

产 品 承 认 书
SPECIFICATION FOR APPROVAL

CUSTOMER MODEL NO.	
WEITAI MODEL NO.	WTL078401G05-24M
TYPE	LCD MODULE, 400*(RGB)1280

WEITAI			CUSTOMER
PREPARED	CHECKED	APPROVED	APPROVED
彭辉	林素真	吴尚俭	

本规格承认书请确认签章后回传一份

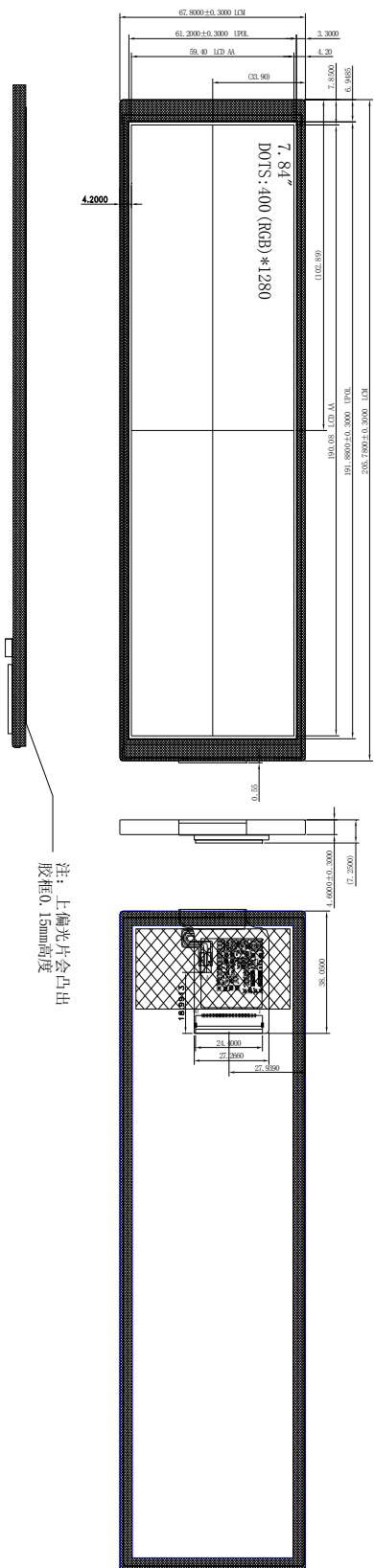
二、目录

[illegible]

三、变更记录

[illegible]

四、模组成品图纸



注：上偏光片会凸出胶框0.15mm高度

7. Circuit Diagram: $6 \times 4 = 24$



Notes:

1. Rohs must be complied.
2. ~~Modification~~ rev. number
3. Draft angle 1.0° : 
4. " * " ICON MEAN IMPORTANT DIM.
5. All radii without dimension R0.3, Unspecified Tolerances is: ± 0.3
6. Driver IC: OTA7290B

6. Driver IC: OJA7290B					
	Luminance Uniformity Colour Coordinate	Lv Avg X Y	75 80 0.26 0.26	ccd/m ² % 	I _F = mA (動作電流) Measure tolerance: Luminance: ±5% Colour coordinate: ±0.008 Voltage: ±0.1V
	Forward Voltage	Vf	9.0	10.8 11.8	V
	● Operating Temperature: -20~+70° C ● Storage Temperature: -30~+80° C				
	● Storage condition Recommended: temperature (25±5° C) and humidity (65RH)				
NEW ISSUE			2016. 09. 20		
AMENDMENT			DATE		
COUNTERSIGN:					
APPROVED :					

MODEL NO.:	WT1.078401G04-2AM	REV:	Y00
CUSTOMER S NO.:		REV:	0
SHEET	SCALE	THE THIRD ANGLE PROJECTION	
1 of 1	1 : 1		UNIT: mm
DESIGN:			
CHECKED:			
COUNTERSIGN:			
APPROVED:			

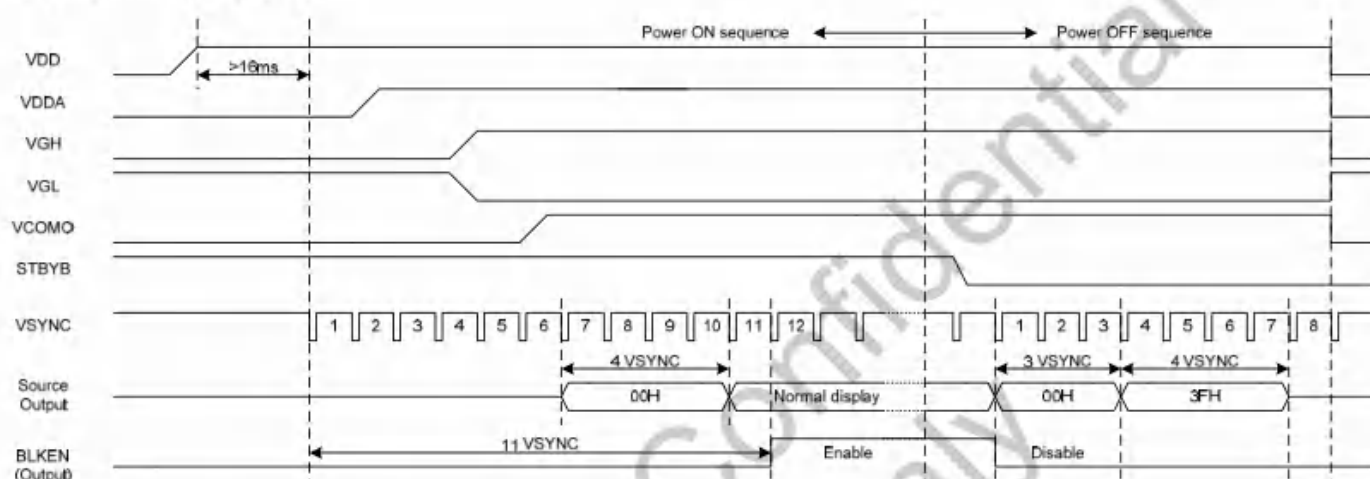
五、PIN 定义

Pin No.	Symbol	Functional	Notes
1	GND	Ground	
2	NOP	MIPI data input	
3	D0N	MIPI data input	
4	GND	Ground	
5	D1P	MIPI data input	
6	D1N	MIPI data input	
7	GND	Ground	
8	CLKP	MIPI data input	
9	CLKN	MIPI data input	
10	GND	Ground	
11	D2P	MIPI data input	
12	D2N	MIPI data input	
13	GND	Ground	
14	D3P	MIPI data input	
15	D3N	MIPI data input	
16	GND	Ground	
17	GND	Ground	
18-23	NC	No connection	
24	RSTB	Global reset pin	
25	STBYB	Standby mode, Normally pulled high	
26	NC	No connection	
27	GND	Ground	
28-29	BL-K	Back light-K	
30	GND	Ground	
31	NC	No connection	
32-33	GND	Ground	
34	NC	No connection	
35-36	BL-A	Back light-A	
37	GND	Ground	
38-39	VDD	Power supply for digital circuits +3.3V input	
40	NC	No connection	

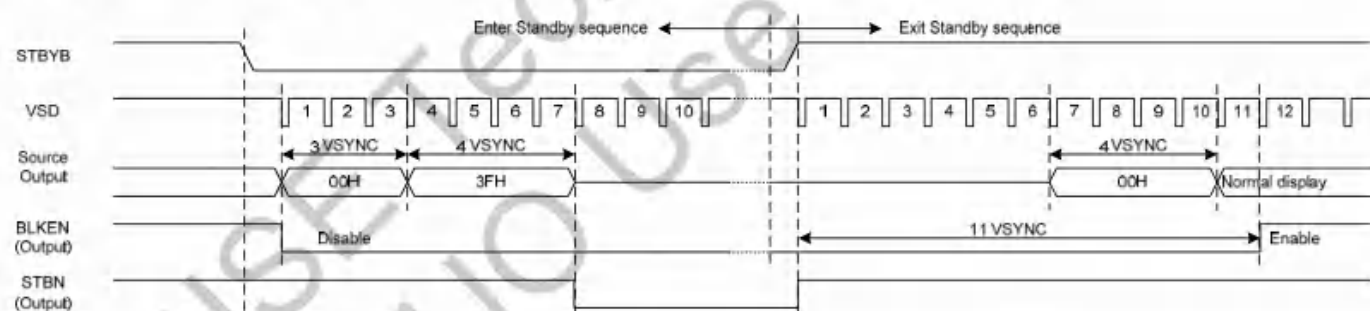
六、Porch 设定/上电时序

Parameter↴	Symbol↴	Min.↴	Typ.↴	Max.↴	Unit↴
MIPI data frequency↴	FDATA↴	280↴	300↴	999↴	Mbps↴
Horizontal display area↴	THD↴	400↴			pixel↴
HS period time↴	TH↴	475↴	510↴	750↴	pixel↴
HS pulse width↴	THPW↴	5↴	30↴	50↴	pixel↴
HS back porch↴	THBP↴	35↴	40↴	100↴	pixel↴
HS front porch↴	THFP↴	35↴	40↴	200↴	pixel↴
Vertical display area↴	TVD↴	1280↴			H↴
VS period time↴	TV↴	1330↴	1360↴	1630↴	H↴
VS pulse width↴	TVPW↴	10↴	20↴	50↴	H↴
VS back porch↴	TVBP↴	20↴	30↴	100↴	H↴
VS front porch↴	TVFP↴	20↴	30↴	200↴	H↴

Power-On/Off Timing Sequence:



Enter and Exit Standby Mode Sequence:



3 Electrical Specifications

Table 3 Electrical Specifications

No.	Item	Min	Typ	Max	Unit
1	Vcom voltage	4.2	4.76	5.2	V
2	Frame Rate	55	56	60	Hz
3	VGH voltage	18	19	20	V
4	VGL voltage	-7	-8	-9	V
5	AVDD	9.85	10	10.15	V
6	VDD	3.0	3.3	3.6	V
A	VCC	1.6	1.8	1.9	V

特别提示：

1, AVDD和VCOM 由排线控制脚接3.3V同步输入与输出, 由DC/DC升压出来AVDD 10V,VCOM从10V中分压出来, 主板不需要供VCOM和AVDD。

2, VCC采用的是IC 内部提供, 主板此PIN可以NC, 不需要供电。

Note (1) VGH is TFT gate operating voltage

Note (2) VGL is TFT gate operating voltage

Note (3) Vcom must be adjusted to optimize display quality: Crosstalk, Contrast Ratio etc.

Note (4) Environmental condition: 25±5 °C

Note (5) We just kindly recommend the setting-voltage as the reference value. In order to get the

optimized display quality, the setting-voltage should be changed as based on customer's developing condition.