









CUSTOMER :

MODEL NO. : <u>GFT035HA320240</u>

VERSION : ______C

DATE : 2023.03.08

CERTIFICATION: ROHS

Customer Sign	Approved By	Prepared By	Prepared By
	GIF A R	GIF A R	GIF A R
	2023.03.08	2023.03.08	2023.03.08
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Revision Record

			T
Data(y/m/d)	Ver.	Description	page
2008.12.09	A	Specification released	
2013.12.26	В	修改 VGH / VGL 值	5
2023.03.08	C	更新公司抬頭認證圖示	

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1. SUMMARY

This technical specification applies to 3.5"color TFT-LCD panel. The 3.5" color TFT-LCD panel is designed for GPS, camcorder, digital camera application and other electronic products which require high quality flat panel displays.

This module follows RoHS.

2. FEATURES

High Resolution: 230,400 Dots (320 RGB x 240).GFT035HA320240 is a transmissive type color active matrix liquid crystal display (LCD) which uses amorphous thin film transistor (TFT) as switching devices. This product is composed of a TFT LCD panel, driver ICs, FPC and a backlight unit. The following table described the features of TS35ND35-02

3. GENERAL SPECIFICATIONS

Parame	eter	Specifications	Unit
Screen	Size	3.5(Diagonal)	inch
Display F	ormat	320 RGB x 240	Dot
Active A	rea	70.08(H) x 52.56(V)	mm
Pixel s	ize	219 x 219	um
Surface Tre	atment	Anti-glare	
Pixel Config	guration	RGB-Stripe	
Outline Dimension		76.9(W) x 63.9(H) x 3.3(D)	mm
Display N	/lode	Normally white/Transmissive	
Surface Tre	atment	Anti-glare(AG)	
Display G	armut	NTSC 50%	
Input Inte	rface	CCIR656 / 601	
Weight		33	g
View Angle Direction		6 o'clock	
Tomporatura Danga	Operation	-30~85	°C
Temperature Range	Storage	-40~85	°C

4. ABSOLUTE MAXIMUM RATINGS

Itom	Cymbol	Values		Heit	Condition	Remark
Item	Symbol	Min.	Max.	Unit	Condition	
Power Voltage	DVDD,AVDD	-0.3	7.0	V	GND=0	-
Input Signal Voltage	Vin	-0.3	VDD+0.3	V	GND=0	NOTE
Logic Output Voltage	Vout	-0.3	VDD+0.3	V	GND=0	NOTE

Note: Device is subject to be damaged permanently if stresses beyond those absolute maximum ratings listed above

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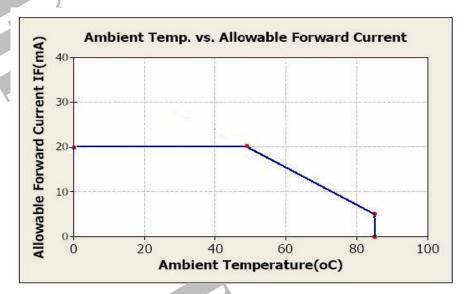


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1. Temp. \leq 60°C, 90% RH MAX.

Temp. $> 60^{\circ}$ C, Absolute humidity shall be less than 90% RH at 60° C

2



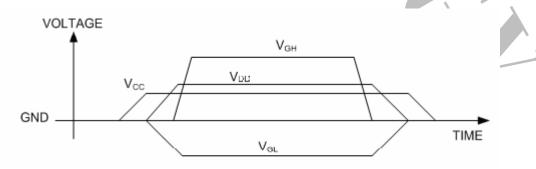
5. ELECTRICAL CHARACTERISTICS

5.1. Operating conditions:

B			Rating	11		
Parameter	Symbol	Min.	Тур.	Max.	Unit	Condition
Power Voltage	VCC	3.0	3.3	3.6	V	
Digital Operation Current	lcc	-	8.9	-	mA	
Analog Power Supply	VDD	3.8	5.0	5.5	V	
Analog Operation Current	ldd	-	4	-	mA	
Dower Cumbly	VGH	14	15	18	V	
Power Supply	VGL	-11	-10	-8	V	
Vcom High Voltage	VcomH	-	3.5	-	V	NOTE1
Vcom low Voltage	VcomL	-	-1.6	_	V	NOTE1
Vcom DC	VCDC		0.97	-	V	

Note1. VcomH& VcomL_Adjust the color with gamma data. Vp-p should be higher then 4V.(option 5v)

Note: Please power on following the sequence VCC _ VDD and V0~V13. Reverse the sequence to shut down.



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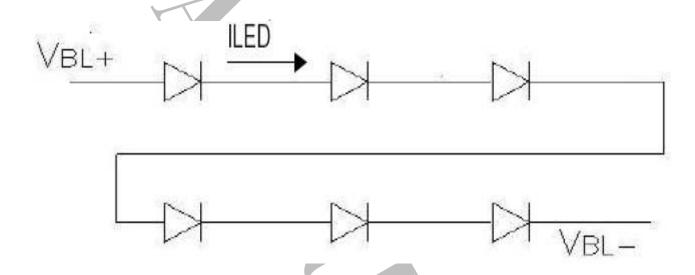




5.2 LED driving conditions

Parameter	Symbol	Min.	Тур.	Max.	Unit	Remark
LED current	-	-	20	30	mA	-
Power Consumption	-	-	400	420	mW	-
LED voltage	VBL+	18.6	19.8	21	V	Note 1
LED Life Time	-		50,000	-	Hr	Note 2,3

Note 1: There are 1 Groups LED



Note 2 : $Ta = 25^{\circ}C$

Note 3: Brightess to be decreased to 50% of the initial value

6. DC CHARATERISTICS

Damanatan Camahal				0		
Parameter	Symbol	Min.	Тур.	Max.	Unit	Condition
Low level input voltage	VIL	0	-	0.3VCC	V	
Hight level input voltage	ViH	0.7VCC	-	VCC	V	

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7. AC CHARATERISTICS

7.1 AV Timing Characteristics

CCIR601/656 Interface

Vitem		Symbol	Min.	Тур.	Max.	Unit
DCLK pe	eriod	Tosc	-	37	-	ns
Data setu	p time	Tsu	12	ı	ı	ns
Data holo	d time	Tch	12	-	-	ns
OEH pulse	e width	TOEH	-	1248	-	ns
OEV pulse width		TOEV	-	4992	-	ns
CKV pulse width		TCKV	-	3744	-	ns
IHS-OEH	Time	T1	-	4368		ns
IHS-CKV	Time	T2	-	2496	-	ns
IHS-OEV Time		T3		640		ns
STV setup time		TSUV	-	1872	-	ns
STV pulse width		TSTV		1	-	TH
IVC CTV time	NTSC	TVS1		19	-	TH
IVS-STV time	PAL	TVS1		27	-	TH

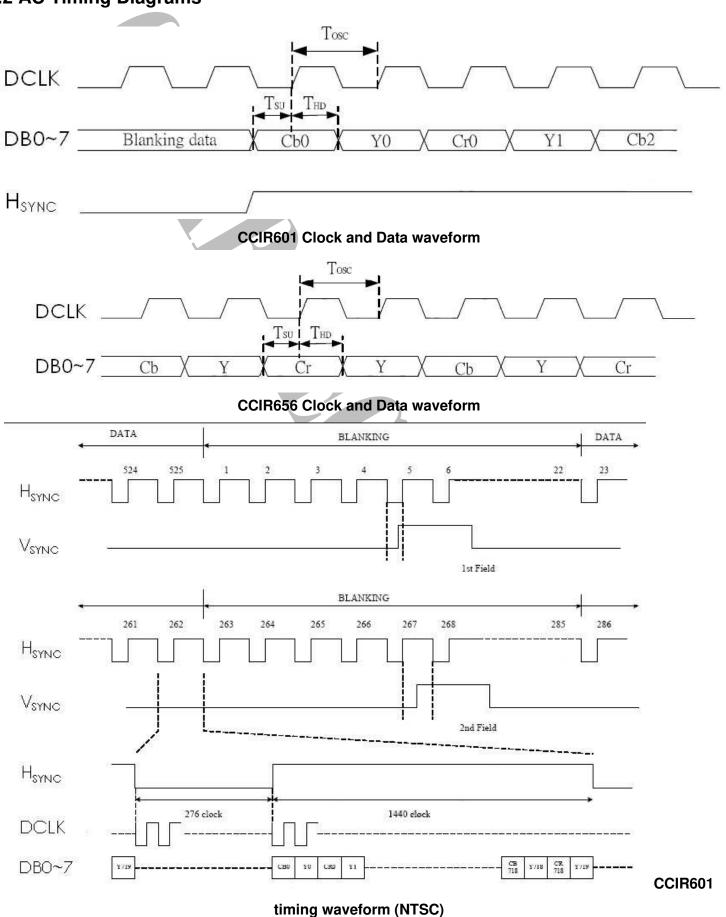
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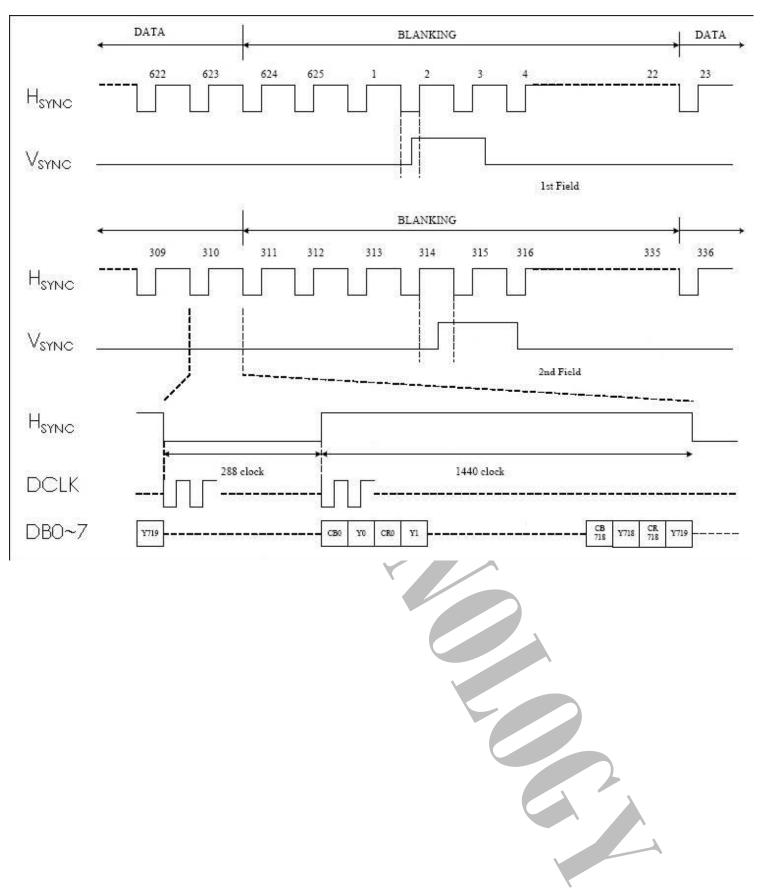


7.2 AC Timing Diagrams









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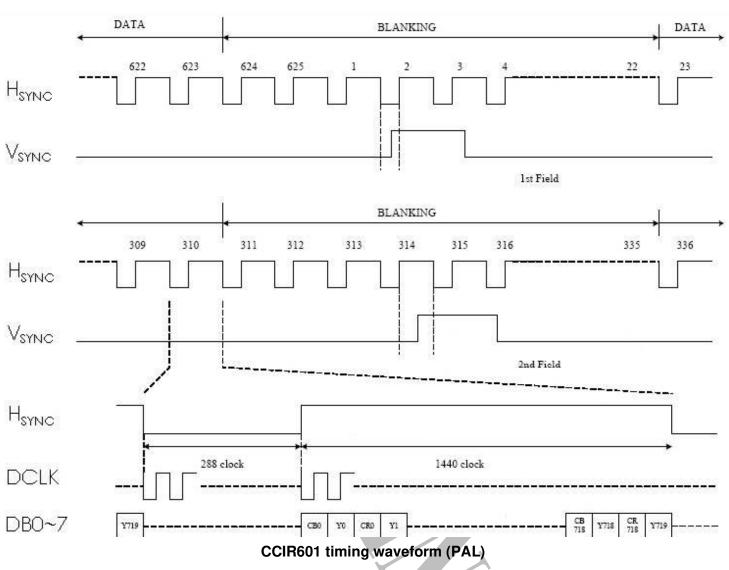


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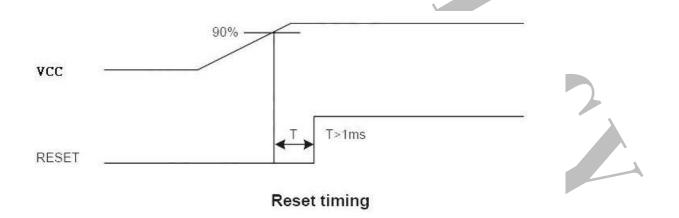


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7.3 Reset Timing Chart

The RESET input must be held at least 1ms after power is stable



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8. OPTICAL CHARATERISTIC

Ta=25±2°C, ILED=20mA

Item		Symbol	Condition	Min	Тур	Max	Unit	Remark	
Pagagaga tim		TR	θ=0° \ Φ=0°	1	10	1	ms	Note O.F	
Response tim	e	TF	0=0 · Ψ=0	-	15	-	ms	Note 3,5	
Contrast ratio		CR	At optimized Viewing angle	-	300	1	ı	Note 4,5	
Color Chromoticity	White	Wx	θ=0° \ Φ=0°	0.26	(0.31)	0.36		Note 2,6,7	
Color Chromaticity	vviile	Wy	0=0 · Φ=0	0.28	(0.33)	0.38	ı		
	Hor	ΘR		(50)	(60)	1			
Viowing Angle	ПОГ	ΘL	CR≧10	(50)	(60)	ı	Dog	Note 1	
Viewing Angle	Vor	ψΤ	CR≦ IU	(40)	(50)	-	Deg.	Note 1	
	Ver	ψΒ		(45)	(55)	-			
Brightness		-	-	320	380	-	cd/m2	Center of display	

Ta=25±2°C, IL=20mA

Note 1: Definition of viewing angle range

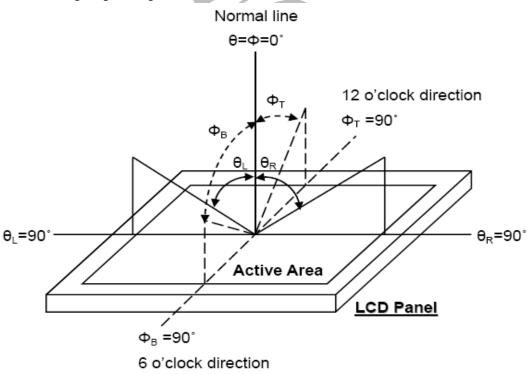


Fig. 8-1 Definition of viewing angle

Note 2: Test equipment setup:

After stabilizing and leaving the panel alone at a driven temperature for 10 minutes, the measurement should be executed. Measurement should be executed in a stable, windless, and dark room. Optical specifications are measured by Topcon BM-7 luminance meter 1.0° field of view at a distance of 50cm and normal direction.

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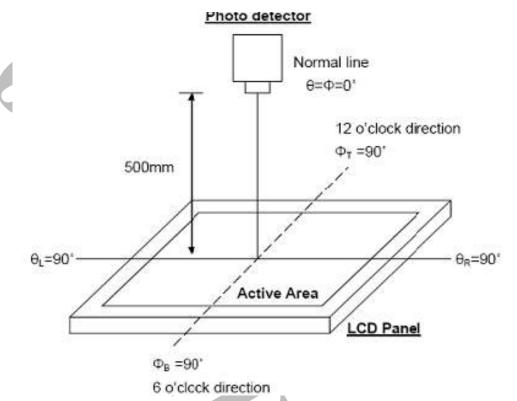


Fig. 8-2 Optical measurement system setup

Note 3: Definition of Response time:

The response time is defined as the LCD optical switching time interval between "White" state and "Black" state. Rise time, Tr, is the time between photo detector output intensity changed from 90% to 10%. And fall time, Tf, is the time between photo detector output intensity changed from 10% to 90%.

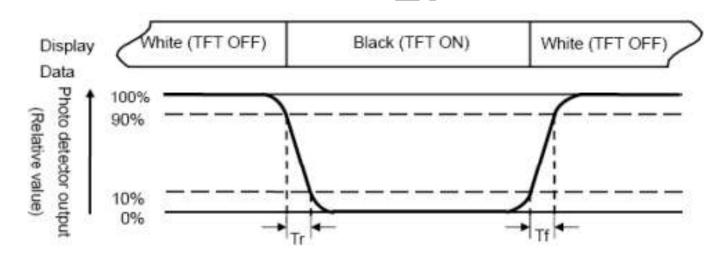


Fig. 3-3 Definition of response time

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Note 4: Definition of contrast ratio:

The contrast ratio is defined as the following expression.

Luminance measured when LCD on the "White" state

Note 5: White $Vi = V_{i50} \pm 1.5V$

Black $Vi = V_{i50} \pm 2.0V$

"±" means that the analog input signal swings in phase with VCOM signal.

"±" means that the analog input signal swings out of phase with VCOM signal.

The 100% transmission is defined as the transmission of LCD panel when all the input terminals of module are electrically opened.

Note 6: Definition of color chromaticity (CIE 1931)

Color coordinates measured at the center point of LCD

Note 7: Measured at the center area of the panel when all the input terminals of LCD panel are electrically opened.

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9. INTERFACE

LCM PIN Definition

Pin	Symbol	I/O	I/O Function	Remark
1	LED-	1	LED_Cathode	
2	LED+	1	LED_Anode	
3	IF1		Control the input data format	Note 1
4	IF2	I	Control the input data format	Note 1
5	POL	0	Polarity Signal connect to Vcom driving circuit	
6	/RESET	1	Hardware Reset	
7	SPENA	1	SPI Interface Data Enable signal	Note 6
8	SPCLK	1	SPI Interface Data Clock	Note 6
9	SPDAT	1	SPI Interface Data	
10	B0	I	Data Bit 0	
11	B1	1	Data Bit 1	
12	B2	I	Data Bit 2	
13	B3	I	Data Bit 3	
14	B4	I	Data Bit 4	
15	B5	I	Data Bit 5	
16	B6	I	Data Bit 6	
17	B7	I	Data Bit 7	
18	HSYNC	I	Horizontal Synchronous Signal	
19	VSYNC	I	Vertical Synchronous Signal	
20	DCLK	I	Dot Data Clock	
21	UD	I	Up/down scan setting.	Note 2
22	VDD	I	Analog Power	
23	VCC	I	Digital Power	
24	LRC	I	Control shift direction of device internal shift register.	Note 4
25	VSET	I	Gamma correction voltage is set internally or externally.	Note 3
26	NC	I	Not Use	
27	VGL	I	Gate OFF Power	
28	NC	I	Not Use	
29	VGH	I	Gate ON Power	
30	NC	I	Not Use	A
31	V1	I	Gamma correction voltage for DAC.	Note 3
32	V8	1	Gamma correction voltage for DAC.	Note 3
33	Vсом	1	Vcom Driving Input	
34	ENB	I	Data Enable Input	Note 5
35	GND	1	Ground	
36	GND	1	Ground	

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Note:

1. Control the input data format.

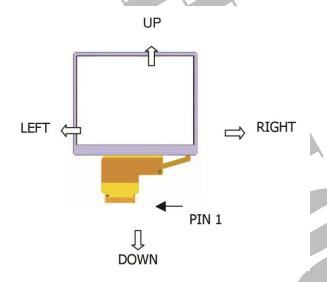
IF1	IF2	Data Format
L	Н	CCIR601
Н	Н	CCIR656

2. Up/down scan setting

UD	Scanning Direction
L	NORMAL SCAN
Н	REVERSE SCAN

3. The output voltage is determined by the digital input data if digital RGB or CCIR601/656 input mode is selected. The gamma correction reference voltages can be set externally or generated internally. If VSET="H", the gamma correction voltage is generated externally. If you want to set these voltages internally, set Vset="L" and the default voltage will be generated automatically.

Default voltage	V1	V2	V3	V4	V5	V6	V7	V8
(V)	4.45	3.425	2.845	2.540	2.301	2.090	1.818	0.55



- 4. LRC=H: STH→ OUT1→ →OUT480 → STHO LRC=L: STH \rightarrow OUT480 $\rightarrow \rightarrow$ OUT1 \rightarrow STHO
- 5. Input data enable control. Normally pull low.
- 6. Pin 7 and Pin 8 usually pull high.

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AFROR CERTIFICATION

AFROR CERTIFICATION

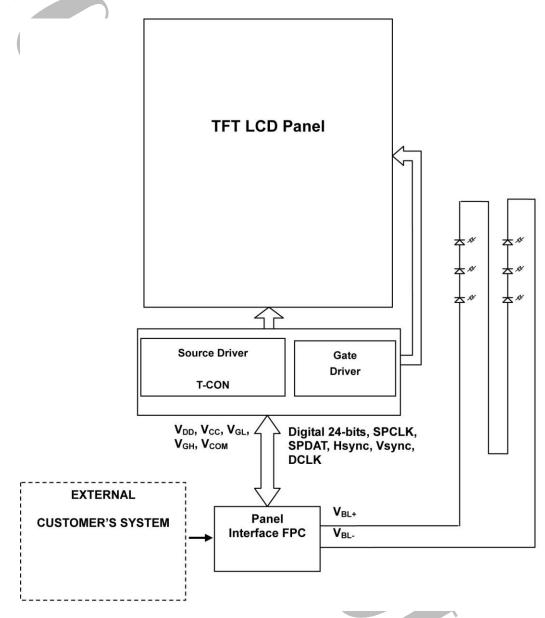
AFROR CERTIFICATION

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10. BLOCK DIAGRAM



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EN/AS/JISQ9100
Aerospace
AFNOR CERTIFICATION





11. QUALITY ASSURANCE

No.	Test Item	Test Condition	REMARK
1	High Temperature Storage Test	Ta=80°C Dry 240h	
2	Low Temperature Storage Test	Ta=-40°C Dry 240h	
3	High Temperature Operation Test	Ta=85°C Dry 240h	
4	Low Temperature Operation Test	Ta=-30°C Dry 240h	
5	High Temperature and High Humidity Operation Test	Ta=60°C 90%RH 240h	
		Panel surface / top case.	
6	Electro Static Discharge Test	Contact / Air: ±6KV / ±8KV ,	Non-operating
O		150Pf [,] 330Ω	
	Sh Shock Test (non-operating)	Shock Level : 100G	
		Waveform : Half Sinusoidal	
7		Wave	
7		Shock Time : 6ms	
		Number of Shocks : 3 times for	
		each ±X, ±Y, ±Z direction	
	Vibration Test (non-operating)	Sweep : 8Hz ~ 33.3Hz	
		Stoke_1.3mm	
8		Sweep : 2.9G, 33.3~400Hz	
		Vibration : Sinusoidal Wave,	
		4Hrs for Y direction. 2Hrs for	
		each direction of X,Z	
9	Thermal Shock Test	-30°C (0.5h) ~ 80°C (0.5h) / 2 cycles	

***** Ta= Ambient Temperature

Note:

- 1. The test samples have recovery time for 2 hours at room temperature before the function check. In the standard conditions, there is no display function NG issue occurred.
- 2. All the cosmetic specifications are judged before the reliability stress.

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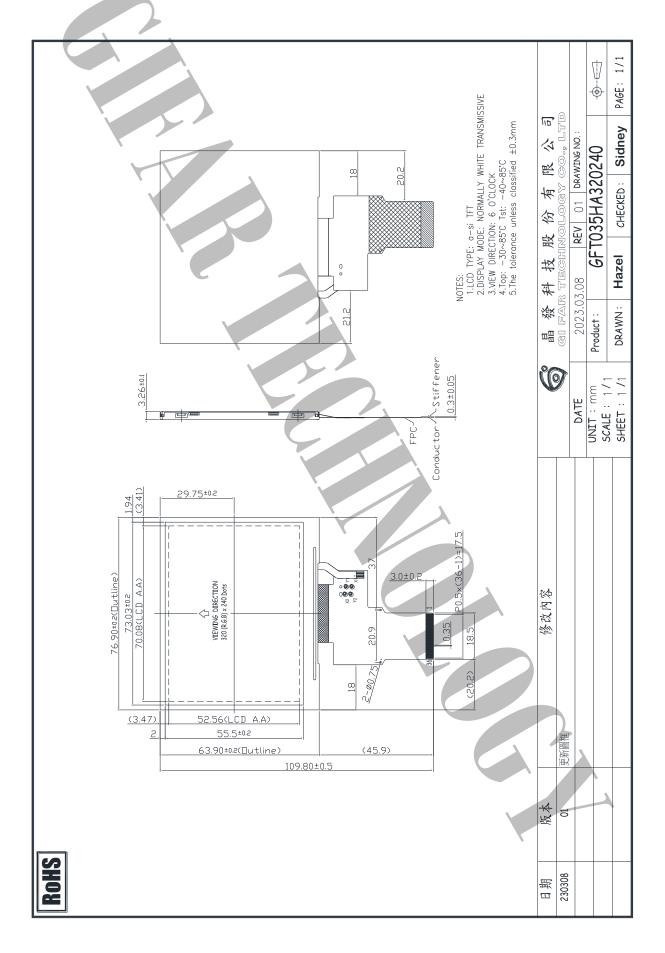








12.OUTLINE DRAWING





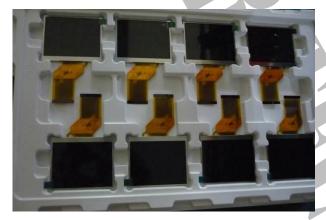


13.PACKAGE INFORMATION

1	1 Tray :	8 pcs (modules)
2	1 stack :	8 tray +1 Cover tray
3	1 Carton :	(1 Cover tray + 8 tray)x 4 stack
4	Total pcs :	1 Carton (8pcs * 8tray * 4 stack) = 256 pcs
5	Carton size = NO. 17:	495*315*435mm
6	Net weight :	TBD KG
7	Gross weight :	TBD KG

^{**} Packaging information**

1 Tray = 8 pcs



1 stack=8 tray+1 Cover tray



**Each layer of tray should be staggered stacked



1 Carton = 4 stack, Total pcs = 256 pcs





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14. PRECAUTIONS

Please pay attention to the following when you use this TFT LCD module.

14.1 MOUNTING PRECAUTIONS

- (1) You must mount a module using arranged in four corners or four sides.
- (2) You should consider the mounting structure so that uneven force (ex. Twisted stress) is not applied to the module.
 - And the case on which a module is mounted should have sufficient strength so that external force is not transmitted directly to the module.
- (3) Please attach a transparent protective plate to the surface in order to protect the polarizer. Transparent protective plate should have sufficient strength in order to the resist external force.
- (4) You should adopt radiation structure to satisfy the temperature specification.
- (5) Acetic acid type and chlorine type materials for the cover case are not describe because the former generates corrosive gas of attacking the polarizer at high temperature and the latter causes circuit break by electro-chemical reaction.
- (6) Do not touch, push or rub the exposed polarizers with glass, tweezers or anything harder than HB pencil lead. And please do not rub with dust clothes with chemical treatment. Do not touch the surface of polarizer for bare hand or greasy cloth. (Some cosmetics are determined to the polarizer)
- (7) When the surface becomes dusty, please wipe gently with adsorbent cotton or other soft materials like chamois soaks with petroleum benzene. Normal-hexane is recommended for cleaning the adhesives used to attach front / rear polarizers. Do not use acetone, toluene and alcohol because they cause chemical damage to the polarizer.
- (8) Wipe off saliva or water drops as soon as possible. Their long time contact with polarizer causes deformations and color fading.
- (9) Do not open the case because inside circuits do not have sufficient strength.

15.2 OPERATING PRECAUTIONS

- (1) The spike noise causes the mis-operation of circuits. It should be lower than following voltage V=±200mV(Over and under shoot voltage)
- (2) Response time depends on the temperature. (In lower temperature, it becomes longer.)
- (3) Brightness depends on the temperature. (In lower temperature, it becomes lower) And in lower temperature, response time (required time that brightness is stable after turned on) becomes longer.
- (4) Be careful for condensation at sudden temperature change. Condensation makes damage to polarizer or electrical contacted parts. And after fading condensation, smear or spot will
- (5) When fixed patterns are displayed for a long time, remnant image is likely to occur.
- (6) Module has high frequency circuits. Sufficient suppression to the electromagnetic

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interference shall be done by system manufacturers. Grounding and shielding methods may be important to minimize the interference.

15.3 ELECTROSTATIC DISCHARGE CONTROL

Since a module is composed of electronic circuits, it is not strong to electrostatic discharge. Make certain that treatment persons are connected to ground through wristband etc. And don't touch interface pin directly.

15.4 PRECAUTIONS FOR STRONG LIGHT EXPOSURE

Strong light exposure causes degradation of polarizer and color filter.

15.5 STORAGE

When storing modules as spares for a long time, the following precautions are necessary.

- (1) Store them in a dark place. Do not expose the module to sunlight or fluorescent light. Keep the temperature between 5 and 35 _ _ at normal humidity.
- (2) The polarizer surface should not come in contact with any other object. It is recommended that they be stored in the container in which they were shipped.

15.6 HANDLING PRECAUTIONS FOR PROTECTION FILM

- (1) When the protection film is peeled off, static electricity is generated between the film and polarizer. This should be peeled off slowly and carefully by people who are electrically grounded and with well ion-blown equipment or in such a condition, etc.
- (2) The protection film is attached to the polarizer with a small amount of glue. Is apt to remain on the polarizer. Please carefully peel off the protection film without rubbing it against the polarizer.
- (3) When the module with protection film attached is stored for a long time, sometimes there remains a very small amount of glue still on the polarizer after the protection film is peeled off.
- (4) You can remove the glue easily. When the glue remains on the polarizer surface or its vestige is recognized, please wipe them off with absorbent cotton waste or other soft material like chamois soaked with normal-hexane.

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出貨檢驗標準書 Shipping inspection standard

核准	審核	作成		
Approved by	Checked by	Made by		
ANDY	JACKY	RUBY		

1.目的 Purpose:

規範出貨產品之檢驗項目及判斷標準,確保產品出貨能滿足客戶要求。

Standardize the inspection items and judgment standards to ensure the products that shipped out can meet customer's requirements.

2. 範圍 Area:

適用於出廠之所有產品。

Applicable to all products shipped from the factory.

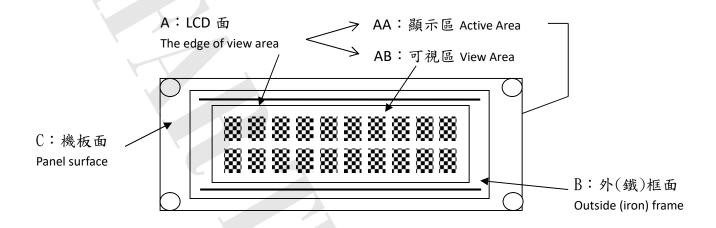
- 3.名詞解釋 Explanation of terms:
 - 3-1 主要缺陷:亦會造成功能缺失或嚴重外觀缺陷。
 Major Defects: It also causes loss of function or serious appearance defects.
 - 3-2 次要缺陷:稍有缺陷但不影響客戶使用。
 Minor defect: Slightly defective but does not affect customer use.
- 4.檢驗體制 Inspection system:
 - 4-1 抽樣計劃:依 ANSI/ASQ Z1.4 一般檢驗水準Ⅱ 之 正常檢驗一次抽驗方案。
 Sampling plan: According to ANSI/ASQ Z1.4 general inspection level Ⅱ the normal inspection one-time sampling plan.
 - 4-2 允收水準 Acceptable Level:(AQL) 主要缺陷 Major defect:0.4%

次要缺陷 Minor defect: 0.65%

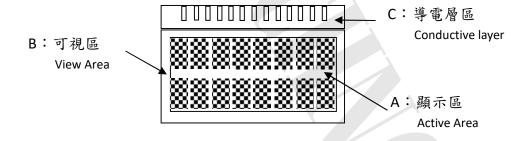
- 5.檢驗條件 Inspection conditions:
 - 5-1 使用相關之檢測儀器及測試、量測工具。
 Use relevant testing instrument, testing and measuring tools.
 - 5-2 環境要求:其條件需控制在常溫下 23℃±3℃及溼度 70%RH 以下。
 Environmental requirements: The conditions should be controlled at room temperature 23℃±3℃ and humidity below 70%RH.
 - 5-3 外觀檢驗:須在 380±20% LUX 的白色日光燈下,其目視距離需於產品離 30±5 cm 檢驗。 Appearance inspection: Under the white fluorescent lamp of 380±20% LUX, the visual distance shall be checked above the product 30±5 cm.
 - 5-4 電性測試 Electrical Testing:
 - 5-4-1 有背光之產品需關燈並在 5~300Lux±3%下檢驗。
 The products with backlight should be tested at 5~300±3% Lux.
 - 5-4-2 無背光之產品需開燈並在 60~300Lux±3%白色日光燈下檢驗。
 Products without backlight need to be turned on and tested under 60~300 ± 3% LUX white fluorescent lamps.
 - 5-5 檢查視角依產品視角方向。

Check the viewing angle according to the product viewing angle.

5-6 其不良現象檢視區域 Bad phenomenon View area 5-6-1 適用種類 Applicable category: COB、TFT



5-6-2 適用種類 Applicable category: COG、TAB、TN



							TFT
種類 C	Category		TF	T			
編號	檢驗項目	檢驗內容及判定標準			區域	類別	缺陷等級
No.	Item	Inspection Content & Standard				Category	Level
		氣泡圓狀	雨點距離須超過 51	nm			
		Bubbleround shape	Two points have to be \geq	5 mm			次要
	點類(一)	$= \omega = \frac{(X + Y)_{+}}{2_{+}}$	φ (mm)	允收數		外觀	
1	Dot (1)	Xe		Acceptance Qty	Α	Appearance	Minor
	Dot (1)		φ ≦ 0.25	無視 Ignore		Appearance	AQL0.65%
			$0.25 < \phi \leq 0.5$	3			
			φ > 0.5	0			
		刮傷、毛屑等線狀					
		Scratch \ Fiber and other	L (mm) W (mm)	允收數			次要 Minor AQL0.65%
	11.30	linear shape.		Acceptance Qty		外觀 Appearance	
2	線類	W	W ≦ 0.01	無視 Ignore	А		
	Line	L/	$L \leq 3 \mid 0.01 < W \leq 0.0$	05 3			
			L > 3 W > 0.05	0			
	FPC 外觀 FPC Appearance	※ FPC 上刺傷導致線路	無法導通 拒收			外觀 Appearance	次要 Minor AQL0.65%
			uses the line to fail to co	nduct			
		_		Reject			
		 ※ FPC 上髒污或是殘留	異物以致線路無法導	通 拒收			
			matter on the FPC mak	- ,	•		
3		unable to conduct			С		
				Reject			
		※ FPC 直角折痕、斷裂	拒收				
		FPC right-angle crease a	and fracture				
				Reject			
		 類型 Type	炎 Acceptance Qty				
		売點 Highlights N ≦					
		暗點 dark spot N ≦					
		※ 缺陷點面積暫全點 1					
	點類(二)		defect point 1/2 is a def				次要
4	Dot (2)	 ※ 亮點:於黑畫面中使	•		AA	Electronics	Minor
	500 (2)		Filter in a black screen to				AQL0.65%
		invisible		•			
		 ※ 暗點:在純紅、綠、	藍模式下判定				
		, , , , , , , , , , , , , , , , , , , ,	re red, green and blue n	node	•		

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5	無動作 No reaction	顯示畫面一直處於起始畫面而無法進行切換 拒收 The display (view area) always shows in the initial screen and can't be switched to others. Reject	AA	電訊 Electronics	主要 Major AQL 0.4%
6	無畫面 No display	通電後,完全無任何畫面顯示 拒收 After connecting to the power, there is no display. Reject	AA	電訊 Electronics	主要 Major AQL 0.4%
7	斷線 Broken line	顯示畫面中少直、橫線 拒收 There is a lack of vertical or horizontal lines in the view area. Reject	AA	電訊 Electronics	主要 Major AQL 0.4%
8	I CON	顯示畫面缺少部份顯示圖案 拒收 Lack of partial ICON in the view area. Reject	AA	電訊 Electronics	主要 Major AQL 0.4%
9	深淺不一 Color difference	顯示畫面的對比,比其他顯示深或淺並依電氣規格(VOP) 值判定 The contrast of display is obviously lighter or darker than others and according to the VOP value in the electronics specification. 拒收或與客端簽訂限度樣 Reject or inspect according to the golden sample	AA	電訊 Electronics	次要 Minor AQL0.65%
10	畫面異常 Abnormal screen	通電後畫面出現未定義之電訊不良現象 拒收 After connecting to the power, there is a undefined electronics appearance showing in the view area. Reject	AA	電訊 Electronics	主要 Major AQL 0.4%
11	牛頓環 Newton ring	點亮後目視有環、圓或曲線狀 拒收 There are rings, circles or curves visually after lighting Reject	Α	電訊 Electronics	次要 Minor AQL0.65%
12	背光色不均 Uneven color of backlight	 ※ 點亮後 LED 有明暗不均現象依其均匀度判定 拒收 After lighting LEDs have brightness and darkness uneven the determined according to its uniformity. Reject ※ 點亮後 LED 色澤不一致 拒收 LED color is inconsistent after lighting Reject 	A	電訊 Electronics	次要 Minor AQL0.65%
13	亮度不足 Lack of brightness	波長、色座標、輝度與圖面標示定義不符 拒收 Wave length, chromatic coordinates, brightness don't correspond to the definition of the drawing.	A	電訊 Electronics	主要 Major AQL 0.4%

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14	觸控 Touch	測試時無法點觸或劃,其靈敏度判定則依 SPEC 上定義判定 拒收 It cannot be touched or swiped during the test. Its sensitivity is judged according to the definition on SPEC Reject	Α	電訊 Electronics	主要 Major AQL 0.4%
15	尺寸量測 Size Measurement	未依圖面上標示 拒收 No correspond to the indication on the drawing. Reject	ALL	外觀 Appearance	主要 Major AQL 0.4%
16	其他 Other	如發現有上述未定義之不良則與客端簽訂限度樣 If there is another undefined defective situation. It will be listed as others. The inspection standard is according to the golden sample.	ALL	電訊 Electronics 外觀 Appearance	次要 Minor AQL0.65%