



FORMIKE ELECTRONIC CO.,LTD

PRODUCT SPECIFICATION

TFT LCD MODULE

MODEL : KWH060TG02-F01 Ver 1.0

【 ◆ 】 Preliminary Specification

【 】 Finally Specification

CUSTOMER'S APPROVAL	
SIGNATURE:	DATE:

APPROVED BY	PM REVIEWD	PD REVIEWD	PREPARED BY
Kam	/	Stephen	Roy

Prepared By :

FORMIKE ELECTRONIC CO.,LTD

Address :Room A818 New Energy Building, NanHai Road, NanShan District, ShenZhen, China. 518054

TEL:(86) 755 88306921,88306931 FAX:(86) 755 88304615

Http:// www.wandisplay.com

- 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	6.0 inch
	Resolution	800(RGB) x 480
	Interface	TTL RGB 24 bits
	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
	Viewing Direction	12 o'clock
	Gray Scale Inversion Direction	6 o'clock
Mechanical Characteristics	LCM (W x H x D) (mm)	145.50x87.80x5.40
	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: +/- 5%



2 Input/Output Terminals

2.1 CN1 of FPC

Matching Connector of FH28S-60S-0.5SH (HIROSE)

Pin	Symbol	I/O	Description	Remark
1	AGND	P	Ground	
2	AVDD	P	Analog Power	
3	VCC	P	Digital Power Supply	
4	R0	I	Red Data(LSB)	
5	R1	I	Red Data	
6	R2	I	Red Data	
7	R3	I	Red Data	
8	R4	I	Red Data	
9	R5	I	Red Data	
10	R6	I	Red Data	
11	R7	I	Red Data	
12	G0	I	Green Data(LSB)	
13	G1	I	Green Data	
14	G2	I	Green Data	
15	G3	I	Green Data	
16	G4	I	Green Data	
17	G5	I	Green Data	
18	G6	I	Green Data	
19	G7	I	Green Data	
20	B0	I	Blue Data(LSB)	
21	B1	I	Blue Data	
22	B2	I	Blue Data	
23	B3	I	Blue Data	
24	B4	I	Blue Data	
25	B5	I	Blue Data	
26	B6	I	Blue Data	
27	B7	I	Blue Data	
28	DCLK	I	Clock Input	



29	DE	I	Data Enable Signal	
30	HSD	I	Horizontal Sync Input. Negative Polarity	
31	VSD	I	Vertical Sync Input. Negative Polarity	
32	MODE	I	DE/SYNC Mode Select. H: SYNC mode, L: DE mode	
33	RSTB	I	Global Reset Pin	
34	STBYB	I	Standby Mode Select H: normal operation, L: standby mode	
35	SHLR	I	Source Right or Left Sequence Control	
36	VCC	P	Digital Power	
37	UPDN	I	Gate Up or Down Scan Control	
38	GND	P	Ground	
39	AGND	P	Ground	
40	AVDD	P	Analog Power	
41	VCOM	I	Common Voltage Input	
42	DITH	I	Dithering Setting. H: 6bit Resolution, L: 8bit Resolution	
43	NC	N	No Connection	
44	NC	N	No Connection	
45	V10	I	Gamma Voltage 10	
46	V9	I	Gamma Voltage 9	
47	V8	I	Gamma Voltage 8	
48	V7	I	Gamma Voltage 7	
49	V6	I	Gamma Voltage 6	
50	V5	I	Gamma Voltage 5	
51	V4	I	Gamma Voltage 4	
52	V3	I	Gamma Voltage 3	
53	V2	I	Gamma Voltage 2	
54	V1	I	Gamma Voltage 1	
55	NC	N	No Connection	
56	VGH	P	Positive Power for TFT	
57	VCC	P	Digital Power	
58	VGL	P	Negative Power for TFT	
59	GND	P	Ground	



8 Mechanical Drawing

