISP_D6 G0
31	GND
32	DISP_D0 B0
33	DISP_D1 B1
34	GND
35	DISP_D2 B2
36	DISP_D3 B3
37	GND
38	DISP_D4 B4
39	DISP_D5 B5
40	GND



NOTES:

Note: If you need the complete datasheet, please contact us.