



SPECIFICATIONS

MODEL NO.	ES9G009-PI013TH
TYPE	TFT-LCD display MODULE 240(RGB) *240 PIXELS
SAMPLE NO.	V01

- ☒Preliminary Specification
- ☐Final Specification

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RECORDS OF REVISION

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1. GENERAL SPECIFICATION

1.1 Description

The ES9G009-PI013TH is a color active matrix Thin Film Transistor (TFT) Liquid Crystal Display (LCD) that uses amorphous silicon(a-Si) TFT as a switching device. This model is composed of a single 1.3 inches transmissive type main TFT-LCD panel. The resolution of the panel is 240RGBx240 pixels and can display up to 262k color.

1.2 Feature

- IPS type for main TFT-LCD panel
- Structure COG+FPC+BL+CG
- Full, Normal (Still), Partial, Sleep mode are available

1.3 Application

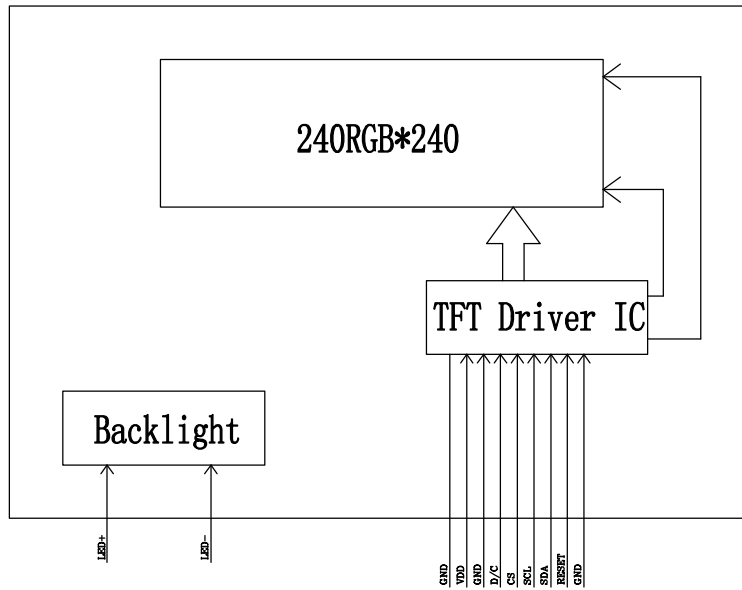
- Display terminals for industrial equipment.

1.4 General Specification

No.	Item	Specification	Unit	Remark
1	LCD Size	1.3	inch	-
2	Panel Type	a-Si TFT	-	-
3	Resolution	240 x (RGB) x 240	pixel	-
4	Display Mode	Normally black	-	-
5	Display Number of Colors	262k	-	-
6	Viewing Direction	ALL	-	Note
7	Contrast Ratio	800(TYP)	-	-
8	Luminance	300	cd/m ²	-
9	Module Size	26.17(W) x29.22(L) x 2.77(T)	mm	Note
10	Active Area	23.4(W) x 23.4(L)	mm	Note
11	Pixel pitch	0.0975(W) x 0.0975 (L)	mm	-
12	Weight	TBD	g	-
13	Driver IC	ST7789V	-	-
14	Light Source	2 LEDs White	-	-
15	Interface	SPI	-	-
16	Operating Temperature	-20~70	°C	-
17	Storage Temperature	-30~80	°C	-

Note: Please refer to the mechanical drawing.

2. BLOCK DIAGRAM



3. MECHANICAL DRAWING

