

SPECIFICATION FOR LCD MODULE

Customer : _____

CustomerP/N _____

Model No. : _____ ESHXS97692A-DI035TN

Version : _____ 01

Date : _____ 2020-11-30

Final Approval by Customer

LCM Machinery OK ☐	Checked By	
LCM Display OK ☐	Checked By	
LCM NG ☐ LCM OK ☐	Approved By	

Confirmed :

DESIGN	CHECK	APPROVAL



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1. GENERAL SPECIFICATION

1.1 Description

The ESHX S97692A-DI035TN 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 3.5 inches transmissive type main TFT-LCD panel. The resolution of the panel is 320 x 480(HVGA) pixels and can display up to 65K color.

1.2 Feature

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

1.3 Application

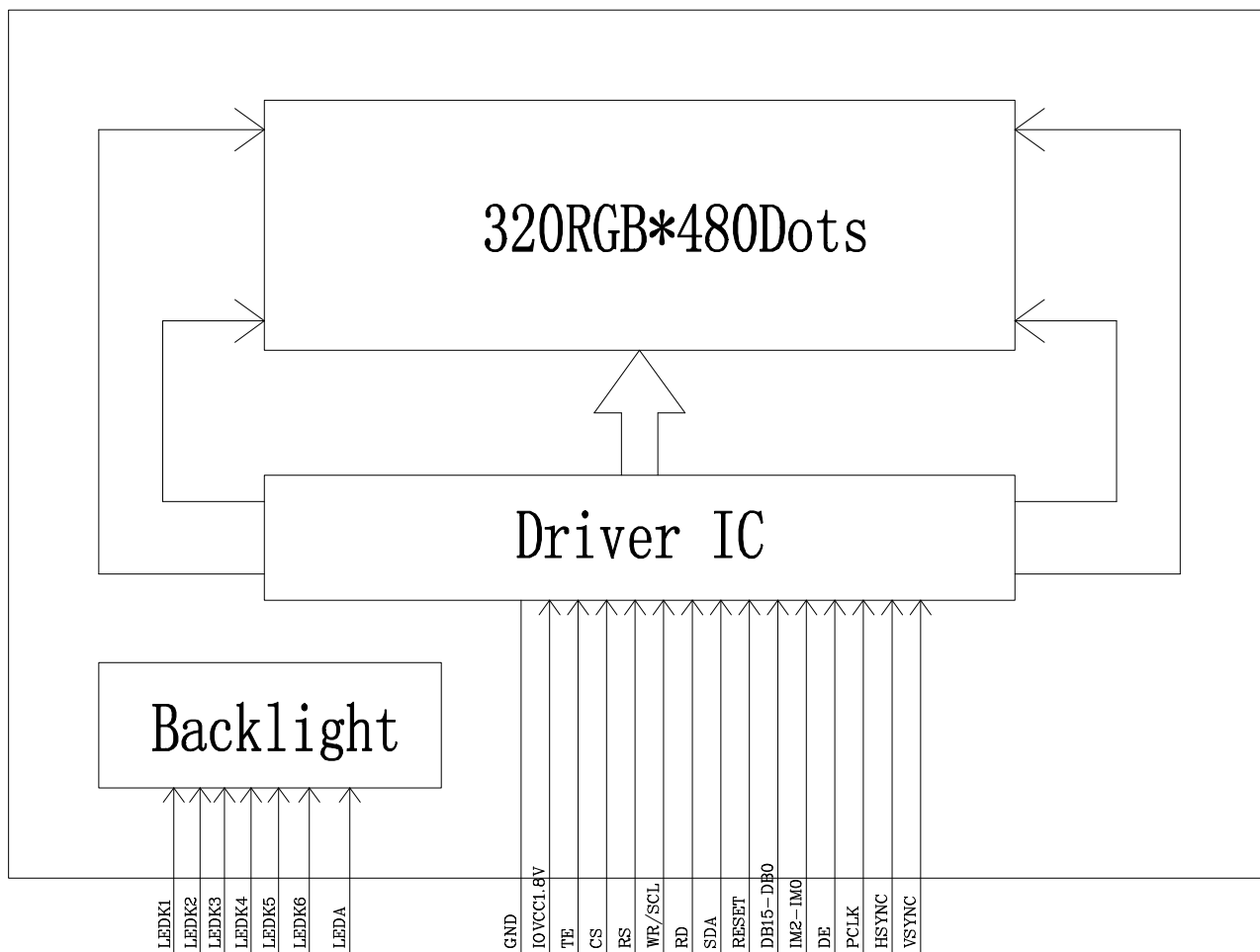
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1.4 General Specification

No.	Item	Specification	Unit	Remark
1	LCD Size	3.5	inch	-
2	Panel Type	a-Si TFT active matrix	-	-
3	Resolution	320 x (RGB) x 480	pixel	-
4	Display Mode	Normally Black, Transmissive	-	-
5	Display Number of Colors	65K	-	-
6	Viewing Direction	ALL	-	Note
7	Contrast Ratio	700(TYP.)	-	-
8	Luminance	---	cd/m2	-
9	Module Size	54.48(H) x 84.71(V) x 2.3(T)	mm	Note
10	Active Area	48.96(H) x 73.44(V)	mm	Note
11	Pixel Pitch	51 x 153	um	-
12	Weight	TBD	g	-
13	Driver IC	ST7796U	-	-
14	Driver IC RAM Size	320x480x18	bit	-
15	Light Source	6 LEDs White	-	-
16	Interface	MCU 8080 /SPI+RGB	-	-
17	Operating Temperature	-20~70	°C	-
18	Storage Temperature	-30~80	°C	-

Note: Please refer to the mechanical drawing.

2. BLOCK DIAGRAM



3. MECHANICAL DRAWING

