DOE.		THE PROPE	ERTY OF BOE HF AND SHAL IT THE WRITTEN PERMISSI PON ITS REQUEST	
SPEC. NUMBER	PRODUCT GROUP	Rev.P0	ISSUE DATE	PAGE

TITLE : BP080WX7-101

Product Specification

Rev. P0

HEFEI BOE OPTOELECTRONICS TECHNOLOGY

R2010-6053-O(1/3) A4(210 X 297)

京东方 BOE		PRODUCT GROUP	REV	ISSUE DATE		
	BOE	TFT- LCD PRODUCT	P0	2013.8.6		
SPEC. NUMBER		SPEC. TITLE BP080WX7-101 Product Specification		PAGE 2 OF 26		
REVISION HISTORY						
REV.	ECN No.	DESCRIPTION OF CHANGES	DATE	PREPARED		
P0		Initial Release	2013.8.6	冯霞		

京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER SPEC. TITLE			PAGE
	3 OF 26		

Contents

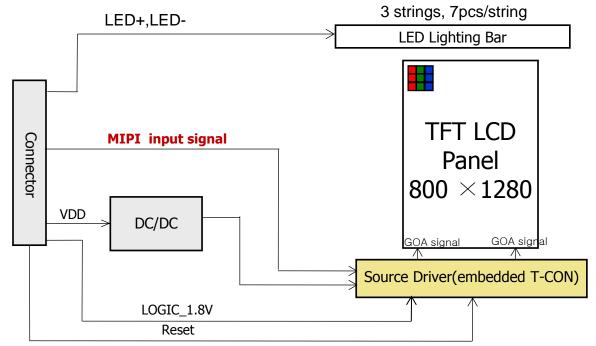
No.	Item	Page
	REVISION HISTORY	2
	CONTENTS	3
1.0	GENERAL DESCRIPTION	4
	1.1 Introduction	4
	1.2 Features	4
	1.3 Applications	5
	1.4 General Specification	5
2.0	ABSOLUTE MAXIMUM RATINGS	6
3.0	ELECTRICAL SPECIFICATIONS	7
	3.1 TFT LCD Module	7
	3.2 Recommended Driving Condition for Backlight	8
	3.3 LED Driver	8
4.0	INTERFACE CONNECTION	9
	4.1 Module Input Signal & power	9
5.0	SIGNAL TIMING SPECIFICATIONS	10
	5.1 MIPI Input Signal Spec	10
	5.2 Signal Timing Spec	11
	5.3 Signal Timing Parameter	12
	5.4 Signal Timing wave forms	13
	5.5 Power Sequence	14
6.0	OPTICAL SPECIFICATIONS	15
7.0	MECHANICAL CHARACTERISTICS	17
8.0	RELIABLITY TEST	18
9.0	PRODUCT SERIAL NUMBER	19
10.0	PACKING INFORMATION	20
11.0	HANDING & CAUTIONS	21
12.0	APPENDIX	23

京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE BP080WX7-101 Product Specification		PAGE 4 OF 26

1.0 GENERAL DESCRIPTION

1.1 Introduction

BP080WX7-101 is a color active matrix TFT LCD module using amorphous silicon TFT's (Thin Film Transistors) as an active switching devices. This module has a 8.0inch diagonally measured active area with WXGA resolutions (800 horizontal by 1280 vertical pixel array). Each pixel is divided into RED, GREEN, BLUE dots which are arranged in vertical stripe and this module can display 16.7M colors. The TFT-LCD panel used for this module is adapted for a low reflection and higher color type.



1.2 Features

- 4 lanes MIPI Interface
- Thin and light weight
- Data enable signal mode
- 8-bit color depth, display 16.7M colors
- Low driving voltage and low power consumption
- RoHS Compliant

京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE BP080WX7-101 Product Specification		PAGE 5 OF 26

1.3 Application

• AV application Products

1.4 General Specification

The followings are general specifications at the model BP080WX7-101. (listed in Table 1.)

< Table 1. General Specifications >

Parameter	Specification	Unit	Remarks
Active area	107.64(W) x 172.224(H)	mm	
Number of pixels	800(H) ×1280(V)	pixels	
Pixel pitch	$44.85(H) \times RGB \times 134.55(V)$	μm	
Pixel arrangement	Pixels RGB stripe arrangement		
Display colors	16.7M(8bits)	colors	
Display mode	Normally Black		
Outline Dimension	112.64(V) × 181.824 (H)	mm	Tolerance: ±0.15 mm
Thickness	0.69	mm	Tolerance: ±0.03 mm
Weight	1128g (max.)	gram	
Power	P _D : 0.38(max.)		
Consumption	P _{BL} : 1.39(max.)	Watt	
	P _{total} : 1.66(max.)		
Surface Treatment	3Н НС		

京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE BP080WX7-101 Product Specification		PAGE 6 OF 26
	bruouvy A7-101 Froduct Specification		0 OF 20

2.0 ABSOLUTE MAXIMUM RATINGS

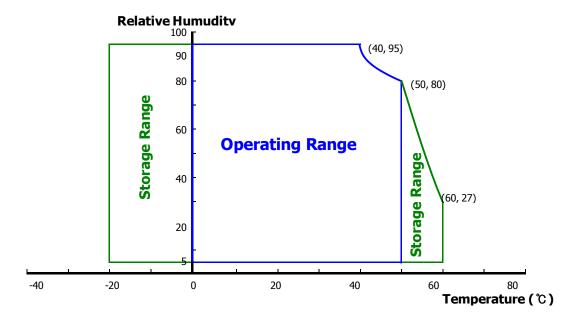
The followings are maximum values which, if exceed, may cause faulty operation or damage to the unit. The operational and non-operational maximum voltage and current values are listed in Table 2.

< Table 2. Absolute Maximum Ratings>

[VSS=GND=0V]

Parameter	Symbol	Min.	Max.	Unit	Remarks	
Power Supply Voltage	V_{DD}	-0.5	4.8	V	Note 1	
Power Supply For LED	V_{LED}	0	25	V	Note 1	
Operating Temperature	T _{OP}	-20	+60	$^{\circ}$	Note 2	
Storage Temperature	T _{ST}	-20	+60	$^{\circ}$	Note 2	

- Notes: 1. Permanent damage to the device may occur if maximum values are exceeded functional operation should be restricted to the condition described under normal operating conditions.
 - Temperature and relative humidity range are shown in the figure below.
 RH Max. (40 °C ≥ Ta)
 Maximum wet bulb temperature at 39 °C or less. (Ta > 40 °C) No condensation.



京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE		PAGE
	BP080WX7-101 Product Specification	7 OF 26	

3.0 ELECTRICAL SPECIFICATIONS

3.1 Electrical Specifications

< Table 3. Electrical specifications >

[Ta = $25 \pm 2 \,^{\circ}$ C]

Parameter	Crombal		Values		Unit	Notes
Farameter	Symbol	Min	Тур	Max	Umt	Notes
Power Supply Input Voltage	VDD	3.0	3.3	3.6	Vdc	
Logic Power Supply Input Voltage	VLOG		1.8		Vdc	
Power Supply Ripple Voltage	VRP		300		mV	
Power Supply Current	IDD	-	65	108	mA	
Power Consumption	PDD		0.22	0.36	Watt	1
Logic Power Supply Current	ILOG		14		mA	
Logic Power Consumption	PLOG		25		mW	
Rush current	IRUSH	-		1	A	2

Notes: 1. The supply voltage is measured and specified at the interface connector of LCM. The current draw and power consumption specified is for VDD=3.3V, Frame rate f_V =60Hz and Clock frequency = 74.3MHz. Test pattern of power supply current is: typ@White, max@R/G/B

2. The duration of rush current is about 2ms and rising time of Power input is 1ms(min)

京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE BP080WX7-101 Product Specification		PAGE 8 OF 26

3.2 Recommended Driving Condition for Backlight

< Table 4. Electrical specifications for Backlight >

ITEM	Symbol	Min	Тур	Max	Unit	Note
Current for each LED	I_{LED}	-	20	-	mA	
Voltage for each LED	$ m V_{LED}$	2.7	3	3.3	V	
Input Current	I_{B}	-	60	-	mA	Total 21 LEDs,
Input Voltage	V_{B}	18.9	21	23.1	V	3 Srings,7 EA each sring
Power Consumption for Backlight	P_{B}		1.26	1.39	W	

3.3 LED Driver

- The LED Driver is on the Customer System , We only have one connector on FPC .

京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE		PAGE
	BP080WX7-101 Product Specification		9 OF 26

4.0 INTERFACE CONNECTION

4.1 Module Input Signal & Power - FPC Signal interface : 34 Pin.(BF040-I34B-C08-A)

Pin No	Symbol	I/O	Description	Remark
1	VLED	Р	Anode for light bar	18V~19.2V
2	VLED	Р	Anode for light bar	18V~19.2V
3	VLED	Р	Anode for light bar	18V~19.2V
4	BC_C	0	LED ON/OFF Control signal	1.8V
5	CABC	0	CABC PWM Signal Output	1.8V
6	FB1	Р	Cathode for light bar	
7	FB2	Р	Cathode for light bar	
8	FB3	Р	Cathode for light bar	
9	NC		No connection	
10	Reset	ı	Device reset signal	1.7V~1.9V
11	GND	Р	Ground	
12	VPP	NC	Internal use only	Floating it in system
13	D2_P	ı	MIPI differential data2 input (Positive)	
14	GND	P	Ground	
15	D2_N	ı	MIPI differential data2 input (Negative)	
16	D1_P	ı	MIPI differential data1 input (positive)	
17	GND	P	Ground	
18	D1_N	ı	MIPI differential data1 input (Negative)	
19	CLK_P	ı	MIPI differential clock input (Positive)	
20	GND	P	Ground	
21	CLK_N	ı	MIPI differential clock input (Negative)	
22	D0_P	ı	MIPI differential data0 input (Positive)	
23	GND	P	Ground	
24	D0_N	ı	MIPI differential data0 input (Negative)	
25	NC		No connection	
26	GND	P	Ground	
27	LOGIC 1.8V	P	1.8V input	1.7V~1.9V
28	D3_P	ı	MIPI differential data3 input (Positive)	
29	LOGIC 3.3V	P	3.3V input	
30	D3_N	ı	MIPI differential data3 input (Negative)	
31	LOGIC 3.3V	P	3.3V input	
32	GND	P	Ground	
33	LOGIC 3.3V	P	3.3V input	
34	NC		No connection	

Note.1

I/O definition : I---Input ; O---Output ; P---Power/Ground

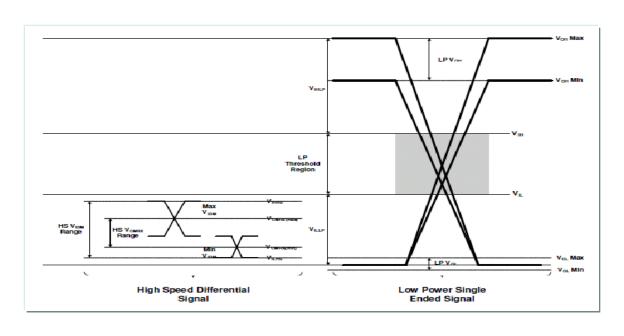
A4(210 X 297) R2010-6053-O(3/3)

PRODUCT GROUP	REV	ISSUE DATE
TFT- LCD PRODUCT	P0	2013.8.6
SPEC. TITLE BP080WX7-101 Product Specification		PAGE 10 OF 26
	TFT- LCD PRODUCT	TFT- LCD PRODUCT P0 SPEC. TITLE

5. Electrical Specification

5.1 MIPI Input Signal SPEC

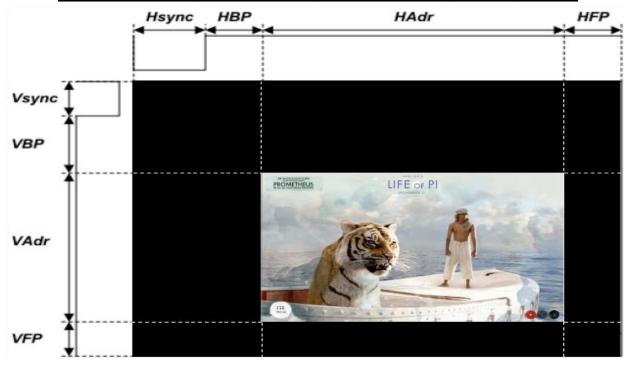
Parameter	Symbol	Min	Тур	Max	Unit	Condition	
MIPI digital operation current	I _{VCCIF}	-	14	-	mA	-	
MIPI digital stand-by current	I _{VCCIFST}	-	200	-	uA	-	
MIPI Characteristics for High Speed Receiver							
Single-ended input low voltage	V _{ILHS}	-40	-	-			
Single-ended input high voltage	V _{IHHS}	-	-	460	mV		
Common-mode voltage	V _{CMRXDC}	155	-	330	mV		
Differential input impedance	Z_{ID}	80	100	125	Ω		
HS transmit differential voltage($V_{OD}=V_{DP}-V_{DN}$)	V _{OD}	85	200	250	mV		
MIPI Characteristics for Low Po	ower Receiver						
Pad signal voltage range	$V_{\rm I}$	-50	-	1350	mV		
Ground shift	V _{GNDSH}	-50	-	50	mV		
Output low level	V _{OL}	-150	-	150	mV		
Output high level	V _{OH}	1.1	1.2	1.3	V		



京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE BP080WX7-101 Product Specification		PAGE 11 OF 26

5.2 Signal Timing Spec

Item	Symbol	Min	Тур	Max	Unit
CLV	Period		4		ns
CLK	Frequency		225		MHz
II	Period		16		t _{pCLK}
Hsync	Frequency		77.76		KHz
Vsync	Period		4		Line
	Frequency	-	60	-	Hz
Horizontal Active	HAdr	-	800	-	t _{pCLK}
Display Term	НВР		48		t _{pCLK}
rgb vporch 8 4 4	HFP		16		t _{pCLK}
rgb hporch 16 48 16	Total		880		t _{pCLK}
	Vadr	-	1280	-	Line
Vertical Active	VBP		4		Line
Display Term	VFP		8		Line
	Total		1296		Line

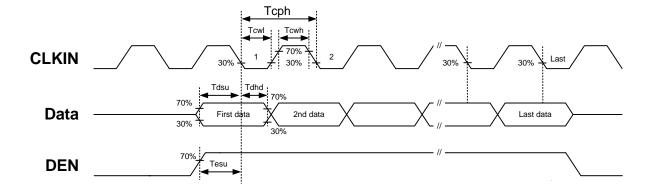


京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE BP080WX7-101 Product Specification		PAGE 12 OF 26

5.3. Signal Timing Parameter

京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE BP080WX7-101 Product Specification		PAGE 13 OF 26

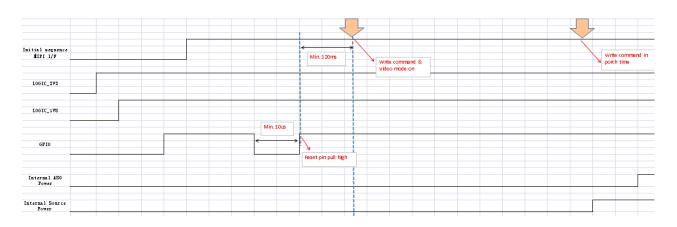
5.4 Signal Timing wave forms



京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE BP080WX7-101 Product Specification		PAGE 14 OF 26

5.5 Power Sequence

To prevent a latch-up or DC operation of the LCD module, the power on/off sequence shall be as shown in below



Notes:

- 1. When the power supply VDD is 0V, keep the level of input signals on the low or keep high impedance.
- 2. Do not keep the interface signal high impedance when power is on. Back Light must be turn on after power for logic and interface signal are valid.

京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE BP080WX7-101 Product Specification		PAGE 15 OF 26

6.0 OPTICAL SPECIFICATIONS

The test of Optical specifications shall be measured in a dark room (ambient luminance ≤ 1 lux and temperature $= 25\pm 2\,^{\circ}\text{C}$) with the equipment of Luminance meter system (Goniometer system and TOPCON BM-5) and test unit shall be located at an approximate distance 50cm from the LCD surface at a viewing angle of θ and Φ equal to 0° . We refer to $\theta_{\emptyset=0}$ ($=\theta_3$) as the 3 o'clock direction (the "right"), $\theta_{\emptyset=90}$ ($=\theta_{12}$) as the 12 o'clock direction ("upward"), $\theta_{\emptyset=180}$ ($=\theta_9$) as the 9 o'clock direction ("left") and $\theta_{\emptyset=270}$ ($=\theta_6$) as the 6 o'clock direction ("bottom"). While scanning θ and/or \emptyset , the center of the measuring spot on the Display surface shall stay fixed. The measurement shall be executed after 30 minutes warm-up period. VDD shall be 3.3V +/-10% at 25°C. Optimum viewing angle direction is 6 'clock.

Para	meter	Symbol	Condition	Min	Тур	Max	Unit	Remark
	Horizontal	Θ_3			89	-	Deg.	
Viewing Angle	HOHZOHIAI	Θ_9	CR > 10		89	-	Deg.	Note 1、7
ringic	Vertical	Θ_{12}	CK > 10		89	-	Deg.	INOIE I. /
	vertical	Θ_6			89	-	Deg.	
Color	Gamut			53	55	-	%	NTSC
Contr	ast ratio	CR		700:1	900:1	-		Note 2、7
Tra	ans.				6.9%	-		Note 3、7
White lumine	nce uniformity	ΔΥ5	Ī	ı	-	-	%	Note 4、7
wille lullilla	nce uniformity	ΔΥ13		70	80	-	%	
	White	MPCD			8.5±15			Note 5、7
		CCT	$\Theta = 0$ °		6800±500			
	Red	R_{x}	(Center) Normal		0.616	TIVD.		
Reproduction		R_{y}	Viewing	TYP.	0.351	TYP.		
of color	Green	G_{x}	Angle	- 0.03	0.328	0.03		
	Green	G_{y}			0.574			
	Blue	$\mathbf{B}_{\mathbf{x}}$			0.150			
	Blue	\mathbf{B}_{y}			0.113			
Response Time		T_{g}		-	25	-	ms	Note 6、7
Gamm	a Scale			2.0	2.2	2.4		Note 7

京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE BP080WX7-101 Product Specification		PAGE 16 OF 26

Note:

- 1. Viewing angle is the angle at which the contrast ratio is greater than 10. The viewing are determined for the horizontal or 3, 9 o'clock direction and the vertical or 6, 12 o'clock direction with respect to the optical axis which is normal to the LCD surface.
- 2. Contrast measurements shall be made at viewing angle of θ = 0° and at the center of the LCD surface. Luminance shall be measured with all pixels in the view field set first to white, then to the dark (black) state. (See FIGURE 1 shown in Appendix) Luminance Contrast Ratio (CR) is defined mathematically.

 $CR = \frac{Luminance when displaying a white raster}{Luminance when displaying a black raster}$

- 3. Center Luminance of white is defined as luminance values of 9point average across the LCD surface. Luminance shall be measured with all pixels in the view field set first to white. This measurement shall be taken at the locations shown in FIGURE 2 for a total of the measurements per display, the LED current is set at 20mA (see FIGURE 2).
- 4. The White luminance uniformity on LCD surface is then expressed as : $\Delta Y = Minimum Luminance of 13 points / Maximum Luminance of 13 (points see FIGURE 3).$
- 5. The color chromaticity coordinates specified in Table 4. shall be calculated from the spectral data measured with all pixels first in red, green, blue and white. Measurements shall be made at the center of the panel.
- 6. The electro-optical response time measurements shall be made as FIGURE 3 shown in Appendix by switching the "data" input signal ON and OFF. The times needed for the luminance to change from 10% to 90% is Td, and 90% to 10% is Tr.
- 7. The listed optical specifications refer to the initial value of manufacture, but the condition of the specifications after long-term operation will not be warranted

京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE BP080WX7-101 Product Specification		PAGE 17 OF 26

7.0 MECHANICAL CHARACTERISTICS

7.1 Dimensional Requirements

FIGURE 4 (located in Appendix) shows mechanical outlines for the model BP080WX7-101. Other parameters are shown in Table 12.

< Table 12. Dimensional Parameters>

Parameter	Specification	Unit
Dimensional outline	$112.64(V) \times 181.824 (H)$	mm
Thickness	0.69 (typ.)	mm
Weight	118g (Max.)	gram
Active area	107.64(H) x 172.224(V)	mm
Pixel pitch	$0.13455(H) \times 0.13455(V)$	mm
Number of pixels	$800(H) \times 1280(V)$ (1 pixel = R + G + B dots)	pixels
Back-light	3806,21ea	_

7.2 Mounting

See FIGURE 6. (shown in Appendix)

7.3 Surface Treatment of Polarizer.

The surface treatment of the CF POL is 3H HC.

京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE BP080WX7-101 Product Specification		PAGE 18 OF 26

8.0 RELIABLITY TEST

The Reliability test items and its conditions are shown in below.

<Table 13. Reliability Test Parameters >

Test item	Test condition	No. of failures / No. of examinations
Low temperature storage te st	Ta= -20°C, 240h	0/5
High temperature storage t est	Ta= 70°C, 240h	0/5
Low temperature operation test	Ta= -10°C, 240h	0/5
High temperature operation test	Ta= 60°C, 240h	0/5
High temperature & High h umidity operation test	Ta= 50°C, 90%RH, 240h	0/5
Thermal Shock	[(-20°C 30min) → (70°C	0/5
	30min)]/cycle, 100cycles	
Electrostatic discharge test	330ohm,150pf	0/3
	Contact:+/-4KV	
	Air: +/-8KV, (Note 23,24)	
Vibration test	Amplitude ,f=10 to 55 Hz, 2 h	0/3
	ours each in the X,Y and Z dir	
	ection	
pact test	Apply for operation time 6ms,	0/3
·	3 times each in X,Y and Z dir	
	ection	
Packing vibration-proof test	, f=10->55->10Hz apply in ea	0/3
	ch of X, Y, and Z direction for	
	30 min	
Packing drop test	Drop the packing from 60cm	
	height, 1 time for 6-faces, 3-e	
	dges and 1-corner	

京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE BP080WX7-101 Product Specification		PAGE 19 OF 26

9.0 Product Serial Number



Type designation

No 1. Control Number

No 2. Rank / Grade

No 3. Line classification

No 4. Year (10: 2010, 11: 2011, ...)

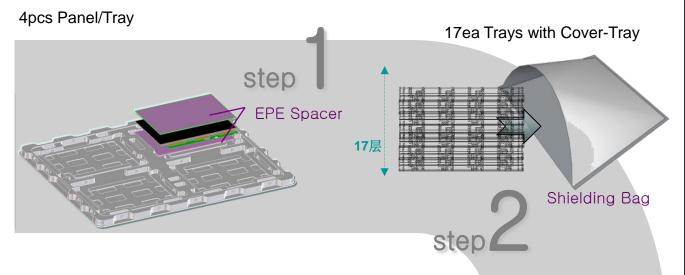
No 5. Month (1, 2, 3, ..., 9, X, Y, Z)

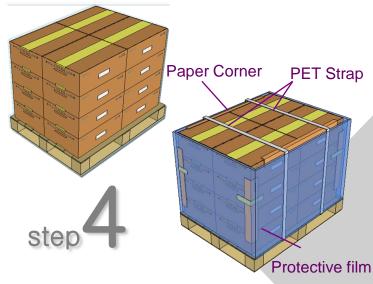
No 6. Product Identification (FG)

No 7. Serial Number

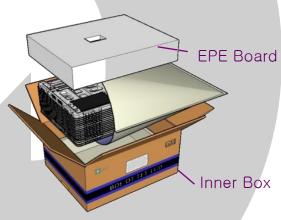
京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE		PAGE
	BP080WX7-101 Product Specification		20 OF 26

10.0 PACKING INFORMATION





4 layers per Pallet, 16inner boxes per layer
Pallet outer package: Protective film & Paper Corner
1024pcs Open Cells per Pallet



2EA Cushion -EPE Board per Inner Box 64pcs Panel per Inner Box

step

京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE		PAGE
	BP080WX7-101 Product Specification		21 OF 26

10.2 Box label

• Label Size: 108 mm (L) 56 mm (W)

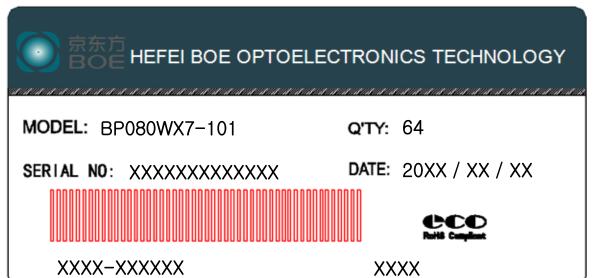
• Contents

Model: BP080WX7-101 Q`ty: 64 Panel in one box.

Serial No.: Box Serial No. See next page for detail description.

Date: Packing Date

FG Code: FG Code of Product



序列 号	1	2	3	4	5	6	7	8	9	10	11	12	13
代码	4	J	Р	3	1	2	7	0	0	0	1	Н	D
描述	GBN	l代码	等级	В3	年	份	月	Rev	序列号				

京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE BP080WX7-101 Product Specification		PAGE 22 OF 26

11.0 HANDLING & CAUTIONS

- (1) Cautions when taking out the module
 - Pick the pouch only, when taking out module from a shipping package.
- (2) Cautions for handling the module
 - As the electrostatic discharges may break the LCD module, handle the LCD module with care. Peel a protection sheet off from the LCD panel surface as slowly as possible.
 - As the LCD panel and back light element are made from fragile glass material, impulse and pressure to the LCD module should be avoided.
 - As the surface of the polarizer is very soft and easily scratched, use a soft dry cloth without chemicals for cleaning.
 - Do not pull the interface connector in or out while the LCD module is operating.
 - Put the module display side down on a flat horizontal plane.
 - Handle connectors and cables with care.
- (3) Cautions for the operation
 - When the module is operating, do not lose CLK, ENAB signals. If any one of these signals is lost, the LCD panel would be damaged.
 - Obey the supply voltage sequence. If wrong sequence is applied, the module would be damaged.
- (4) Cautions for the atmosphere
 - Dew drop atmosphere should be avoided.
 - Do not store and/or operate the LCD module in a high temperature and/or humidity atmosphere. Storage in an electro-conductive polymer packing pouch and under relatively low temperature atmosphere is recommended.
- (5) Cautions for the module characteristics
 - Do not apply fixed pattern data signal to the LCD module at product aging.
 - Applying fixed pattern for a long time may cause image sticking.
- (6) Other cautions
 - Do not disassemble and/or re-assemble LCD module.
 - Do not re-adjust variable resistor or switch etc.
 - •When returning the module for repair or etc., Please pack the module not to be broken. We recommend to use the original shipping packages.

京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE		PAGE
	BP080WX7-101 Product Specification		23 OF 26

12.0 APPENDIX

Figure 1. Measurement Set Up

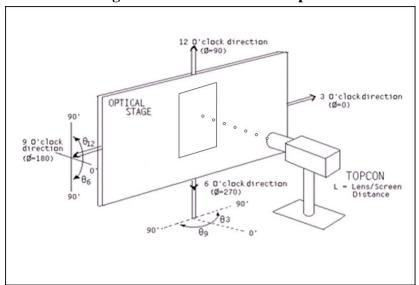
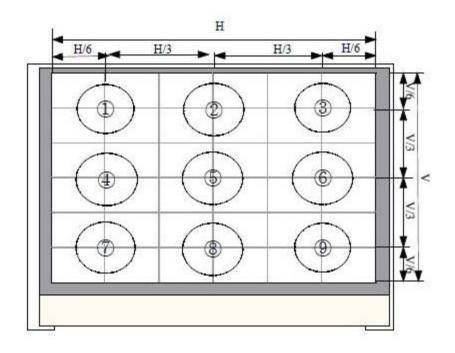


Figure 2. White Luminance and Uniformity Measurement Locations (9P point)



京东方	PRODUCT GROUP	REV	ISSUE DATE
BOE	TFT- LCD PRODUCT	P0	2013.8.6
SPEC. NUMBER	SPEC. TITLE		PAGE
	BP080WX7-101 Product Specification		24 OF 26

Figure 3. Uniformity Measurement Locations (5/13 points)

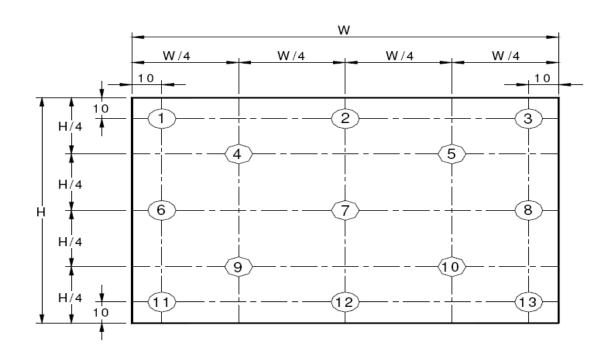
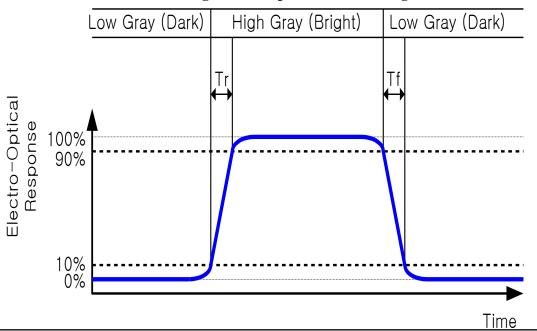
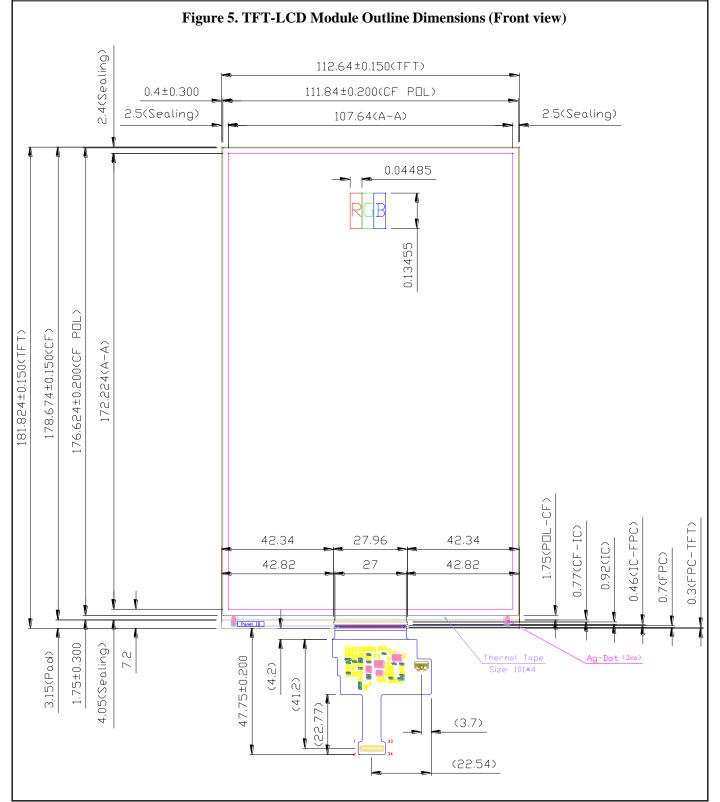


Figure 4. Response Time Testing







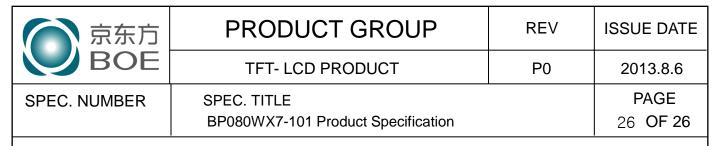


Figure 6. TFT-LCD Module Outline Dimensions (Rear view)

