



1. GENERAL DESCRIPTION

1.1 Description

KWH080TG06-F01 is a Transmissive type color active matrix liquid crystal display (LCD), which uses amorphous thin film transistor (TFT) as switching devices. This product is composed of a TFT LCD panel, driver ICs, FPC, a backlight unit and touch screen. The following table described the features of FORMIKE KWH080TG06-F01

1.2 Application

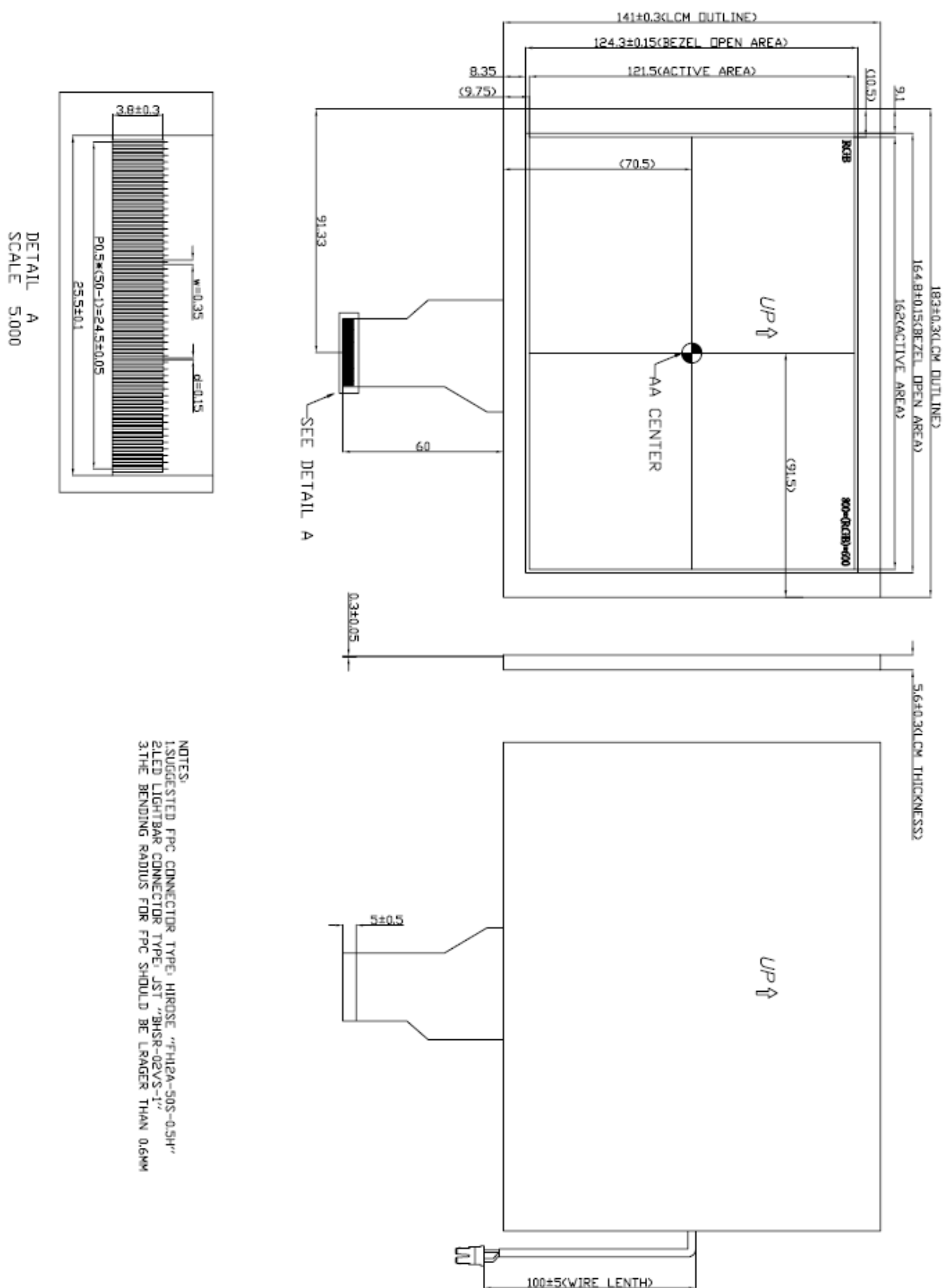
Armairium, Mobile Internet Device(MID), Multimedia products, GPS. Navigation device and other electronic Products
Etc.

1.3 Features:

Feature	Description
Size	8.0 inches (Diagonal)
Display Mode	Normally White, Transmissive
Surface Treatment	Anti Glare
Resolution	800 (RGB) x 600
Display Format	R.G.B. Stripe
Color Depth	16.7M
Interface	RGB 24bits with T-con
Technology Type	a-Si
Outline Dimension (W x H x D) (mm)	183 x 141 x 5.6
Active Area(W x H mm)	162 x 121.5
Pixel pitch(mm)	202.5 x 202.5
With/Without TSP	Without TSP
Weight (g)	TBD



2. Mechanical Drawing





2 Input/Output Terminals

2.1 CN1 of FPC

Pin No.	Symbol	I/O	function	Remarks
1	NC	-	No connection	-
2	NC	-	No connection	
3	NC	-	No connection	
4	NC	-	No connection	
5	GND	P	Power ground	-
6	V _{COM}	I	Common voltage	
7	VCC	P	Power for digital circuit	
8	MODE	I	DE/SYNC mode select	
9	DE	I	DATA INPUT Enable	
10	VS	I	VERTICAL SYNC INPUT	
11	HS	I	Horizontal Sync Input	
12	B7	I	Blue data(MSB)	
13	B6	I	Blue data	
14	B5	I	Blue data	
15	B4		Blue data	
16	B3	I	Blue data	
17	B2	I	Blue data	
18	B1		Blue data	
19	B0	I	Blue data(LSB)	
20	G7	I	Green data(MSB)	
21	G6	I	Green data	
22	G5	I	Green data	
23	G4	I	Green data	
24	G3	I	Green data	
25	G2	I	Green data	
26	G1	I	Green data	
27	G0	I	Green data(LSB)	
28	R7	I	RED data(MSB)	
29	R6	I	RED data	
30	R5	I	RED data	
31	R4	I	RED data	
32	R3	I	RED data	
33	R2	I	RED data	
34	R1	I	RED data	
35	R0	I	RED data(LSB)	
36	GND	P	Power ground	



37	DCLK	I	Sample clock	
38	GND	I	Power ground	
39	L/R	I	Left/right selection	
40	U/D	I	Up/down selection	
41	V _{GH}	P	Gate on voltage	
42	V _{GL}	P	Gate off voltage	
43	AV _{DD}	P	Power for analog circuit	
44	RESET	I	Global reset pin	
45	NC	-	No connection	
46	V _{COM}	I	Common voltage	
47	DITHB	I	Dithering function	
48	GND	P	Power ground	
49	NC	-	No connection	
50	NC	-	No connection	

Note: I/O definition.

I---Input pin, O---Output pin, P--- Power/Ground, N--- No Connection

2.2 CN2 of LED BLU Connector

Matching Connector of BHSR-02VS-1

Pin	Symbol	I/O	Description	Remark
1	LED+	P	LED Anode	Red Cable
2	LED-	P	LED Cathode	White Cable

2.3 U/D R/L Function Description

Scan Control Input		Scanning Direction
UPDN	SHLR	
GND	VCC	Up to Down, Left to Right
VCC	GND	Down to Up, Right to Left
GND	GND	Up to Down, Right to Left
VCC	VCC	Down to Up, Left to Right