



FORMIKE ELECTRONIC CO.,LTD

PRODUCT SPECIFICATION

TFT LCD MODULE

MODEL : KWH020TG06-F01 Ver 1.0

【 ◆ 】 Preliminary Specification

【 】 Finally Specification

CUSTOMER'S APPROVAL	
SIGNATURE:	DATE:

APPROVED BY	PM REVIEWD	PD REVIEWD	PREPARED BY
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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

	Feature	Spec
Display Spec.	Size	2.0 inch
	Resolution	240(RGB) x 320
	Interface	CPU 16 bits
	Color Depth	65K/262K
	Technology Type	a-Si
	Pixel Pitch (mm)	0.126X0.126
	Pixel Configuration	R.G.B. Vertical Stripe
	Display Mode	With Normally White
	Surface Treatment(Up Polarizer)	Clear Type(3H)
	Viewing Direction	9 o'clock
	Gray Scale Inversion Direction	3 o'clock
Mechanical Characteristics	LCM (W x H x D) (mm)	35.70 x 51.20 x 2.15
	Active Area(mm)	30.24 x 40.32
	With /Without TSP	Without TSP
	Weight (g)	TBD
	LED Numbers	3 LEDs
Electronic	Driver IC	HX8367A

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: Q/S0002

Note 3: LCM weight tolerance : +/- 5%



2 Input/Output Terminals

2.1 TFT LCD Panel

No	Symbol	I/O	Description	Remark
1	GND	P	Ground	
2	XL(NC)	--	No Connection	
3	YU(NC)	--	No Connection	
4	XR(NC)	--	No Connection	
5	YD(NC)	--	No Connection	
6	VCC	P	Power supply	
7	VCC	P	Power supply	
8	IM0(NC)	--	No Connection	
9	IM3(NC)	--	No Connection	
10	/RESET	I	Reset Signal	
11	/CS	I	Chip select	
12	RS	I	Register select	
13	/WR	I	Write signal	
14	/RD	I	Read signal	
15	NC	--	No Connection	
16	DB0	I	Data Bus	
17	DB1	I	Data Bus	
18	DB2	I	Data Bus	
19	DB3	I	Data Bus	
20	DB4	I	Data Bus	
21	DB5	I	Data Bus	
22	DB6	I	Data Bus	
23	DB7	I	Data Bus	
24	NC	-	No Connection	
25	DB8	I	Data Bus	
26	DB9	I	Data Bus	
27	DB10	I	Data Bus	
28	DB11	I	Data Bus	



29	DB12	I	Data Bus	
30	DB13	I	Data Bus	
31	DB14	I	Data Bus	
32	DB15	I	Data Bus	
33	GND	P	No Connection	
34	GND	P	No Connection	
35	LED_K1	P	LED Cathode	
36	LED_K2	P	LED Cathode	
37	LED_K3	P	LED Cathode	
38	LED_A	P	LED Anode	
39	GND	P	Ground	

Note 1: I/O definition:

I----Input O---Output P----Power (Ground) NC---No Connection



3 Mechanical Drawing

