USTOMER	:
AMPLE CODE	: SH800480T024-IDB01
ASS PRODUCTION CODE	PH800480T024-IDB01
AMPLE VERSION	: 01
PECIFICATIONS EDITION	. 005
RAWING NO. (Ver.)	: LMD-PH800480T024-IDB01(Ver.001)
ACKAGING NO. (Ver.)	PKG-PH800480T024-IDB01(Ver.002)

Approved	Checked	Designer
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Rex Liao	Yuan Chang	Howard Chen

2016.09.12 TW RD APR

- ☐ Preliminary specification for design input
- Specification for sample approval

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History of Version

Date (mm / dd / yyyy)	Ver.	Edi.	Description	Page	Design by
01/12/2016	01	001	New Drawing.	-	Howard
02/26/2016	01	002	Modify Interface Pin Description. Add Touch Panel Pin Define.	16	Howard
04/07/2016	01	003	New Sample	-	Howard
07/29/2016	01	004	Modify Backlight Maximum Ratings	9	Howard
09/10/2016	01	005	Modify Packing Specification	Appendix	Howard
				<i>></i>	

Total: 30 Pages



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Appendix: 1.LCM Drawing

2. Packing Specification

Note: For detailed information please refer to IC data sheet:

Primacy(TFT LCD): ILITEK--- ILI6122M-9G / ILI5960-9G

(Or compatible IC)



1. SPECIFICATIONS

1.1 Features

Item	Standard Value				
Display Type	800 * 3 (RGB) * 480 Dots				
LCD Type	a-Si TFT , Normally white, Transmissive type				
Screen size(inch)	5.0 inch				
Viewing Direction	6 O'clock				
Color configuration	RGB-Strip				
Backlight Type	LED B/L				
Interface	Digital 24-bits RGB				
Other(controller/driver IC)	Source IC : ILI6122M-9G / Gate IC: ILI5960-9G				
	(Or Compatible IC)				
	THIS PRODUCT CONFORMS THE ROHS OF PTC				
ROHS	Detail information please refer website:				
	http://www.powertip.com.tw/news.php?area_id_view=1085560481/				

1.2 Mechanical Specifications

Item	Standard Value	Unit
Outline Dimension	121.0(W) x 75.9 (L) x 4.2(H)	mm

LCD panel

Item	Standard Value	Unit
Viewing Area	109.0 (W) * 65.8 (L)	
Active Area	108.0 (W) x 64.8 (L)	mm
Pixel Size	0.135 (W) * 0.135 (H)	mm

Touch panel

Item	Standard Value	Unit
Viewing Area	110.4 (W) * 67.4 (L)	mm
Active Area	109.0 (W) * 65.8 (L)	mm

Note: For detailed information please refer to LCM drawing



1.3 Absolute Maximum Ratings

Module

Item	Symbol	Condition	Min.	Max.	Unit
System Power Supply Voltage	VDD	GND=0	-0.3	4.5	V
Operating Temperature	TOP	-	-20	70	∞
Storage Temperature	Tst	-	-30	80	°C
Storage Humidity	H _D	Ta ≦ 60 °C	10	90	%RH

1.4 DC Electrical Characteristics

Module GND = 0V, Ta = 25 $^{\circ}$ C

Item	Symbol	Condition	Min.	Тур.	Max.	Unit
Power Supply Voltage	VDD		3.0	3.3	3.6	٧
Input II/I Lovel Veltage	VIH	-	0.7VDD	-	VDD	٧
Input H/L Level Voltage	VIL	-	GND	-	0.3VDD	٧
Output H/L Level	VOH	<u>-</u>	VDD-0.4	-	VDD	V
Voltage	VOL	-	GND	-	GND+0.4	V
Supply Current	las	VDD= 3.3 V Pattern=Photo	-	100	-	mA
Supply Current	IDD	VDD= 3.3 V Pattern=R *1	-	120	180	mA

Note1:Maximum current display



1.5 Optical Characteristics

TFT LCD Module

VDD= 3.3 V, Ta=25 ℃

					ı	ı		
Item		Symbol	Condition	Min.	Тур.	Max.	unit	-
Response time	Tr+Tf	25 ℃	-	-	35	55	ms	-
	Тор	θΥ+			60			
Viewing onels	Bottom	θΥ-	CR ≥ 10		60	-	Dog	Note 4
Viewing angle	Left	θХ-	CR 2 10		60	-	Deg.	Note 4
	Right	θΧ+			60	-		
Contrast rati	0	CR		500	600	-	ļ	Note 3
	White	Х	Ta = 25 °C − θX , θY = 0° −	0.26	0.31	0.36		
		Υ		0.29	0.34	0.39		
Calar of OIF	Red	Χ		0.50	0.55	0.60		
Color of CIE Coordinate		Υ		0.27	0.32	0.37		Note1
(With B/L & T/P)	Green	Χ	ΘX , $\Theta Y = 0^{\circ}$	0.29	0.34	0.39	-	Note
(VVIIII D/L & I/I)		Υ		0.54	0.59	0.64		
	Dlug	Х		0.09	0.14	0.19		
	Blue	Υ		0.03	0.08	0.13		
Average Brightr	ness							
Pattern=white display		IV	IF= 120 mA	600	700	-	cd/m2	Note1
(With LCD & T/P)*1								
Uniformity		∆B	IF= 120 mA	70			%	Note1
(With LCD & T/	P)*2		II = 120 IIIA	7	_	_	/0	INOIGI



Note 1:

*1: \(\triangle B = B(min) / B(max) * 100%

*2 : Measurement Condition for Optical Characteristics:

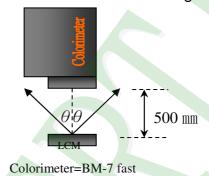
a : Environment: 25°C±5°C / 60±20%R.H, no wind, dark room below 10 Lux at typical lamp current and typical operating frequency.

b : Measurement Distance: 500 ± 50 mm $, (\theta = 0)$

c: Equipment: TOPCON BM-7 fast, (field 1°), after 10 minutes operation.

d: The uncertainty of the C.I.E coordinate measurement ±0.01, Average Brightness ± 4%





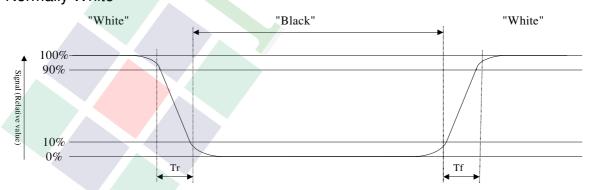
To be measured at the center area of panel with a viewing cone of 1° by Topcon luminance meter BM-7, after 10 minutes operation (module)

Note2: Definition of response time:

The output signals of photo detector are measured when the input signals are changed from "black" to "white" (falling time) and from "white" to "black" (rising time), respectively. The response time is defined as the time interval between the 10% and 90% of Amplitudes.

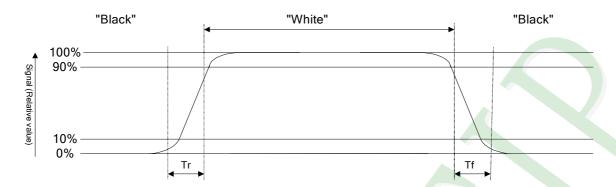
Refer to figure as below:

Normally White





Normally Black



Note3: Definition of contrast ratio:

Contrast ratio is calculated with the following formula

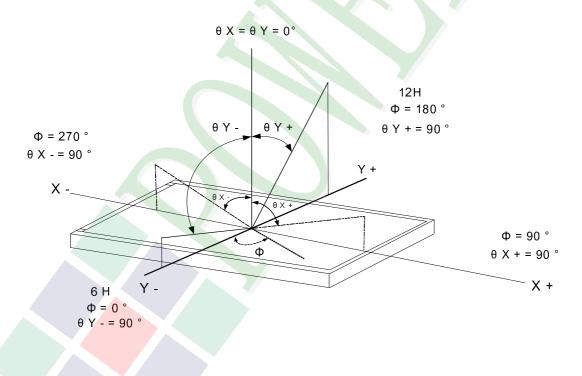
Photo detector output when LCD is at "White" state

Contrast ratio (CR) =

Photo detector output when LCD is at "Black" state

Note4: Definition of viewing angle:

Refer to figure as below:





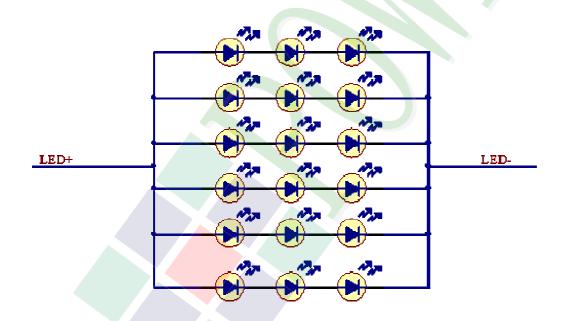
1.6 Backlight Characteristics

Maximum Ratings

Item	Symbol	Conditions	Min.	Max.	Unit
LED Forward Current	IF	Ta =25°C	-	210	mA
LED Reverse Voltage	IR	Ta =25°C	-	10	V
Power Dissipation	PD	Ta =25°C	- ^	4284	mW

Electrical / Optical Characteristics

Item	Symbol	Conditions	Min.	Тур.	Max.	Unit
Forward Voltage	VF		16.8	18.6	-	V
Average Brightness (Without LCD)	IV	IF=120mA	20500	23500	-	cd/m ²
CIE Color Coordinate	X		0.25	0.28	0.31	
(Without LCD)	Υ		0.25	0.28	0.31	-
Color			White			



Other Description

Item	Conditions	Description
Life Time	Ta =25°C IF= 120mA	30,000 hrs



1.7 Touch Panel Specification

1.7.1 Optical Characteristics

Item	Specification
1.Transparency	78% Min

1.7.2 Mechanical Characteristic

Item	Specification
1.Input Method	Finger or stylus pen
2.Hardness of surface	3H -pressure 500g of ,45deg.
3.Activation Force	120gf less individual point with stylus pen(R0.8)
	Activation force guarantee area:3.0mm inside of Active Area.
4.Linearity Force	120gf less input with stylus pen(R0.8)
	Activation force guarantee area:3.0mm inside of Active Area.

1.7.3 Electrical Characteristics

ltem	Specification
1.Rated Voltage	DC 5V(DC 7V Max)
2.Resistance Between	Direction X (Film side): 200Ω~ 1050Ω
Terminals.	Direction Y (Glass side): 100Ω~ 900Ω
3.Insulation Resistance	20 M Ω or more (DC 25 V 1min)
4.Linearity	±1.5%. Linearity(%)= ΔV/ (EV-SV) *100. ΔV: The difference between the ideal voltage and measured voltage on the each measuring line. SV: Voltage of starting Points. EV: Voltage of Ending Points. (Test condition refers to 1.7.2 item4)
5.Bouncing	<10ms (Tip R 3.75mm, hardness 10 °~20 °, silicon rubber ,500gf operation : 40 mm/sec)



1.7.4 Reliability Characteristic

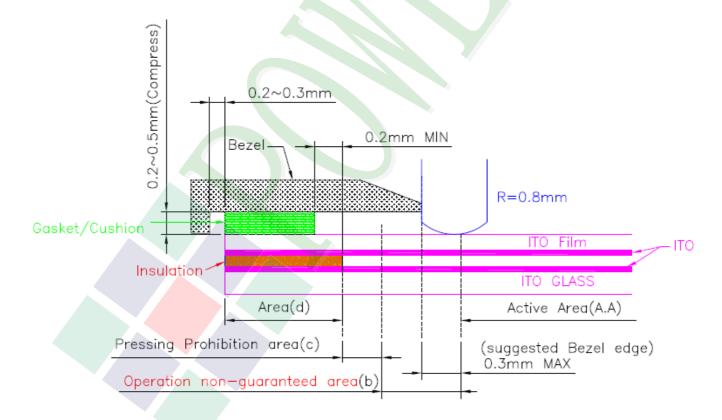
NO	Test Item	Test Condition	Test Result
	Hitting Durability	1,000,000times min.(R 8 mm	Follow 1.7.3 item2 and
1		Silicon Rubber Hardness	item4.
		60°250gf 3times/sec).	
2	Pen Sliding Durability	100,000 times min	Follow 1.7.3 item2 and
		(TipR0.8mm).	item4.
		ψ9mm steel ball is dropped on	No Crack
3	Impact Resistance	the surface from 30 cm height	
		at 1 time.	
4	Flexible pattern Bending	Bending 3 times by bending	Follow 1.7.3 item2.
4	Resistance	radius R1.0 mm	



1.7.5 Touch Panel Design/Handing Guide

- (1) Keep the gap, for example 0.2 to 0.3mm, between bezel edge and T/P edge.

 The reason is to avoid the bezel edge from contacting T/P surface that may cause "short" with bottom layer
- (2) Insertion a cushion material is recommended.
- (3) The cushion material should be limited on the busbar insulation paste area. If it is over the transparent insulation paste area, a "short" may be occurred.
- (4) Do not to use an adhesive tape to bond it on the front of T/P and hang it to the housing bezel.
- (5) Never expand the T/P top layer (PET Film) like a balloon by internal air pressure. The life of the T/P will extremely decreasing.
- (6) Top layer, PET, dimension is changing base on environment temperature and humidity. Please avoid a stress from housing bezel to top layer, because it may cause "waving".
- (7) The input to the Touch Panel sometimes distorts touch panel itself.
- (8)To use the stylus pen or fingernail sliding at the edge of the housing is prohibited. It would cause the cracking of the ITO coating and damage the touch panel. It also request not to press this area while assembling
- (9) Purpose: In order to prevent accidental use and performance deterioration, please keep the following precautions.



In order to prevent unusual performance degradation and malfunction of a touch panel, please carry out the set case designing and a touch panel assembling method after surely considering the definition of each area illustrated in above figure.



Area(a): Active area

The active area is guaranteed the position data detectable precision, operation force and other operations. it is strongly recommended to place the operation button or menu keys within the active area. Due to structure, the active area is less durable at the edge or close to the edge.

Area(b): Operation non-guaranteed area

This area does not guarantee a touch panel operation and its function. When this area is pressed, touch panel shows degradation of its performance and durability such as a pen sliding durability becomes about one-tenth compared with the active area (area-(a) as guaranteed area) and its operation force requires about double. About 0.5 mm outside from a boundary of the active area corresponds to this area.

Area(c): Pressing prohibition area

The area which forbids pressing, because an excessive load is applied to a transparent electrode (ITO) and a serious damage is given to a touch panel function by pressing. About 0.5 mm outside from Operation non-guaranteed area.

Area(d): Non-Active area

The area does not activate even if pressed.



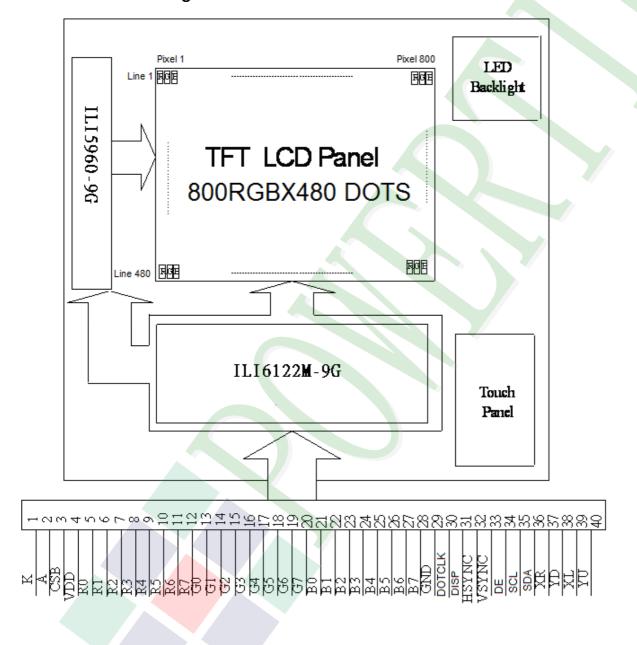
2. MODULE STRUCTURE

2.1 Counter Drawing

2.1.1 LCM Mechanical Diagram

* See Appendix

2.1.2 Block Diagram





2.2 Interface Pin Description

Pin No.	Symbol	Function
1	LED-	Power supply for LED Backlight cathode input
2	LED+	Power supply for LED Backlight anode input
3	CS(NC)	Chip select pin of serial interface.
4	VDD	Digital power
5	R0	Red data bit 0
6	R1	Red data bit 1
7	R2	Red data bit 2
8	R3	Red data bit 3
9	R4	Red data bit 4
10	R5	Red data bit 5
11	R6	Red data bit 6
12	R7	Red data bit 7
13	G0	Green data bit 0
14	G1	Green data bit 1
15	G2	Green data bit 2
16	G3	Green data bit 3
17	G4	Green data bit 4
18	G5	Green data bit 5
19	G6	Green data bit 6
20	G7	Green data bit 7

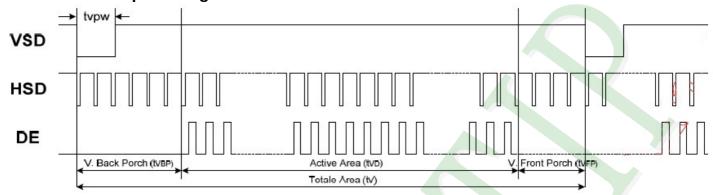


Pin No.	Symbol	Function
21	В0	Blue data bit 0
22	B1	Blue data bit 1
23	B2	Blue data bit 2
24	В3	Blue data bit 3
25	B4	Blue data bit 4
26	B5	Blue data bit 5
27	B6	Blue data bit 6
28	B7	Blue data bit 7
29	GND	Ground
30	DOTCLK	Dot data clock, latching data at the rising edge
31	DISP	Display on/ off
32	HSYNC	Horizontal sync input
33	VSYNC	Vertical sync input
34	DE	Data enable
35	SCL(NC)	Data input and output in Serial communication/No connection when no using serial communication
36	SDA(NC)	Clock input in Serial communication / No connection when no using serial communication
37	XR	TP: X right
38	YD	TP: Y bottom
39	XL	TP: X left
40	YU	TP: Y top



2.3 Timing Characteristics

2.3.1 Vertical input timing

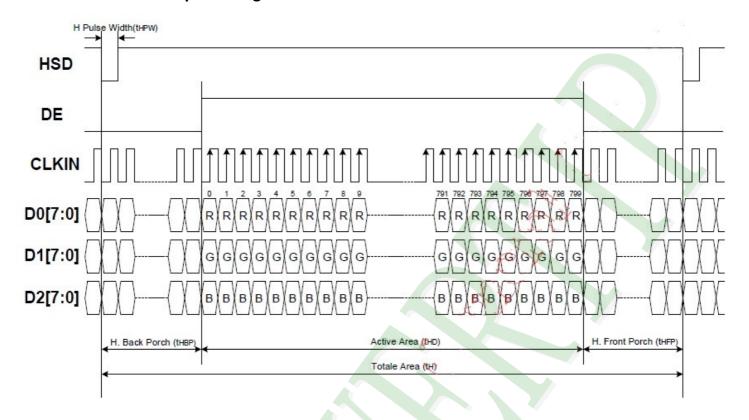


Doromotor	Cumbal	Value			Ulait
Parameter	Symbol	Min	Тур	Max	Unit
Vertical display area	tvd		480		Н
VSD period time	tv	510	525	650	Н
VSD pulse width	tvpw	1	-	20	Н
VSD Back	tvh	23	23	23	П
Porch(Blanking)	tvb	23	23	23	Η
VSD Front Proch	tvfb	7	22	147	Н





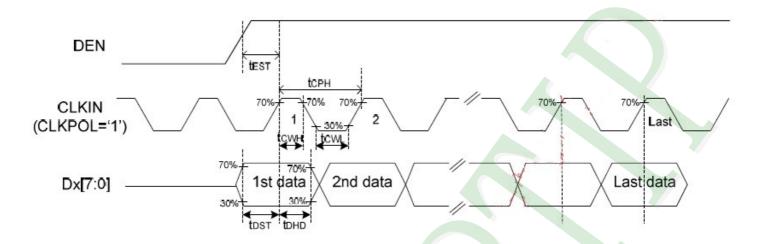
2.3.2 Horizontal input timing



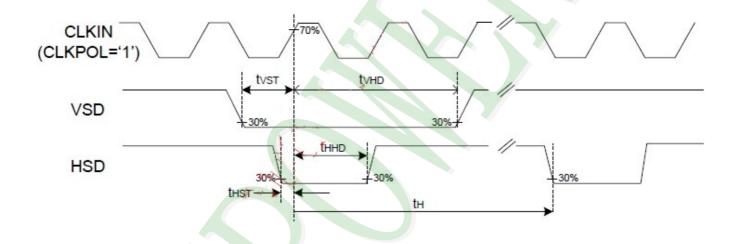
Parameter		Symb		Value		Unit
Farameter		ol	Min	Тур	Max	Offic
Horizontal display	y area	thd		800		DCLK
DCLK frequer	псу	fclk	-	33.3	50	MHz
1 Horizontal L	ine	th	862	1056	1200	
	Min		-	1		
HSD pulse	Тур	thpw	_	<u></u>		
width	Max		_	40		DCLK
HSD Back Porch (Blacking)		thp	46	46	46	
HSD Front Proch		thfb	16	210	354	



2.3.2 Input Clock and Data Timing DE Mode



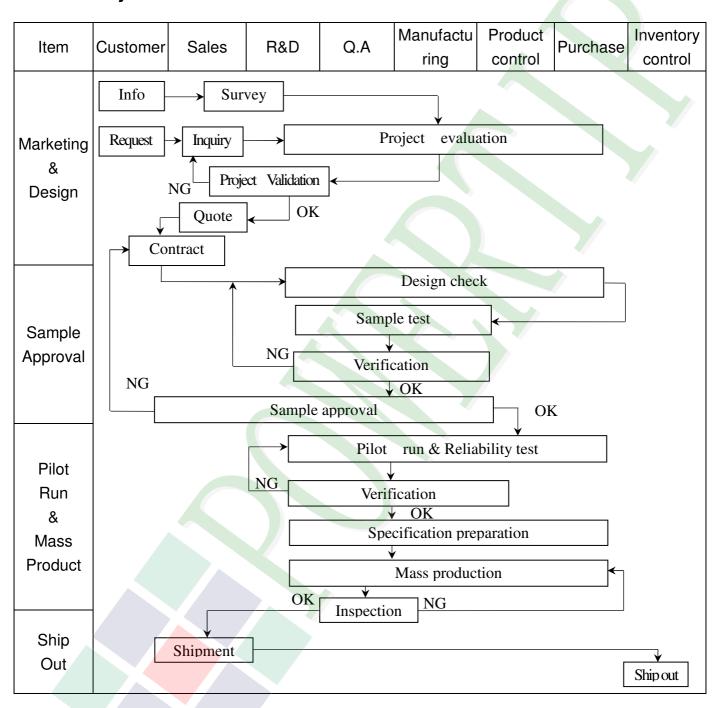
SYNC Mode



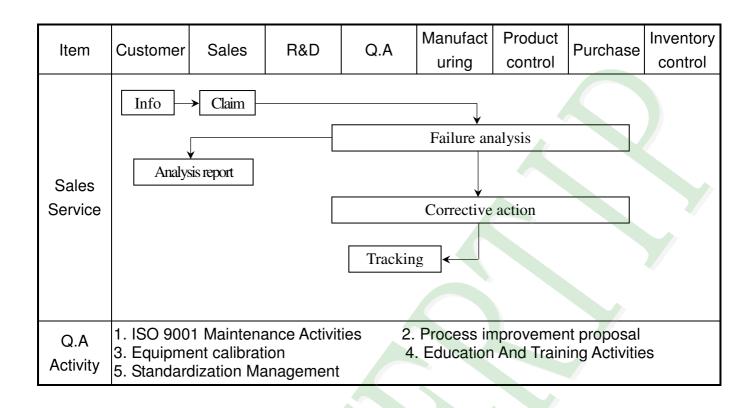


3. QUALITY ASSURANCE SYSTEM

3.1 Quality Assurance Flow Chart



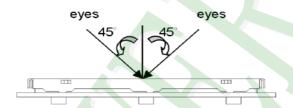




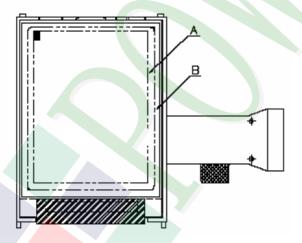


3.2 Inspection Specification

- ◆Scope: The document shall be applied to TFT-LCD Module for 3. 5" ~10" (Ver.B01).
- ◆Inspection Standard: MIL-STD-105E Table Normal Inspection Single Sampling Level Ⅱ.
- ◆Equipment: Gauge · MIL-STD · Powertip Tester · Sample
- ◆Defect Level: Major Defect AQL: 0.4; Minor Defect AQL: 1.5
- **♦**OUT Going Defect Level: Sampling.
- ◆Standard of the product appearance test:
 - a. Manner of appearance test:
 - (1). The test best be under 20W×2 fluorescent light, and distance of view must be at 30 cm.
 - (2). The test direction is base on about around 45° of vertical line.



(3). Definition of area.



A area: viewing area

B area: Outside of viewing area

(4). Standard of inspection: (Unit: mm)



◆Specification For TFT-LCD Module 3. 5" ~10":

(Ver.B01)

NO	Item	Criterion	Level		
		1. 1The part number is inconsistent with work order of production.			
01	01 Product condition	1. 2 Mixed product types.			
		1. 3 Assembled in inverse direction.	Major		
02	Quantity	2. 1The quantity is inconsistent with work order of production.	Major		
03	Outline dimension	3. 1 Product dimension and structure must conform to structure diagram.	Major		
		4. 1 Missing line character and icon.	Major		
	04 Electrical Testing	4. 2 No function or no display.			
04		4. 3 Display malfunction.			
		4. 4 LCD viewing angle defect.			
		4. 5 Current consumption exceeds product specifications.			
		Item Acceptance (Q'ty)			
	Dot defect	Bright Dot ≤ 4			
	Dot defect	Dot Dark Dot ≤ 5			
	(Bright dot \	Defect Joint Dot ≤ 3			
	Dark dot)	Total ≤ 7	Minor		
	On -display	 5. 1 Inspection pattern: full white, full black, Red, Green and blue screens. 5. 2 It is defined as dot defect if defect area >1/2 dot. 5. 3 The distance between two dot defect ≥5 mm. 			



◆Specification For TFT-LCD Module 3. 5″ ~10″:

(Ver.B01)

NO	Item	Criterion	Level
	6. 1 Round type (Non-display or display):		
		Dimension (diameter : Φ) Acceptance (Q'ty) A area B area	
	Black or white dot \(\cdot \) scratch \(\cdot \)	$\Phi \le 0.25$ Ignore	
	contamination	$0.25 < \Phi \leq 0.50$	
	Round type	$\Phi > 0.50$ Ignore	
	$\begin{array}{c c} & & & \\ & & & \\ \hline & & & \\ \hline & & & \\ \hline \end{array}$	Total 5	
06	$\Phi = (x+y)/2$	6. 2 Line type(Non-display or display) :	Minor
	₽ −(X + y) / 2	Length (L) Width (W) Acceptance (Q'ty)	
	Line type	A area B area	
	▼ W	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
	L	$L \le 5.0$ $0.05 < W \le 0.10$ 2 Ignore	
		W >0.10 As round type	
		Total 5	
		Dimension (diameter : Φ) Acceptance (Q'ty)	
		$\Phi \le 0.25$ Ignore B area	
07	Polarizer	$0.25 < \Phi \le 0.50$	Minor
UI	Bubble	$0.50 < \Phi \le 0.80$ 1 Ignore	MIHOL
		$\Phi > 0.80$	
		Total 5	



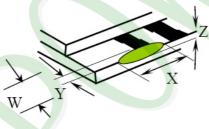
◆Specification For TFT-LCD Module 3. 5" ~10": (Ver.B01)

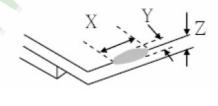
NO	Item	Criterion		Level
		Z: The thickness of crack	Y : The width of crack. W : terminal length a : LCD side length	
		8.1 General glass chip: 8.1.1 Chip on panel surface and cra	nck between panels:	
		Y Z Z	Z X	
08	The crack of glass	SP Y (OK)	[NG]	Minor
		Seal width Z	Y	
		X Y	z	
		≤ a Crack can't enter viewing area	≤1/2 t	
		≤ a Crack can't exceed the half of SP width.	$1/2 t < Z \leq 2 t$	

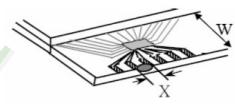


◆Specification For TFT-LCD Module 3, 5" ~10": (Ver.B01) NO Item Criterion Level Symbols: X: The length of crack Y: The width of crack. Z: The thickness of crack W: terminal length t: The thickness of glass a: LCD side length 8.1.2 Corner crack: \mathbf{X} Z Y Crack can't enter $\leq 1/5$ a $Z \leq 1/2 t$ viewing area Crack can't exceed the $\leq 1/5$ a $1/2 t < Z \leq 2 t$ half of SP width. 08 The crack of glass Minor 8.2 Protrusion over terminal:

8.2.1 Chip on electrode pad:







	X	Y	Z
Front	$\leq a$	$\leq 1/2 \mathrm{W}$	≦ t
Back	$\leq a$	≦ W	$\leq 1/2 t$



◆Specification For TFT-LCD Module 3. 5″ ~10″: (Ver.B01)

NO	Item	Criterion		
	The crack of glass		Level	



◆Specification For TFT-LCD Module 3. 5" ~10":

(Ver.B01)

NO	Item	Criterion	Level
09	Backlight elements	9. 1 Backlight can't work normally.	Major
		9. 2 Backlight doesn't light or color is wrong.	Major
		9, 3 Illumination source flickers when lit.	Major
10	General	10. 1 Pin type \quantity \dimension must match type in structure diagram.	Major
		10. 2 No short circuits in components on PCB or FPC.	Major
		10. 3 Parts on PCB or FPC must be the same as on the production characteristic chart . There should be no wrong parts, missing parts or excess parts.	Major
		10. 4 Product packaging must the same as specified on packaging specification sheet.	Minor
		10. 5 The folding and peeled off in polarizer are not acceptable.	Minor
		10. 6 The PCB or FPC between B/L assembled distance(PCB or FPC) is ≤1.5 mm.	Minor



4. RELIABILITY TEST

4.1 Reliability Test Condition

(Ver.B01)

NO. TEST ITEM High Temperature Storage Test Low Temperature Storage Test High Temperature / High Humidity Storage Test Temperature Cycling Storage Test ESD Test Vibration Test (Packaged) Drop Test (Packaged)	Reliability Test Condition (Ver.Bot)				
1 Storage Test 2 Low Temperature Storage Test 3 High Temperature / High Humidity Storage Test 4 Temperature Cycling Storage Test 5 ESD Test 6 Vibration Test (Packaged) 7 Drop Test		TEST CONDITION			
High Temperature / High Humidity Storage Test Temperature Cycling Storage Test ESD Test Vibration Test (Packaged) Drop Test	Keep in +80 ±2℃ 96 hrs Surrounding temperature, then storage at normal condition 4hrs.				
High Humidity Storage Test Temperature Cycling Storage Test ESD Test Vibration Test (Packaged) Drop Test	Keep in -30 ±2°C 96 hrs Surrounding temperature, then storage at normal condition 4hrs.				
5 ESD Test 6 Vibration Test (Packaged) 7 Drop Test	Keep in +60 °C / 90% R.H duration for 96 hrs Surrounding temperature, then storage at normal condition 4hrs. (Excluding the polarizer)				
6 Vibration Test (Packaged) 7 Drop Test	$-30^{\circ}\text{C} \rightarrow +25^{\circ}\text{C} \rightarrow +80^{\circ}\text{C} \rightarrow +25^{\circ}\text{C}$ $(30\text{mins}) (5\text{mins}) (5\text{mins})$ 10 Cycle Surrounding temperature, then storage at normal condition 4hrs.				
(Packaged) 7 Drop Test	Air Discharge: Apply 2 KV with 5 times Discharge for each polarity +/- 1. Temperature ambiance: 15°C ~35°C 2. Humidity relative: 30% ~60% 3. Energy Storage Capacitance(Cs+Cd): 150pF±10% 4. Discharge Resistance(Rd): 330 Ω±10% 5. Discharge, mode of operation: Single Discharge (time between successive discharges at least 1 sec) (Tolerance if the output voltage indication: ±5%)				
	 Sine wave 10~55 Hz frequency (1 min/sweep) The amplitude of vibration :1.5 mm Each direction (X \ Y \ Z) duration for 2 Hrs 				
	Drop Direct	Packing Weight (Kg) 0 ~ 45. 4 45. 4 ~ 90. 8 90. 8 ~ 454 Over 454 tion: **1 corner / 3 edge	122 76 61 46		



5. PRECAUTION RELATING PRODUCT HANDLING

5.1 SAFETY

- 5.1.1 If the LCD panel breaks, be careful not to get the liquid crystal to touch your skin.
- 5.1.2 If the liquid crystal touches your skin or clothes, please wash it off immediately by using soap and water.

5.2 HANDLING

- 5.2.1 Avoid any strong mechanical shock which can break the glass.
- 5.2.2 Avoid static electricity which can damage the CMOS LSI—When working with the module, be sure to ground your body and any electrical equipment you may be using.
- 5.2.3 Do not remove the panel or frame from the module.
- 5.2.4 The polarizing plate of the display is very fragile. So , please handle it very carefully ,do not touch , push or rub the exposed polarizing with anything harder than an HB pencil lead (glass , tweezers , etc.)
- 5.2.5 Do not wipe the polarizing plate with a dry cloth, as it may easily scratch the surface of plate.
- 5.2.6 Do not touch the display area with bare hands, this will stain the display area.
- 5.2.7 Do not use ketonics solvent & aromatic solvent. Use with a soft cloth soaked with a cleaning naphtha solvent.
- 5.2.8 To control temperature and time of soldering is 320±10°C and 3-5 sec.
- 5.2.9 To avoid liquid (include organic solvent) stained on LCM.

5.3 STORAGE

- 5.3.1 Store the panel or module in a dark place where the temperature is 25° C $\pm 5^{\circ}$ C and the humidity is below 65% RH.
- 5.3.2 Do not place the module near organics solvents or corrosive gases.
- 5.3.3 Do not crush, shake, or jolt the module.

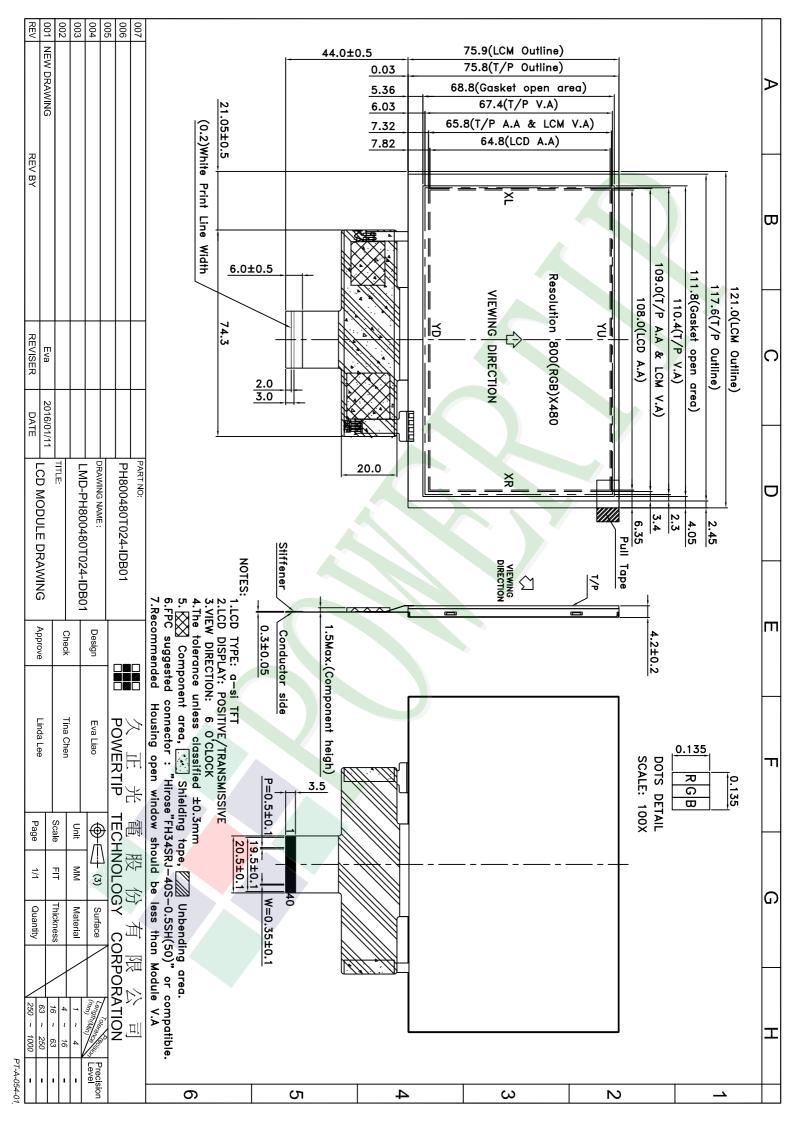
5.4 TERMS OF WARRANTY

5.4.1 Applicable warrant period

The period is within thirteen months since the date of shipping out under normal using and storage conditions.

5.4.2 Unaccepted responsibility

This product has been manufactured to your company's specification as a part for use in your company's general electronic products. It is guaranteed to perform according to delivery specifications. For any other use apart from general electronic equipment, we cannot take responsibility if the product is used in nuclear power control equipment, aerospace equipment, fire and security systems or any other applications in which there is a direct risk to human life and where extremely high levels of reliability are required.



Approve Check Contact Ver.002 LCM包裝規格書 LCM Packaging Specifications Linda Tina Eva Documents NO. | PKG-PH800480T024-IDB01 (For Tray) 1.包裝材料規格表 (Packaging Material): (per carton) No. Model Dimensions (mm) 1Pcs Weight Quantity Total Weight PH800480T024-IDB01 1 成品 (LCM) 121.0 X 75.9 144 0.0801 11.5344 2 多層薄膜(1)POF 19"X350X0.015 6 OTFILM0BA03ABA 3 TRAY 盤 (2)Tray 352 X 260 X 12.8 42 TY00000000308 0.0965 4.053 舒美墊(3) EPE 350 X 255 X 5 4 FOAM000000047 0.011 6 0.066 5 内盒(4)Product Box BX36627063ABBA 383 X 270 X 66 0.182 6 1.092 OTPLB00PL08ABA 2 0.0568 6 保利龍板(5)Polylon board 550 X 393 X 20 0.0284 7 外紙箱(6)Carton BX57041027CCBA 570 X 410 X 265 1.0 1.0 8 9 Kg±10% 2.一 整箱總重量 (Total LCD Weight in carton): 3.單箱數量規格表 (Packaging Specifications and Quantity): (1)LCM quantity per box: no per tray x no of tray 6 24 (2)Total LCM quantity in carton: quantity per box x no of boxes 24 144 6 (5)保利龍板 Polylon board Use empty tray 空盤 (1)多層薄膜 POF Put products into the tray (2)TRAY 盤 (5)保利龍板 Tray Polylon board (3)EPE (4)内盒 Tray stacking Product Box (6)外紙箱 Carton 特 記 事 項 (REMARK) Detail B 斜角 Tray 1 4.TRAY盤相疊時,需旋轉180度,請詳見B視圖 Rotate tray 180 degrees and place on top of stack. Check the tray stack using Fig. B.