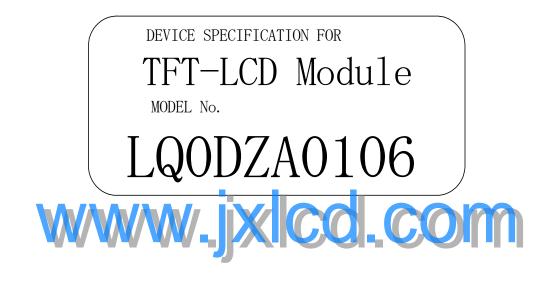
<u>SPEC No. LD — 19322A</u> <u>ISSUE : Nov. 13. 2007</u> <u>PAGE:16 pages</u>



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Do not use the device for equipment that requires an extreme level of reliability, such as aerospace applications, telecommunication equipment (trunk lines), nuclear power control equipment and medical or other equipment for life support.

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Contact and consult with a SHARP sales representative for any questions about this device.

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1. Application

This specification applies to a color TFT-LCD module, LQ0DZA0106.

2. Overview

This module is a color active matrix LCD module incorporating amorphous silicon TFT (Thin Film Transistor). It is composed of a color TFT-LCD panel, driver ICs, control circuit and power supply circuit and a backlight unit. Graphics and texts can be displayed on a $1024 \times 3 \times 768$ dots panel with 262,144 colors by using LVDS (Low Voltage Differential Signaling) to interface and supplying +3.3V DC supply voltage for TFT-LCD panel driving and supply voltage for backlight.

In this TFT-LCD panel, low reflection / color filters of excellent color performance and backlights of high brightness are incorporated to realize brighter and clearer pictures, making this model optimum for use in multi-media applications.

Optimum viewing direction is 6 o'clock.

Backlight-driving DC/AC inverter is not built in this module.

Parameter	Specifications	Unit
Display size	36 (14.1") Diagonal	cm
Active area	285.7 (H)×214.3 (V)	mm
	1024 (H)×768 (V)	pixel
Pixel format Aspect ratio	(1-pixel = R+G+B dots) 4 : 3	
Pixel pitch	0.279 (H)×0.279 (V)	mm
Pixel configuration	R,G,B vertical stripe	
Display mode	Normally white	
Surface treatment	Anti-Glare and hard-coating 2H	

3. Mechanical Specifications

Parameter		Min.	Тур.	Max.	Unit
	Width	298.2	298.5	298.8	mm
Unit outline dimensions	Height	226.2	226.5	226.8	mm
[Note 1]	Depth	_	_	6.0	mm
Mass			530	550	g

[Note 1] excluding backlight cables.

Outline dimensions is shown in Fig.1

4. Input Terminals

4-1. TFT-LCD panel driving

CN1 (LVDS signals and +3.3V	DC power supply)
-----------------------------	------------------

Pin No.	Symbol	Function	Remark
1	Vcc	+3.3V power supply	
2	Vcc	+3.3V power supply	
3	GND		
4	GND		
5	RxIN0-	Receiver signal of LVDS CH0 (-)	[Note 1]
6	RxIN0+	Receiver signal of LVDS CH0 (+)	[Note 1]
7	GND		
8	RxIN1-	Receiver signal of LVDS CH1 (-)	[Note 1]
9	RxIN1+	Receiver signal of LVDS CH1 (+)	[Note 1]
10	GND		
11	RxIN2-	Receiver signal of LVDS CH2 (-)	[Note 1]
12	RxIN2+	Receiver signal of LVDS CH2 (+)	[Note 1]
13	GND		
14	CK IN-	Receiver signal of LVDS CLK (-)	[Note 1]
15	CK IN+	Receiver signal of LVDS CLK (+)	[Note 1]
16	GND		
17	Reverse		[Note 3]
18	Reverse		[Note 3]
19	GND		
20 te 1] Relation	GND on between RxII	Ni($=0,1,2$) and actual data is shown in followin	g section (4-2)(7-2

[Note 2] The shielding case is connected with signal GND.

[Note 3] Please use NC by OPEN or GND. NC terminal is not connected with the internal circuit.

Using connector : FI-XB20P-HF10 (JAE) or equivalent.

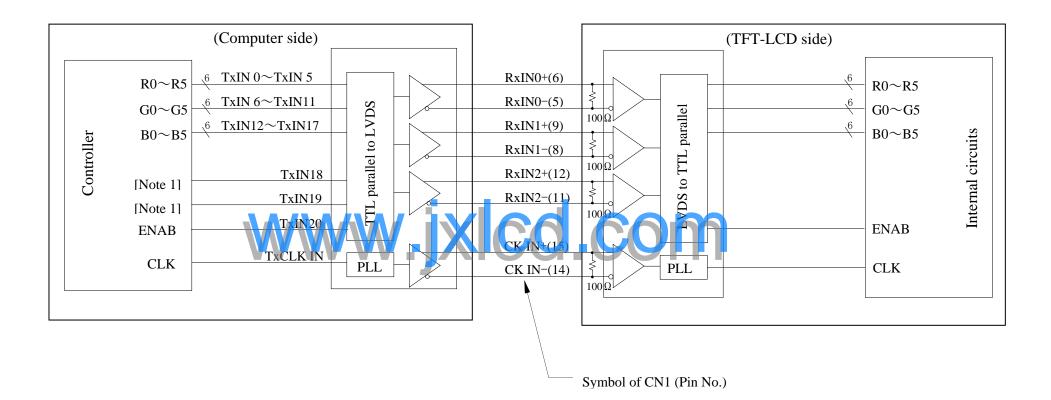
Corresponding connector : FI-SE20M,FI-S20S (JAE)

(Sharp is not responsible to its product quality, if the user applies a connector not corresponding to the above model.)

4-2 LVDS interface block diagram

Using receiver : Single LVDS interface ,which equals THC63LVDF64A(THine), contained in a control IC

Corresponding Transmitter : THC63LVDM63A (THINE) or equivalent



4-3. Backlight driving

CN2

Using connector:BHTR-02VS-1(JST)

Mating connector : SM02B-BHTS-B-TB(JST)

(Sharp is not responsible to its product quality, if the user applies a connector not corresponding to the above model.)

Connector No.	Pin No.	Symbol	Function	FL cable color
C) 10	1	V_{High}	Power supply for lamp (High voltage side)	Blue
CN2 2	2	V_{Low}	Power supply for lamp (Low voltage side)	White

5. Absolute Maximum Ratings

Demonstern	C1 - 1	Condition	Rating		TT:4	D 1
Parameter	Symbol	Condition	Min.	Max.	Unit	Remark
Input voltage	VI	Ta=25°C	-0.3	Vcc+0.3	V	[Note 1]
+3.3V supply voltage	Vcc	Ta=25°C	0	+4.0	V	
Storage temperature	Tstg	_	-25	+60	°C	
Operating temperature (Ambient)	Тора	_	0	+50	°C	[Note 2]

[Note 1] LVDS signals

[Note 2] Humidity : 95% RH Max. at Ta \leq +40°C.

Maximum wet-bulb temperature at $+39^{\circ}$ C or less at Ta> $+40^{\circ}$ C.



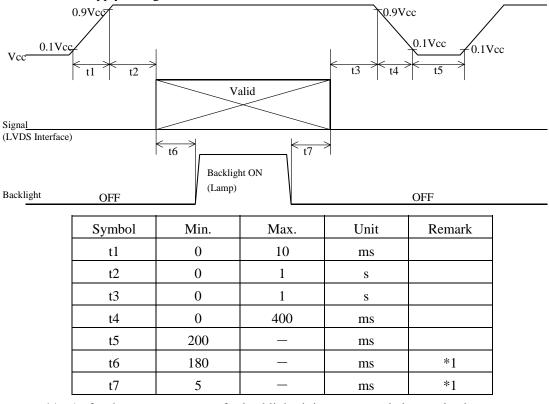
6-1.TFT-LCD panel driving

1.TFT-LCD panel driving $Ta = +25^{\circ}C$								
Parameter		Symbol	Min.	Тур.	Max.	Unit	Remark	
Supply voltage		Vcc	+3.0	+3.3	+3.6	V	[Note 2]	
Current dissipation		Icc	_	400	560	mA	[Note 3]	
Permissive input ripple	voltage	V _{RP}	_	—	100	mV_{P-P}	Vcc = +3.3V	
Input voltage range		VI	0		2.4	V	LVDS signals	
Differential input	High	V _{TH}	—	_	+100	mV	$V_{CM} = +1.2V$	
threshold voltage	Low	V _{TL}	-100	_	_	mV	[Note 1]	
Input current (High)		I _{OH}	—	_	± 10	μ A	$V_I = +2.4V Vcc = +3.6V$	
Input current (Low)		I _{OL}	_	_	± 10	μ A	$V_I = 0V Vcc = 3.6V$	
Terminal resistor		R _T	_	100	—	Ω	Differential input	

[Note 1] V_{CM} : Common mode voltage of LVDS driver.

[Note 2]

On-off conditions for supply voltage



*1 : As for the power sequence for backlight, it is recommended to apply above mentioned input timing. If the backlight is lit on and off at a timing other than shown above, displaying image may get disturbed. This is due to

variation of output signal from timing generator when LVDS signal is charged from on to off or vice versa, but has no harm to the module itself.

[Note] Do not keep the interface signal high-impedance or unusual signal when power is on.

Vcc-dip conditions

- 1) $2.5 V \le Vcc < 3.0 V$
 - td≦10 ms

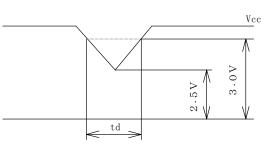
Under above condition, the display image should return to an appropriate figure after Vcc voltage recovers.

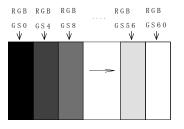
2) Vcc < 2.5 V

Vcc-dip conditions should also follow the On-off conditions for supply voltage

[Note 3] Typical current situation : 16-gray-bar pattern. $Vcc{=}{+}3.3V$

Maximum current situation : Vcc=+3.0V





6-2. Backlight driving

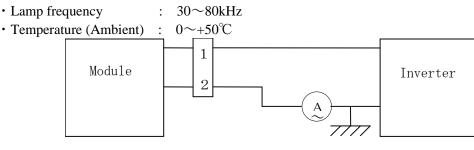
The backlight system is edge-lighting type with single CCFT (Cold Cathode Fluorescent Tube).

Parameter	Symbol	Min.	Тур.	Max.	Unit	Rem	ark
Lamp current range	IL	3.0	6.0	6.0	mArms	[Note 1]	
Lamp voltage	$V_{\rm L}$	l	625	_	Vrms		
Lamp power consumption	P _L		3.75	_	W	[Note 2]	
Lamp frequency	F_L	30	70	80	kHz	[Note 3]	
	Vs		I	1300	Vrms	Ta=25°C	
Kick-off voltage		_	-	1550	Vrms	Ta=0°C	[Note 4]
Lamp life time	L	10000	_	—	Hour	[Note 5]	

The characteristics of one lamp are shown in the following table.

[Note 1] The lamp current range, which can be turned on, is shown.

Lamp current measures by connecting the ammeter for high frequency to the V_{Low} side in the circuit of the following figure.



^{* 2}pin is V_{LOW}

In addition, please check lighting starting nature and lighting stability after mounting a module and an inverter on the occasion of use in a low current region.

[Note 3] Lamp frequency may produce interference with horizontal synchronous frequency, and this may cause beat on the display. Therefore lamp frequency shall be detached as much as possible from the horizontal synchronous frequency and from the harmonics of horizontal synchronous to avoid interference.

[Note 4] It is defined at 22pF for the ballast capacitor of a DC/AC inverter. The voltage above this value should be applied to the lamp for more than 1 second to start-up. Otherwise the lamp may not be turned on.

[Note 5] Above value is applicable when the long side of LCD module is placed horizontally.(Landscape position) (Lamp lifetime may vary if LCD module is in portrait position due to the change of mercury density inside the lamp)

Lamp life time is defined as the time when either ① or ② occurs in the continuous operation under the condition of Ta = 25°C and IL = 6.0 mArms.

- ① Brightness becomes 50 % of the original value under standard condition.
- ② Kick-off voltage at $Ta = 0^{\circ}C$ exceeds maximum value, 1550 V rms.
- [Note] The performance of the backlight, for example life time or brightness, is much influenced by the characteristics of the DC-AC inverter for the lamp.

When you design or order the inverter, please make sure that a poor lighting caused by the mismatch of the backlight and the inverter (miss-lighting, flicker, etc.) never occur.

When you confirm it, the module should be operated in the same condition as it is installed in your instrument.

[Note] Insulate the high voltage area in order to prevent direct contacts to the area. As countermeasures for excessive heat or exothermic fire, use protection elements such as fuses to cut the circuit.

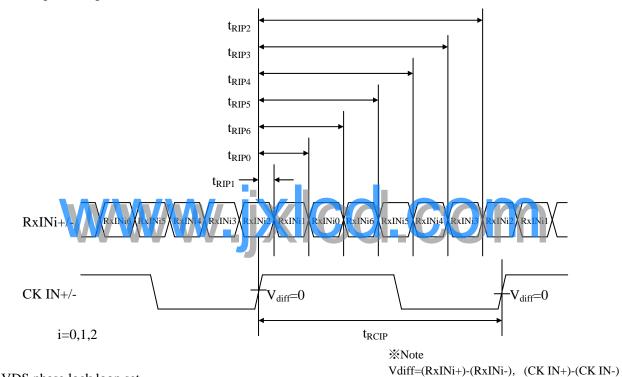
Use burn-resistant (or noncombustible) material for board or resin.

[[]Note 2] Calculated value for reference ($I_L \rtimes V_L$)

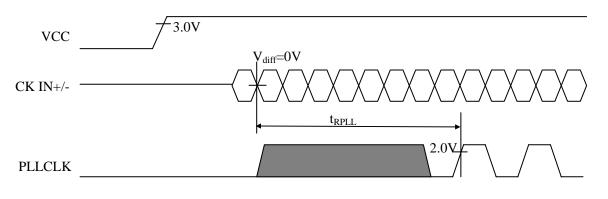
6-3. LVDS input specification

6.3.1. AC characteristics	$Vcc=+3.0V\sim+3.6V, Ta=0^{\circ}C\sim+50^{\circ}C$				
Parameter	Symbol	Min	Тур.	Max.	Unit
Input Data Position 0 (tRCIP=15.38ns)	t _{RIPI}	-0.25	0.0	+0.25	ns
Input Data Position 1 (tRCIP=15.38ns)	t _{RIP0}	t _{RCIP} /7-0.25	t _{RCIP} /7	t _{RCIP} /7+0.25	ns
Input Data Position 2 (tRCIP=15.38ns)	t _{RIP6}	2 t _{RCIP} /7-0.25	$2 t_{\rm RCIP}/7$	$2 t_{RCIP} / 7 + 0.25$	ns
Input Data Position 3 (tRCIP=15.38ns)	t _{RIP5}	3 t _{RCIP} /7-0.25	3 t _{RCIP} /7	$3 t_{RCIP} / 7 + 0.25$	ns
Input Data Position 4 (tRCIP=15.38ns)	t _{RIP4}	4 t _{RCIP} /7-0.25	$4 t_{\rm RCIP} / 7$	$4 t_{RCIP} / 7 + 0.25$	ns
Input Data Position 5 (tRCIP=15.38ns)	t _{RIP3}	5 t _{RCIP} /7-0.25	$5 t_{\rm RCIP} / 7$	$5 t_{RCIP} / 7 + 0.25$	ns
Input Data Position 6 (tRCIP=15.38ns)	t _{RIP2}	6 t _{RCIP} /7-0.25	6 t _{RCIP} /7	$6 t_{RCIP} / 7 + 0.25$	ns
Phase Lock Loop Set	t _{RPLL}	_	_	10	ms
Input Clock Period	t _{RCIP}	14.9	15.4	20	ns

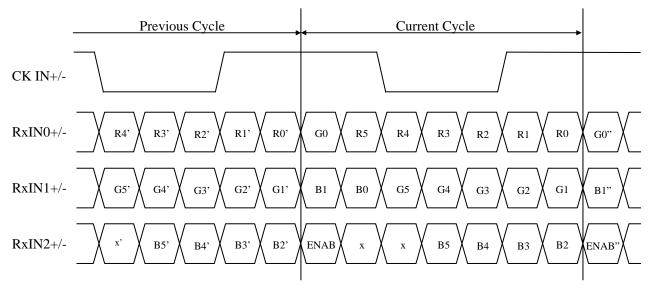
LVDS input timing



LVDS phase lock loop set



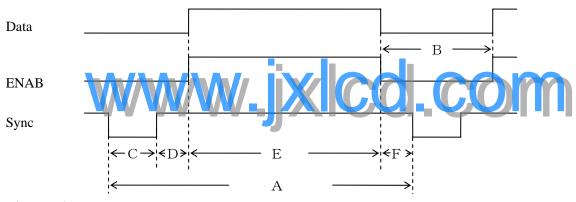
```
6.3.2.LVDS data
```



7. Timing Characteristics of Input Signals

7-1. Timing characteristics

(This is specified at digital outputs of LVDS driver.)



(Vertical)

Item (symbol)	Min.	Тур.	Max.	Unit	Remark
Vsync cycle (T _{VA})	—	16.667	—	ms	Negative
	803	806		line	
Blanking period(T _{VB})	35	38	—	line	
Sync pulse width (T _{VC})	4	6	—	line	
Back porch (T _{VD})	0	29		line	
Sync pulse width + Back porch	35	35	35	line	
$(T_{VC}+T_{VD})$					
Active display area (T _{VE})	768	768	768	line	
Front porch (T _{VF})	0	3	_	line	

(Horizontal)

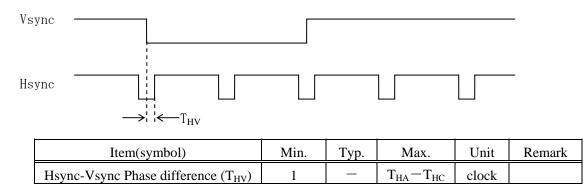
Item (symbol)	Min.	Тур.	Max.	Unit	Remark
Hsync cycle (T _{HA})	19.4	20.677	—	μ s	Negative
	1260	1344	1408	clock	
Blanking period (T _{HB})	236	320	_	clock	

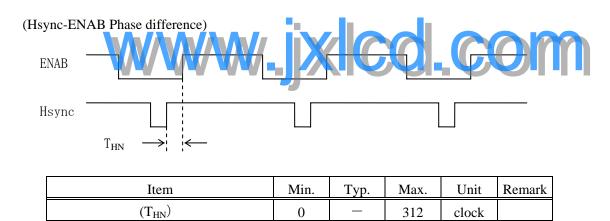
Sync pulse width (T _{HC})	8	136	—	clock	
Back porch (T _{HD})	0	160	312	clock	
Sync pulse width + Back porch	1500 - T _{HA}	296	T _{HA} - 1024	clock	
$(T_{HC} + T_{HD})$					
Active display area (T _{HE})	1024	1024	1024	clock	
Front porch (T _{HF})	0	24	_	clock	

(Clock)

elistii,						
Item	Min.	Тур.	Max.	Unit	Remark	
Frequency	50.0	65.0	65.0	MHz	[Note1]	

Note) In case of lower frequency, the deterioration of display quality, flicker etc., may be occurred. (Hsync-Vsync Phase difference)





7-2 Display position

Item	Standards	Beginning	Ending	Unit	Remark
Horizontal	rising edge of ENAB	0	1024	clock	
	falling edge of Hsync	296	1320	clock	[Note1]
Vertical	falling edge of Vsync	35	803	clock	

[Note1] ENAB signal must be fixed to low.

[Note]

(Horizontal display direction)

When ENAB is fixed low, 296 clock are counted from Hsync negative edge and data from after are available . If you need other timing, please use ENAB signal.

(Vertical display direction)

35 lines are counted from Vsync negative edge and data from next line are available.

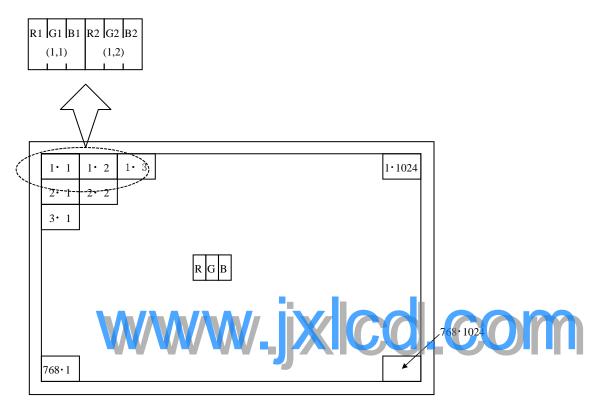
(Note of ENAB signal)

ENAB could not be used for the purpose of the vertical display start timing.

Caution

Image will not be displayed on the right position otherwise.

7-2. Input data signals and display position on the screen



Display position of input data(V \cdot H)

8. Input Signals, Basic Display Colors and Gray Scale of Each Color

	Colors &									Data	signa	1								
	Gray scale	Gray Scale	R0	R1	R2	R3	R4	R5	G0	G1	G2	G3	G4	G5	B0	B1	B2	B3	B4	B5
	Black		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Blue	_	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
-	Green	_	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0
Basic Color	Cyan	_	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
	Red	_	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	Magenta	_	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1
	Yellow	_	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
	White	_	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Black	GS0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	\uparrow	GS1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gray	Darker	GS2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
/ Sca	\uparrow	\downarrow				ļ						ļ					`	Ļ		
Gray Scale of Red	\downarrow	\downarrow				ļ						ļ					`	ļ		
Red	Brighter	GS61	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
1	\downarrow	GS62	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	Red	GS63	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	Black	GS0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G	\uparrow	GS1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	D 1				0	0	•0	-0	0	Y	0	0	0	0	0	0	0	0	0	0
ay S	Darker	GS2	0	0																
ay Scale	Darker ↑	GS2	0	0	`	ļ					`	l					``	Ļ		
ay Scale of (0	0	```	ļ					```````````````````````````````````````						``	↓ ↓		
Gray Scale of Greer			0	0	0		0	0	1	0	1		1	1	0	0	0	\downarrow \downarrow 0	0	0
ay Scale of Green	$\uparrow \\ \downarrow$	\rightarrow \rightarrow \rightarrow		0	0	L L 0 0	0 0	0 0	1 0	0	1	L 1 1	1	1	0	0	0	↓ ↓ 0 0	0	0
ay Scale of Green	↑ ↓ Brighter	↓ ↓ GS61	0																	
ay Scale of Green	↑ ↓ Brighter ↓	↓ ↓ GS61 GS62	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0
reen	↑ ↓ Brighter ↓ Green	↓ ↓ GS61 GS62 GS63	0 0 0 0	0 0	0 0	0 0	0 0	0 0	0 1	1 1	1 1	1 1	1 1	1	0 0	0 0	0 0	0 0	0 0	0
reen	↑ ↓ Brighter ↓ Green Black	↓ ↓ GS61 GS62 GS63 GS0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 1 0	1 1 0	1 1 0	1 1 0	1 1 0	1 1 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
reen	<pre> ↑ ↓ Brighter ↓ Green Black ↑ </pre>	↓ ↓ GS61 GS62 GS63 GS0 GS1	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 1 0 0	1 1 0 0	1 1 0 0	1 1 0 0	1 1 0 0	1 1 0 0	0 0 0 1	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
reen	 ↑ ↓ Brighter ↓ Green Black ↑ Darker 	↓ ↓ GS61 GS62 GS63 GS0 GS1 GS2	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 1 0 0	1 1 0 0	1 1 0 0	1 1 0 0	1 1 0 0	1 1 0 0	0 0 0 1	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
ay Scale of Green Gray Scale of Blue	 ↑ ↓ Brighter ↓ Green Black ↑ Darker 	↓ ↓ GS61 GS62 GS63 GS0 GS1 GS2	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 1 0 0	1 1 0 0	1 1 0 0	1 1 0 0	1 1 0 0	1 1 0 0	0 0 0 1	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
reen	<pre> ↑ ↓ Brighter ↓ Green Black ↑ Darker ↑ ↓ </pre>	\downarrow \downarrow $GS61$ $GS62$ $GS63$ $GS0$ $GS1$ $GS2$ \downarrow \downarrow	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 1 0 0	1 1 0 0	1 1 0 0 0	1 1 0 0 0	1 1 0 0 0	1 1 0 0	0 0 1 0	0 0 0 1	0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0

0 : Low level voltage, 1 : High level voltage

Each basic color can be displayed in 64 gray scales from 6 bit data signals. According to the combination of total 18 bit data signals, the 262,144-color display can be achieved on the screen.

9. Optical Characteristics

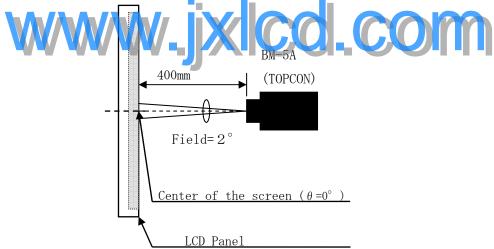
Ta=+25°C, Vcc=+3.3V

Para	meter	Symbol	Condition	Min.	Тур.	Max.	Unit	Remark
Viewing angle range	Horizontal	θ 21, θ 22		45	_	_	Deg.	
	XX 1	θ 11	CR>10	10		_	Deg.	[Note 1,2,3]
	Vertical	θ 12		30		_	Deg.	
			$\theta=0^{\circ}$	150	_	_		
Contrast ra	tio	CRo	Optimum viewing angle	150	300	_		[Note 1,3,5]
Response time		τ r+ τ d	$\theta = 0^{\circ}$		30	60	ms	[Note 1,4,5]
~	Chromaticity of white			0.286	0.336	0.386		
Chromatici				0.294	0.344	0.394		[Note 1,5]
Luminance of white		\mathbf{Y}_{LI}		120	150	_	cd/m ²	I _L =6.0mArms F _L =52kHz [Note 1,5]
White Uniformity		δw		_	1.20	1.45		[Note 1,6]

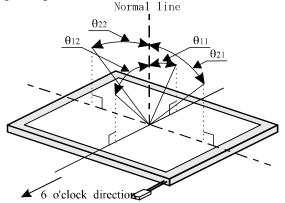
The measurement shall be executed 30 minutes after lighting at rating. Condition : (IL=6.0mArms)

The optical characteristics shall be measured in a dark room or equivalent.

[Note 1] Optical Characteristics Measurements



[Note 2] Definitions of viewing angle range:



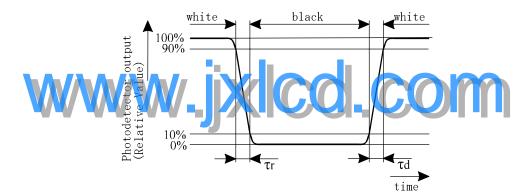
[Note 3] Definition of contrast ratio:

The contrast ratio is defined as the following.

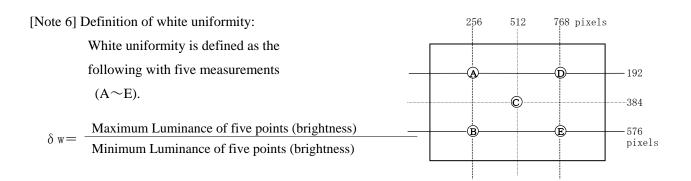
Contrast Ratio (CR) = $\frac{\text{Luminance (brightness) with all pixels white}}{\text{Luminance (brightness) with all pixels black}}$

[Note 4] Definition of response time:

The response time is defined as the following figure and shall be measured by switching the input signal for "black" and "white".



[Note 5] This shall be measured at center of the screen.



10. Display Quality

The display quality of the color TFT-LCD module shall be in compliance with the Incoming Inspection Standard.

11. Handling Precautions

- a) Be sure to turn off the power supply when inserting or disconnecting the cable.
- b) Be sure to design the cabinet so that the module can be installed without any extra stress such as warp or twist.
- c) Since the front polarizer is easily damaged, pay attention not to scratch it.
- d) Wipe off water drop immediately. Long contact with water may cause discoloration or spots.
- e) When the panel surface is soiled, wipe it with absorbent cotton or other soft cloth.
- f) Since the panel is made of glass, it may break or crack if dropped or bumped on hard surface. Handle with care.
- g) Since CMOS LSI is used in this module, take care of static electricity and injure the human earth when handling. Observe all other precautionary requirements in handling components.
- h) This module has its circuitry PCBs on the rear side and should be handled carefully in order not to be stressed.
- i) Protect sheet is attached to the module surface to prevent it from being scratched. Peel the sheet off slowly just before the use with strict attention to electrostatic charges. Ionized air shall be blown over during the action.
 Blow off the 'dust' on the polarizer by using an ionized nitrogen gun, etc..
- j) Do not expose the LCD module to a direct sunlight, for a long period of time to protect the module from the ultra violet ray.
- k) Connect GND of mounting holes to stabilize against EMI and external noise.
- There are high voltage portions on the backlight and very dangerous. Careless touch may lead to electrical shock. When exchange lamps or service, turn off the power without tail.
- m) When handling LCD modules and assembling them into cabinets, please be noted that long-term storage in the environment of oxidization or deoxidization gas and the use of such materials as reagent, solvent, adhesive, resin, etc. which generate these gasses, may cause corrosion and discoloration of the LCD modules.
- n) Cold cathode fluorescent lamp in LCD panel contains a small amount of mercury, please follow local ordinances or regulations for disposal.
- o) Be careful not to pull the back light lead cable with an excessive strength, when connecting to the inverter or handling the cables.
- p) Adjusting volume have been set optimally before shipment, so do not change any adjusted value. If adjusted value is changed, the specification may not be satisfied.
- q) Disassembling the module can cause permanent damage and should be strictly avoided.
- r) Please be careful since image retention may occur when a fixed pattern is displayed for a long time.

Piling number of cartons	Max.5
Package quantity in one carton	10 pcs
Carton size	$434(W) \times 353(D) \times 291(H) mm$
Total mass of one carton filled with full modules	6.6kg

12. Packing Form

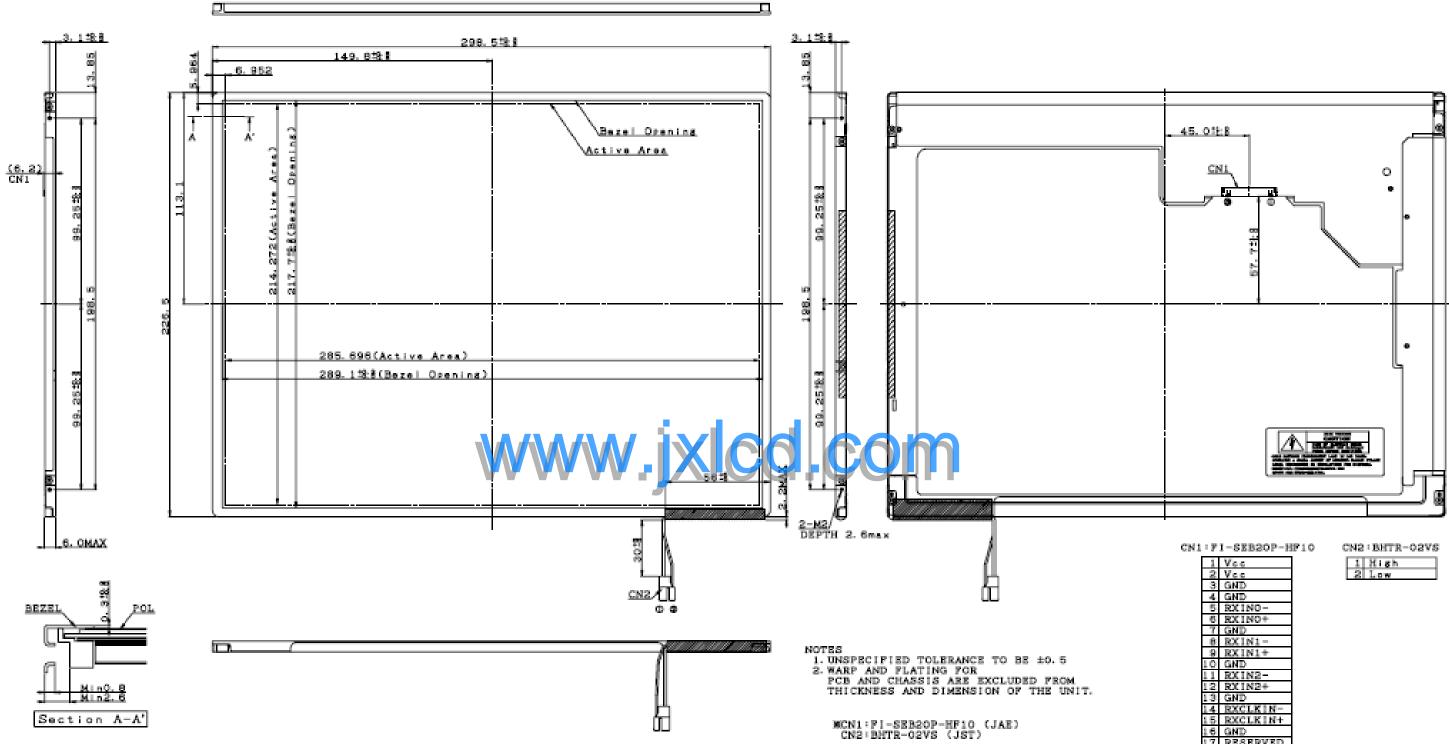


Fig1 LQ0DZA0106 Outline Dimensions

CN2	: BHTR-	-0278
1.1	W. Lask.	

2	Vec
ŝ	GND
4	GND
5	RXINO-
6	RXIN0+
7	GND
6	RXIN1-
- 9	RXIN1+
10	GND
1.1	RXIN2-
12	RX1N2+
1.3	GND
14	RXCLKIN-
15	RXCLKIN+
16	GND
17	RESERVED
1.8	RESERVED
19	GND
20	GND

D/N:2D-00Y-526-02