



# FORMIKE ELECTRONIC CO.,LTD

## PRODUCT SPECIFICATION

TFT LCD MODULE

MODEL : KWH060TG01-F01 Ver 1.0

【 ◆ 】 Preliminary Specification

【     】 Finally Specification

CUSTOMER'S APPROVAL	
SIGNATURE:	DATE:

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- This specification is subject to change without notice.Please contact FORMIKE or it's representative before designing your product based on this specification.

**1. General Specifications**

	<b>Feature</b>	<b>Spec</b>
<b>Display Spec.</b>	Size	6.0 inch
	Resolution	800(RGB) x 480
	Interface	RGB 24 bits with TCON
	Color Depth	16M
	Technology Type	a-Si
	Pixel Pitch (mm)	0.1665x0.1538
	Pixel Configuration	R.G.B. Vertical Stripe
	Display Mode	With Normally White
	Surface Treatment(Up Polarizer)	Anti Glare
	Surface Treatment(TSP)	Anti Glare
	Viewing Direction	12 o'clock
	Gray Scale Inversion Direction	6 o'clock
<b>Mechanical Characteristics</b>	LCM (W x H x D) (mm)	145.50x87.80x3.50
	Active Area(mm)	133.20x73.80
	With /Without TSP	Without TSP
	Weight (g)	TBD
	LED Numbers	21 LEDs

Note 1: Viewing direction for best image quality is different from TFT definition, there is a 180 degree shift.

Note 2: Requirements on Environmental Protection: RoHS

Note 3: LCM weight tolerance:  $\pm 5\%$



## 2. Input/Output Terminals

### 2.1 TFT LCD Panel

No	Symbol	I/O	Description	Comment
1	VLED-	P	LED light cathode	
2	VLED+	P	LED light anode	
3	GND	P	Ground	
4	VDD	P	Power supply 3.3V	
5	R0	I	Red data	
6	R1	I	Red data	
7	R2	I	Red data	
8	R3	I	Red data	
9	R4	I	Red data	
10	R5	I	Red data	
11	R6	I	Red data	
12	R7	I	Red data	
13	G0	I	Green data	
14	G1	I	Green data	
15	G2	I	Green data	
16	G3	I	Green data	
17	G4	I	Green data	
18	G5	I	Green data	
19	G6	I	Green data	
20	G7	I	Green data	
21	B0	I	Blue data	
22	B1	I	Blue data	
23	B2	I	Blue data	
24	B3	I	Blue data	
25	B4	I	Blue data	
26	B5	I	Blue data	
27	B6	I	Blue data	
28	B7	I	Blue data	
29	GND	I	Ground	
30	PCLK	I	Clock signal	
31	DISP	I	Display on/off	
32	HSYNC	I	Horizontal Synchronize signal	
33	VSYSN	I	Vertical Synchronize signal	
34	DE	I	Enable signal	
35	NC	-	No use	
36	GND	P	Ground	
37	X1	O	Touch Panel Right side	
38	Y1	O	Touch Panel Bottom side	
39	X2	O	Touch Panel Left side	
40	Y2	O	Touch Panel Top side	

Note: I/O definition:

I----Input    O----Output    P----Power/Ground



### 8. Mechanical Drawing

