深圳市维泰世纪光电有限公司

CUSTOMER MODEL NO.	
WEITAI MODEL NO.	HWTA102601G01-18M
TYPE	LCD MODULE,10.26" IPS 600*(RGB)1600 车载智慧屏

WEITAI			**CUSTOMER**
PREPARED	**CHECKED**	**APPROVED**	**APPROVED**
陈腾飞	汪伟平	吴尚俭	

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本规格承认书请确认签章后回传一份

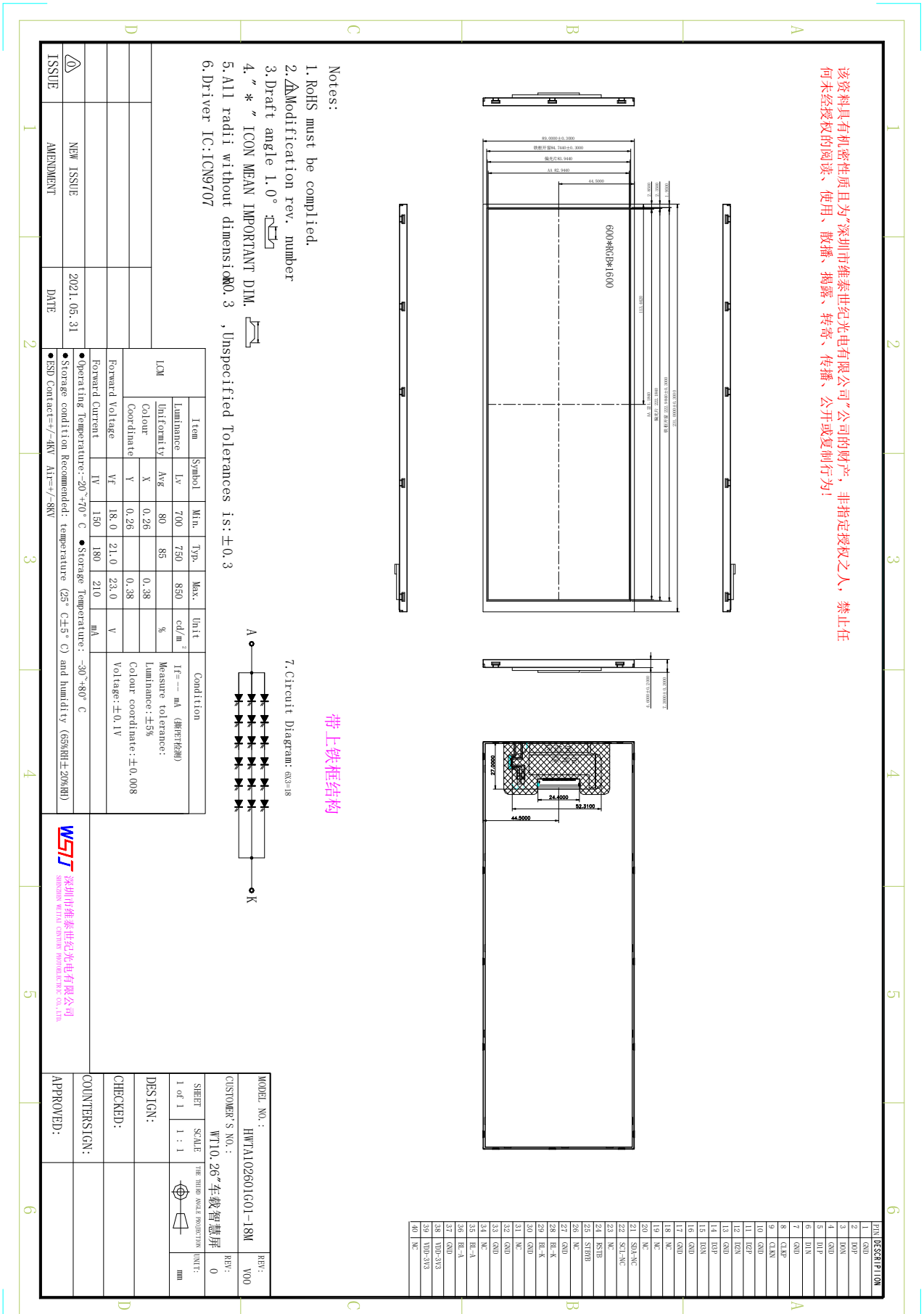
二、目录

目　　录		
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三、变更记录

变更记录表				
变更序号 Change No.	日期 Date	内容及理由 Subject And Reason	版本号 Version No.	负责人 Responser
1	2021.06.01	首次发行	A0	

四、模组成品图纸


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带上铁框结构
Notes:
1. RoHS must be compiled.
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:ICN9707
7. Circuit Diagram: 6X3=18
PIN DESCRIPTION
1 GND
2 DOP
3 DON
4 GND
5 DIP
6 DIN
7 GND
8 CLKP
9 CLKN
10 GND
11 DZP
12 DZN
13 GND
14 D3P
15 D3N
16 GND
17 GND
18 NC
19 NC
20 NC
21 SDA-NC
22 SCL-NC
23 NC
24 RSTB
25 STBYB
26 NC
27 GND
28 BL-K
29 BL-K
30 GND
31 NC
32 GND
33 GND
34 NC
35 BL-A
36 BL-A
37 GND
38 VDD-3V3
39 VDD-3V3
40 NC
Item | Symbol | Min. | Typ. | Max. | Unit | Condition
LCM
Luminance | Lv | 700 | 750 | 850 | cd/m² | If=— mA (斯贝特检测)
Uniformity | Avg | 80 | 85 | | % | Measure tolerance: Luminance:±5%
Colour Coordinate | X | 0.26 | | 0.38 | | Colour coordinate:±0.008
Y | 0.26 | | 0.38
Forward Voltage | Vf | 18.0 | 21.0 | 23.0 | V | Voltage:±0.1V
Forward Current | IV | 150 | 180 | 210 | mA
● Operating Temperature:-20~+70° C ● Storage Temperature: -30~+80° C
● Storage condition Recommended: temperature (25° C±5° C) and humidity (65%RH±20%RH)
● ESD Contact=+/-4KV Air=+/-8KV
ISSUE | AMENDMENT | DATE
NEW ISSUE | 2021.05.31
MODEL NO.: HWTA102601G01-18M | REV: V00
CUSTOMER'S NO.: WT10.26"车载智慧屏 | REV: 0
SHEET 1 of 1 | SCALE 1 : 1 | THE THIRD ANGLE PROJECTION | UNIT: mm
DESIGN:
CHECKED:
COUNTERSIGN:
APPROVED:
深圳市维泰世纪光电有限公司
SHENZHEN WEITAI CENTURY PHOTOELECTRIC CO., LTD.

五、PIN定义

Pin No.	Symbol	Functional	Notes
1	GND	Ground	
2	NOP	MIPI data input	
3	DON	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, 19	NC	No connection	
20~23	NC	No connection	
24	RSTB	Global reset pin（3.3V）	
25	GND	Ground	
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

600*RGBx1600(4 Data Lanes)						
Parameter		Symbol	Min.	Typ.	Max.	Unit
MIPI data frequency		FDATA	400	440	500	Mbps
Clock frequency		FRAME	55	60	65	HZ
Hertical Section	Active	THD		600		pixel
	HBP	THBP		58		pixel
	HFP	THFP		58		pixel
	HSYNC	THPW		8		pixel
Vorizontal Section	Active	TVD		1600		H
	VBP	TVBP		16		H
	VFP	TVFP		16		H
	VSYNC	FTPW		4		H

Table 7.1-1 Power On Sequence Timing

Symbol	Value			Unit	Remark
	Min.	Typ.	Max.		
T_{On1}	0			mS	
T_{On2}	0			mS	
T_{On3}	0			mS	
T_{On4}	0			mS	
T2		No limit		uS	
T3	0			mS	
T4	10			mS	
T5	20			mS	
T6	0		T4	mS	
T7	10			uS	
T8	120			mS	

7.1.2 Power ON- PCCS[1:0] =H,L Mode Sequence

Application Power: IOVCC, VCI

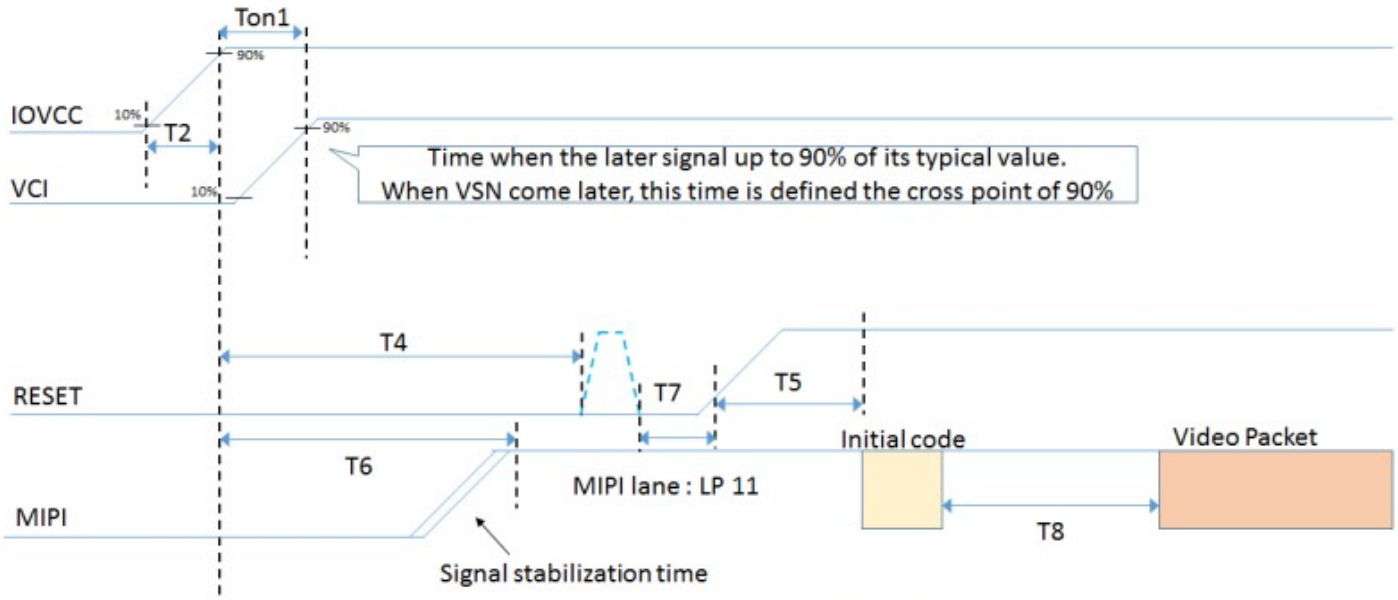


Figure 7.1.2-1: Power On-PCCS[1:0]= H,L mode sequence

Note1: Unless otherwise specified, timings herein show cross point at 50% of signal/power level.

Note2: This power-on sequence is based on adding schottky diode on VGL pin to ground.