_	_		_		_
$\sim$	-	_	$\sim$	$\boldsymbol{FI}$	
<b>6 D</b>			1 <sup>-</sup> /		$\sim$
O.			CAT		N .

CUSTOMER . CES008

SAMPLE CODE · SH640480T-003-I13Q

MASS PRODUCTION CODE . PH640480T-003-I13Q

SAMPLE VERSION . 01

SPECIFICATIONS EDITION . 002

DRAWING NO. (Ver.) . LMD- PH640480T-003-I13Q (Ver.001)

PACKAGING NO. (Ver.) . PKG- PH640480T-003-I13Q (Ver.001)

# **Customer Approved**

Date:

Approved	Checked	Designer
廖志豪	張慶源	張佳琍
Rex Liao	Yuan Chang	Poly Chang

2011.12.27

- Preliminary specification for design input
- Specification for sample approval

### POWERTIP TECH. CORP.

Headquarters:

No.8, 6<sup>th</sup> Road, Taichung Industrial Park,

Taichung, Taiwan

台中市 407 工業區六路 8號

TEL: 886-4-2355-8168

FAX: 886-4-2355-8166

E-mail: sales@powertip.com.tw

Http://www.powertip.com.tw



# **History of Version**

Date (mm / dd / yyyy)	Ver.	Edi.	Description	Page	Design by
10/19/2011	01	001	New Drawing	-	Poly
12/26/2011	01	002	New Sample	-	Poly
					<u></u>

Total: 25 Page



### **Contents**

### 1. SPECIFICATIONS

- 1.1 Features
- 1.2 Mechanical Specifications
- 1.3 Absolute Maximum Ratings
- 1.4 DC Electrical Characteristics
- 1.5 Optical Characteristics

### 2. MODULE STRUCTURE

- 2.1 Counter Drawing
- 2.2 Interface Pin Description
- 2.3 Timing Characteristics
- 2.4 Color Data Assignment

### 3. QUALITY ASSURANCE SYSTEM

- 3.1 Quality Assurance Flow Chart
- 3.2 Inspection Specification

### 4. RELIABILITY TEST

4.1 Reliability Test Condition

# 5. PRECAUTION RELATING PRODUCT HANDLING

- 5.1 Safety
- 5.2 Handling
- 5.3 Storage
- 5.4 Terms of Warranty

### Appendix:

- 1. LCM Drawing
- 2. Packaging Specification

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

Primacy(TFT LCD): Himax: HX8250-A & HX8678-A

LVDS (Receiver IC):Thine: THC63LVDF84B



### 1. SPECIFICATIONS

### 1.1 Features

Item	Standard Value		
Display Type	640 * 3 (RGB) * 480 Dots		
LCD Type	a-Si TFT , Normally white , Transmissive type		
Screen size(inch)	5.7 inch		
Viewing Direction	6 O'clock		
Color configuration	RGB-Strip		
Backlight Type	LED B/L (White)		
Interface	LVDS Interface for 6bit application		
Other(controller/ driver IC)	HX8250-A (Source IC) & HX8678-A (Gate IC) (Or Compatible IC)		
LVDS drive IC	THC63LVDF84B (Receiver) THC63LVDM83D (Transmitter for Customer Use)		
ROHS	THIS PRODUCT CONFORMS THE ROHS OF PTC  Detail information please refer web side : <a href="http://www.powertip.com.tw/news.php?area">http://www.powertip.com.tw/news.php?area</a> id view=108556048		

# 1.2 Mechanical Specifications

Item	Standard Value	Unit
Outline Dimension	143.2(W) * 103.8 (L) * 12.7(H)(Max)	mm

## LCD panel

Item	Standard Value	Unit
Active Area	115.2 (W) * 86.4 (L)	mm

Note: For detailed information please refer to LCM drawing



# 1.3 Absolute Maximum Ratings

#### **Module**

**Module** 

Item	Symbol	Condition	Min.	Max.	Unit
System Power Supply Voltage	VCC	GND=0	-0.3	7.0	V
Operating Temperature	$T_OP$	-	-20	70	°C
Storage Temperature	$T_{ST}$	1	-30	80	°C

### 1.4 DC Electrical Characteristics

Item	Symbol	Condition	Min.	Тур.	Max.	Unit
Power Supply Voltage	VCC	-	3.0	3.3	3.6	٧
Input H/L Level Voltage	VIH	-	0.7VCC	<del>-</del>	VCC	٧
input in Level voltage	VIL	-	0	-	0.3VCC	٧
Supply Current	l	VCC = 3.3 V Pattern= Pattern display	-	85	-	mA
Зарріу Сапені	I <sub>CC</sub>	VCC = 3.3 V Pattern= black *1		95	145	mA

Note1:Maximum current display

**Backlight** 

GND = 0V, Ta = 25°C

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

Item	Symbol	Condition	Min.	Тур.	Max.	Unit
Power Supply Voltage	VBL	-	-	12	20	<b>\</b>
Supply Current	IBL	VBL=12V	-	250	300	mA



# 1.5 Optical Characteristics

### **TFT LCD Module**

VCC = 3.3 V, Ta=25°C

Item	Item		Condition	Min.	Тур.	Max.	unit	
Response time		Tr+Tf	Ta = 25°C θX, θY = 0°		35		ms	Note 2
	Тор	θΥ+		-	55	-		
Viowing angle	Bottom	θΥ-	CR ≥ 10	1	70	-	Dog	Note 4
Viewing angle	Left	θX-	CR 2 10	-	70	ı	Deg.	Note 4
	Right	θΧ+		4	70	-		
Contrast rati	0	CR		•	500	-		Note 3
	White	Х		0.26	0.31	0.36		
	vviile	Y	VBL=12V	0.29	0.34	0.39		
	Red	Х		0.56	0.61	0.66		
Color of CIE Coordinate	Reu	Υ	Ta = 25°C	0.31	0.36	0.41		Note1
( With B/L )	Green	Х	$\theta X$ , $\theta Y = 0^{\circ}$	0.30	0.35	0.40		NOLET
	Green	Y		0.54	0.59	0.64		
	Blue	X		0.10	0.15	0.20		
	Diue	Υ		0.06	0.11	0.16		
Average Brightr	Average Brightness							
Pattern=white display		IV	VBL= 12V	350	400	-	cd/m <sup>2</sup>	Note1
(With LCD)*1								
Uniformity (With LCD)*	2	В	VBL= 12V	70	-	-	%	Note1



#### Note 1:

\*1 : △B=B(min) / B(max) \* 100%

\*2 : Measurement Condition for Optical Characteristics:

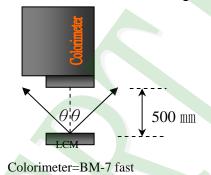
a: Environment: 25 ±5 / 60±20%R.H, no wind, dark room below 10 Lux at typical lamp current and typical operating frequency.

b : Measurement Distance:  $500 \pm 50 \text{ mm}$ ,  $(\theta = 0^\circ)$ 

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%





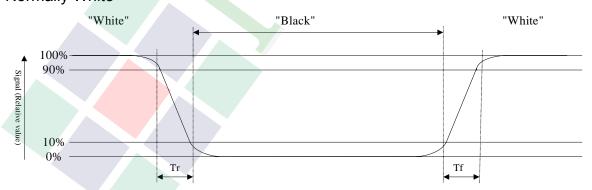
To be measured at the center area of panel with a viewing cone of 1° by Topcon luminance meter BM-7, after 10 minutes operation (module)

#### 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.

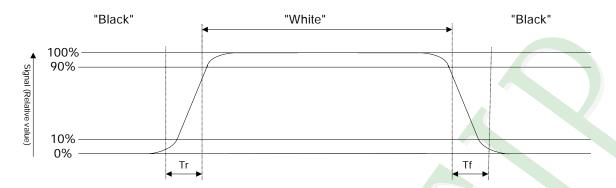
### Refer to figure as below:

#### Normally White





### Normally Black



Note3: Definition of contrast ratio:

Contrast ratio is calculated with the following formula

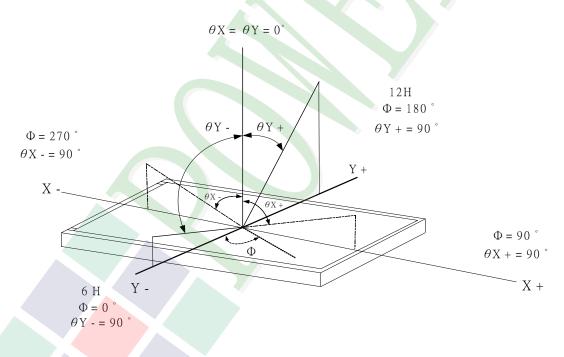
Photo detector output when LCD is at "White" state

Contrast ratio (CR) =

Photo detector output when LCD is at "Black" state

Note4: Definition of viewing angle:

Refer to figure as below:

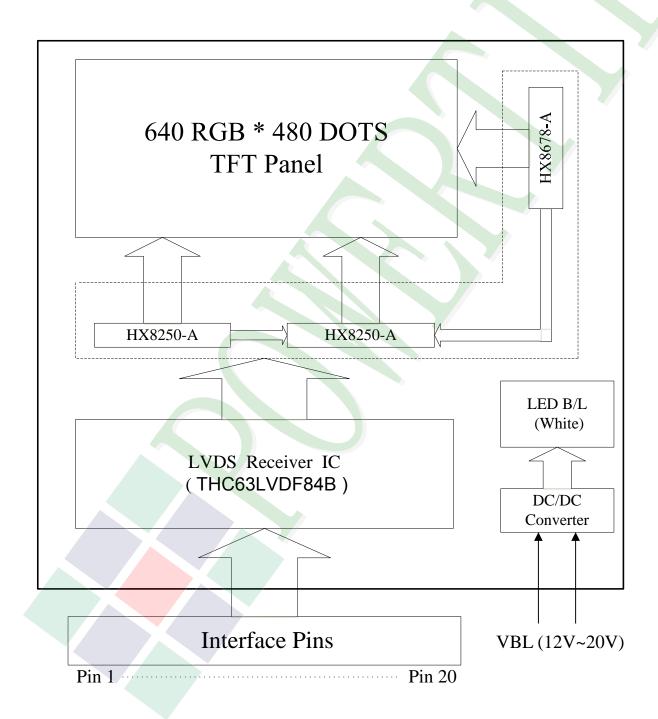




### 2. MODULE STRUCTURE

# 2.1 Counter Drawing

- 2.1.1 LCM Mechanical Diagram
  - \* See Appendix
- 2.1.2 Block Diagram





# 2.2 Interface Pin Description

# LVDS Interface (CN2)

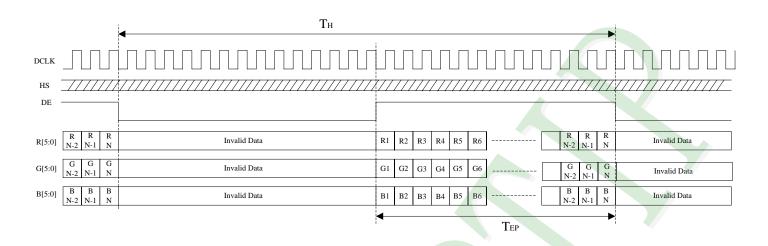
Pin No.	Symbol	Function
1	VCC	+3.3V Power Supply
2	VCC	+3.3V Power Supply
3	GND	Ground
4	GND	Ground
5	RA-	LVDS receiver signal channel A (R2~R7,G2)
6	RA+	LVDS receiver signal channel A(R2~R7,G2)
7	GND	Ground
8	RB-	LVDS receiver signal channel B (G3~G7,B2,B3)
9	RB+	LVDS receiver signal channel B (G3~G7,B2,B3)
10	GND	Ground
11	RC-	LVDS receiver signal channel C (B4~B7, Hsync, Vsync,DE)
12	RC+	LVDS receiver signal channel C (B4~B7, Hsync, Vsync,DE)
13	GND	Ground
14	RCLK-	LVDS receiver signal clock
15	RCLK+	LVDS receiver signal clock
16	GND	Ground
17	NC	No connection
18	NC	No connection
19	GND	Ground
20	GND	Ground

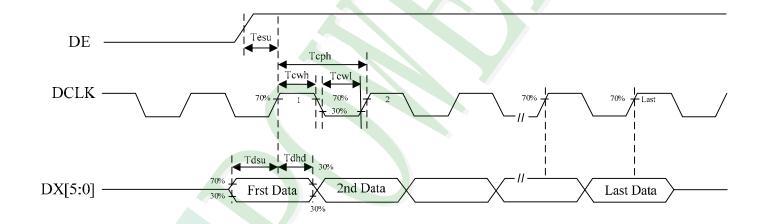
# LED Backlight (CN1)

Pin No.	Symbol	Function
Α	-	12V~20V Power Supply
K	-	Ground



## 2.3 Timing Characteristics

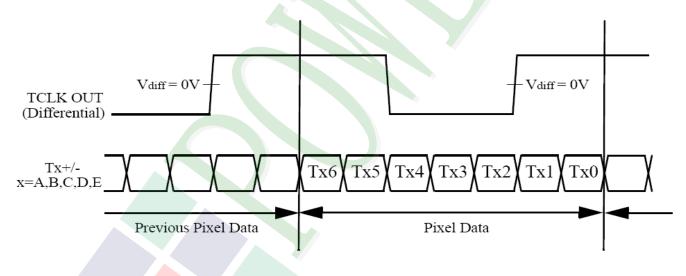






PARAMETER	Symbol		Unit		
1740 WIETER	Cymbol	Min.	Тур.	Max.	Onne
DCLK Period	Tcph		39.7	-	ns
DCLK Pulse Duty	Tcwh	40	50	60	%
HS Period	Тн		800		Tcph
DE Pulse Width	TEP		640		Tcph
DE Setup Time	Tesu	10	-		ns
Data Setup Time	Tdsu	10		,	ns
Data Hold Time	Tdhd	10		)	ns

# **LVDS DATA Timing**





## THC63LVDM83D/F(R)84B Pixel Data Assign (6bit/ 8bit Application)

	6bit	8bit
TA0	R2	R2
TA1	R3	R3
TA2	R4	R4
TA3	R5	R5
TA4	R6	R6
TA5	R7	R7
TA6	G2	G2
TB0	G3	G3
TB1	G4	G4
TB2	G5	G5
TB3	G6	G6
TB4	G7	G7
TB5	B2	B2
TB6	B3	B3
TC0	B4	B4
TC1	B5	B5
TC2	B6	B6
TC3	B7	B7
TC4	Hsync	Hsync
TC5	Vsync	Vsync
TC6	DE	DE
TD0	-	R0
TD1	-	R1
TD2	-	G0
TD3	-	G1
TD4	-	B0
TD5	-	B1
TD6	-	N/A

Note: For 6bit application, use A~C channel and open TD+/- pin.



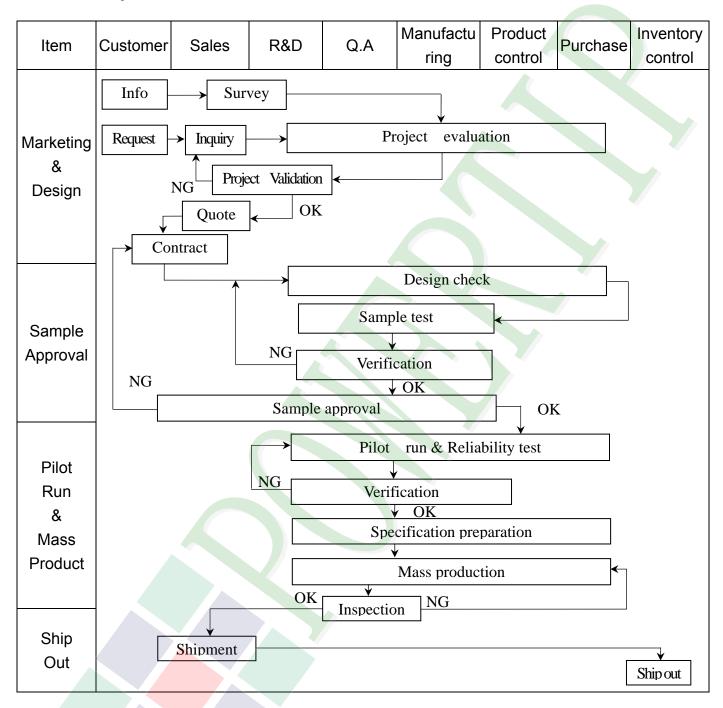
# **2.4** Color Data Assignment

COLOR	INPUT		F	R DA	TΑ					G D/	ΔTΑ					B D	ΔTA		
	DATA	R5	R4	R3	R2	R1	R0	G5	G4	G3	G2	G1	G0	B5	В4	В3	B2	В1	В0
		MSB					LSB	MSB					LSB	MSB					LSB
	BLACK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	RED(63)	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
BASIC	GREEN(63)	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0
COLOR	BLUE(63)	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	CYAN	0	0	0	0	0	0	1	1	1	1	1	1	1	1	7	1	1	1
	MAGENTA	1	1	1	1	1	1	0	0	0	0	0	9	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
	RED(0)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	RED(1)	0	0	0	0	0	1	0	0	0	0	0	0	0	0 .	0	0	0	0
	RED(2)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
RED																			
	RED(62)	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	RED(63)	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	GREEN(0)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GREEN(1)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	GREEN(2)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
GREEN																			
			L																
	GREEN(62)	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0
	GREEN(63)	0	0	0	0	0	0	1	_1	1	1	1	1	0	0	0	0	0	0
	BLUE(0)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	BLUE(1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	BLUE(2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
BLUE											_								
	BLUE(62)	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
	BLUE(63)	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1

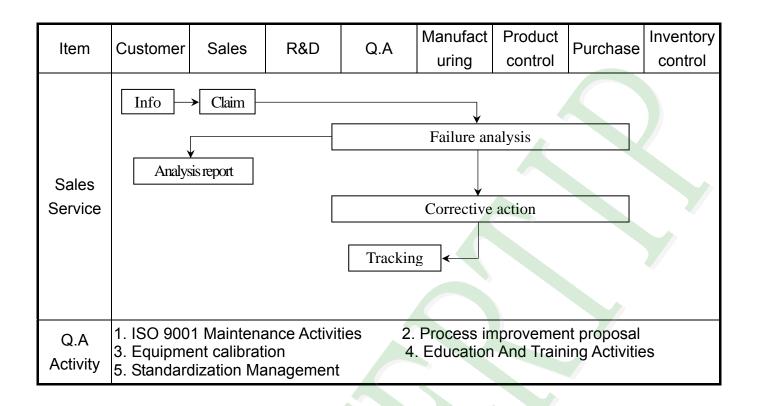


## 3. QUALITY ASSURANCE SYSTEM

## 3.1 Quality Assurance Flow Chart



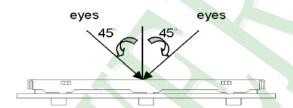




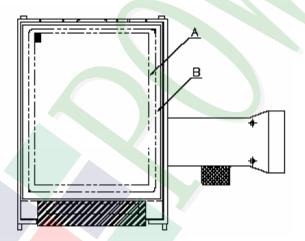


### 3.2. Inspection Specification

- ◆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)



NO	Item	Criterion	Level			
		1. 1The part number is inconsistent with work order of production.				
01	Product condition	1. 2 Mixed product types.	Major			
		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.				
		4. 1 Missing line character and icon.	Major			
	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.	Major			
		Item Acceptance (Q'ty)				
	Dot defect	Bright Dot ≤ 4				
	Dot defect	Dot Dark Dot ≤ 5				
	(Bright dot \	Defect Joint Dot ≤ 3				
05	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.				



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 \ scratch \	$\Phi \le 0.25$ Ignore	<b>\</b>				
	contamination	$0.25 < \Phi \le 0.50$ 5 Ignore					
	Round type  → X ← ↓	$\Phi > 0.50 \qquad \qquad 0$					
	Y	Total 5					
06	$\Phi = (x+y)/2$	6. 2 Line type( Non-display or display) :	Minor				
	Line type	Length (L) Width (W) Acceptance (Q'ty)					
		A area B area					
	✓ † W	W ≤ 0.03 Ignore					
	→ı <sub>L</sub>	$L \le 10.0$ $0.03 < W \le 0.05$ 4					
		$L \le 5.0$ 0.05 < W $\le 0.10$ 2 Ignore					
		W > 0.10 As round type					
		Total 5					
		Dimension (diameter : Φ) Acceptance (Q'ty) A area B area					
		$\Phi \leq 0.25$ Ignore					
07	Polarizer	$0.25 < \Phi \leq 0.50 \qquad \qquad 4$	Minor				
	Bubble	$0.50 < \Phi \le 0.80$ 1 Ignore					
		$\Phi > 0.80$					
		Total 5					



NO	Item	Criterion						
		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	8. 1 General glass chip: 8. 1. 1 Chip on panel surface and crack between panels:					
		Y 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 ≤2 t					



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

NO	Item	Criterion	Level					
		X: The length of crack Z: The thickness of crack t: The thickness of glass  X: The width of crack W: terminal length a: LCD side length						
		X Y Z						
		$\leq 1/5$ a Crack can't enter viewing area $Z \leq 1/2$ t						
		$\leq 1/5$ a Crack can't exceed the half of SP width. $1/2$ t $<$ Z $\leq 2$ t						
08	The crack of glass	8.2 Protrusion over terminal:	Minor					
		8.2.1 Chip on electrode pad:						
		X X Z X Z Z						
		W X						
		X Y Z						
		Front $\leq$ a $\leq$ 1/2 W $\leq$ tBack $\leq$ a $\leq$ W $\leq$ 1/2 t						



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

NO	Item	Criterion				
NO 08	The crack of glass	Symbols:  X: The length of crack Z: The thickness of crack t: The thickness of glass  8. 2. 2 Non-conductive portion:  X  Y  X  Y  Z  ≤ 1/3 a  SW  St  With the chipped area touches the ITO terminal, over 2/3 of the ITO must remain and be inspected according to electrode terminal specifications.  8. 2. 3 Glass remain:  X  Y  Z  ≤ a  ≤ 1/3 W  St  With evidth of crack. W: terminal length a: LCD side length a: L	Level			



NO	Item	Criterion	Level
		9. 1 Backlight can't work normally.	Major
09	Backlight elements	9. 2 Backlight doesn't light or color is wrong.	Major
		9. 3 Illumination source flickers when lit.	Major
	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		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

# **Reliability Test Condition**

	Tenability lest oo	1.41.011			(VCI.DOI)		
NO.	TEST ITEM		TEST CONDITION				
4	High Temperature	Keep in +80 ±	<b>2°</b> C 96 hrs				
1	Storage Test	Surrounding to	emperature, then sto	rage at normal conditio	n 4hrs.		
2	Low Temperature	Keep in -30 ±2	Keep in -30 ±2°C 96 hrs				
	Storage Test	Surrounding to	Surrounding temperature, then storage at normal condition 4hrs.				
	High Temperature /	Keep in +60 °C	C / 90% R.H duratio	n for 96 hrs			
3	High Humidity	Surrounding to	emperature, then sto	rage at normal conditio	n 4hrs.		
	Storage Test	(Excluding the	e polarizer)				
			-30°C → +25°C -				
4	<b>Temperature Cycling</b>	(30	Omins) (5mins)	(30mins) (5mins)			
	Storage Test		10 C	ycle			
		Surrounding to	emperature, then sto	rage at normal conditio	n 4hrs.		
		Air Discharge:		<b>Contact Discharge:</b>			
	ESD Test	Apply 2 KV wi	ith 5 times	Apply 250 V with 5 times			
		Discharge for o	each polarity +/-	discharge for each polarity +/-			
		1. Temperature ambiance : $15^{\circ}$ C $\sim$ $35^{\circ}$ C					
5		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	he output voltage ind	ication: ±5%)			
	Vibuo4: T4	1. Sine wave	10 55 Hz frequency	y (1 min/sweep)			
6	Vibration Test (Packaged)	2. The amplitude of vibration :1.5 mm					
	(I ackageu)	3. Each direc	ction (X \ Y \ Z) dura	ation for 2 Hrs			
		I	Packing Weight (Kg)	Drop Height (cm)			
			0 ~ 45.4	122			
	Drop Test		45.4 ~ 90.8	76			
7	(Packaged)		90.8 ~ 454	61			
			0ver 454	46			
		Dron Direction	n • %1 corner / 2 adas	es / 6 sides each 1time			
		Drop Direction	ii . % i coi nei / 3 euge	s / O sides each Tullie			



### 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  $25^{\circ}$ 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.

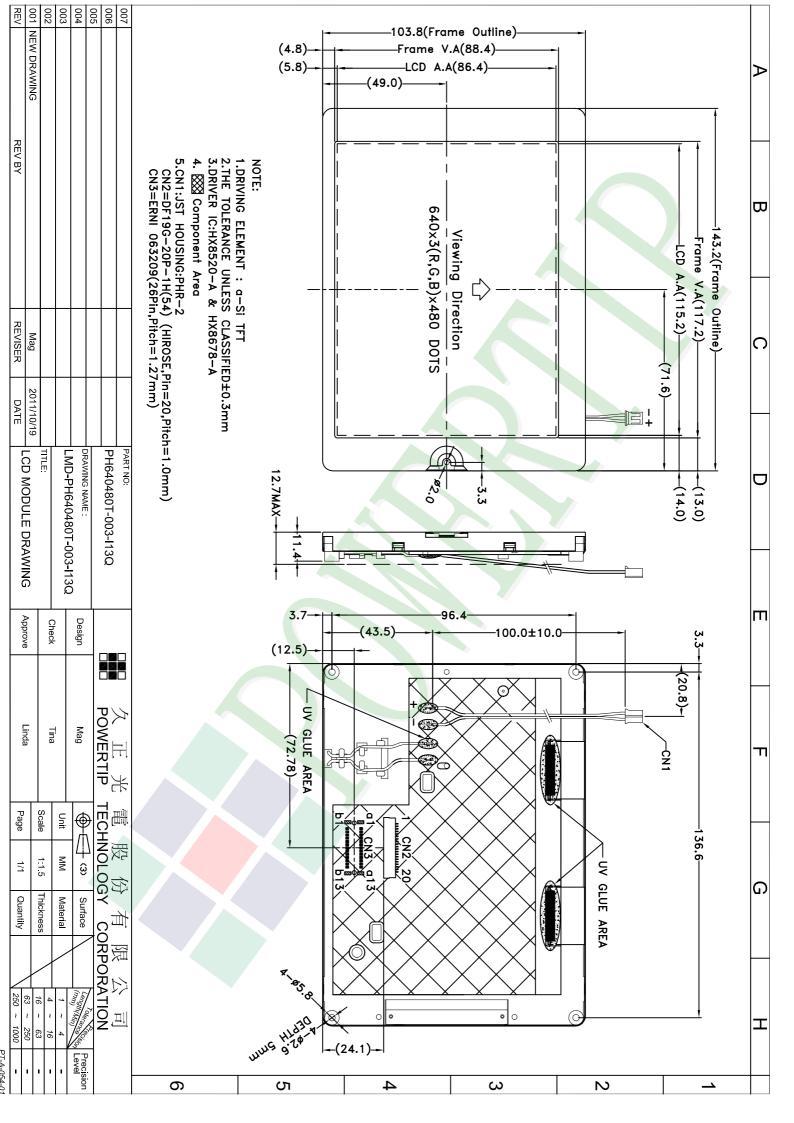
#### **5.4 TERMS OF WARRANTY**

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.001 LCM包裝規格書 Linda Tina Mandy PKG-PH640480T-003-I13O Documents NO. LCM Packaging Specifications 1.包裝材料規格表 (Packaging Material): (per carton) No. Item Model Dimensions (mm) 1Pcs Weight Quantity Total Weight PH640480T-003-I13Q 1 成品 (LCM) 143.2 X 103.8 0.19 56 10.64 抗靜電氣泡袋(1)Bubble Bag 2 BAG170150BRABA 170 X 150 0.0045 56 0.252 A6隔板(2)A6 Partition 3 338 X 125 X 3 16 BX33800012BZBA 0.038 0.608 B6隔板(3)B6 Partition 298 X 125 X 3 4 BX29800012BZBA 0.023 6 0.138 海綿墊(4)Foam Rubber Cushion 5 330 X 290 X 10 4 OTFOAM00005ABA 0.025 0.1 C4內盒(5)Product Box BX36031014AABA 360 X 310 X 142 6 2 0.406 0.812 外紙箱(6)Carton 7 394 X 324 X 321 BX39432432CCBA 0.884 0.884 1 8 9 - 整箱總重量 (Total LCD Weight in carton ): 13.43 Kg±10% 3.單箱數量規格表 (Packaging Specifications and Quantity): (1)Quantity Of Spacer: A6隔板 X 8, B6隔板 X 3 (2) Total LCM quantity in carton: quantity per box 28 x no of boxes 56 (4)海綿墊 — Foam Rubber Cushion (1)抗靜電氣泡袋+LCM-Bubble Bag+LCM (3) B6隔板-**B6** Partition (2) A6隔板 A6 Partition ſŀ (4) 海綿墊 (6)外紙箱 Foam Rubber Cushion Carton (5)C4內盒 Product Box 特 事 記 項 (REMARK) 6.放置格示意圖: 4. Label Specifications: 5. 每個間隔放2片模組,前後間隔不放置模組 6.Each divider is placed inside a product Box 。(如放置格示意圖) 5. 2LCM are placed on every other slot of the TYPE divider. ID.NO S/0 Note: First and last slot should be empty. Pcs Date Q'TY (See remarks 6 on packaging specifications) Lot.NO Note

參照"成品包裝點檢作業標準書"內容

☑ 模組(LCM)x2pcs

□空格(Blank Space)