SI	PF	CI	FI	CA	T		NS
O	'	UI			~ I I	v	IVO

CUSTOMER . PTC

SAMPLE CODE · SH102600T002-IAA

MASS PRODUCTION CODE . PH102600T002-IAA

SAMPLE VERSION . 01

SPECIFICATIONS EDITION . 003

DRAWING NO. (Ver.) . JLMD- PH102600T002-IAA _001

PACKAGING NO. (Ver.) . JPKG- PH102600T002-IAA _001

Customer Approved

Date:

POWERTIP 2015.08.27 JS RD APPROVED

Approved	Checked	Designer
閆偉	劉進	譚超敏

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

POWERTIP TECH. CORP.

Headquarters:

No.8, 6th 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
03/28/2014	01	001	New Drawing	-	譚超敏
05/10/2014	01	002	New Sample	-	譚超敏
08/24/2015	01	003	Show Backlight Life Time	12	譚超敏
					2//
				~/~	

Total: 30 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
- 1.6 Backlight & LED Characteristics

2. MODULE STRUCTURE

- 2.1 Counter Drawing
- 2.2 Interface Pin Description
- 2.3 Timing Characteristics

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



1. SPECIFICATIONS

1.1 Features

Main LCD Panel

Item	Standard Value
Display Type	1024 * 3(RGB) * 600
LCD Type	a-Si TFT, Normally White, Transmissive
Screen size(inch)	7 (Diagonal)
Viewing Direction	6 O'clock
Color configuration	R.G.B stripe
Backlight	White LED
Interface	LVDS
Driver IC	-
	THIS PRODUCT CONFORMS THE ROHS OF PTC
ROHS	Detail information please refer web site:
	http://www.powertip.com.tw/news.php?area_id_view=1085560481/

1.2 Mechanical Specifications

Item	Standard Value	Unit
Outline Dimension	165.75 (L) * 105.39 (W) * 2.65 (H)	
LCD View Area	154.6 (L) * 91.0(W)	mm
LCD Active Area	153.6(L) * 90.0(W)	mm

Note: For detailed information please refer to LCM drawing



1.3 Absolute Maximum Ratings

Module (* 1)

Item	Symbol	Condition	Min.	Max.	Unit
	DVpp	-	-0.3	5.0	
	AVDD	-	6.5	13.5	
System Power Supply Voltage	Vgн	-	-0.3	42.0	V
	VgL	-	-20	0.3	
	Vgh - Vgl	-	-	40.0	
Operating Temperature	TOP	-	-20	70	°C
Storage Temperature	TST	-	-30	80	°C
Storage Humidity	H□	Ta ≤ 60 °C	20	90	%RH

Note 1: The absolute maximum rating values of this product are not allowed to be exceeded at any times. Should a module be used with any of the absolute maximum ratings exceeded, the characteristics of the module may not be recovered, or in an extreme case, the module may be permanently destroyed.





1.4 DC Electrical Characteristics

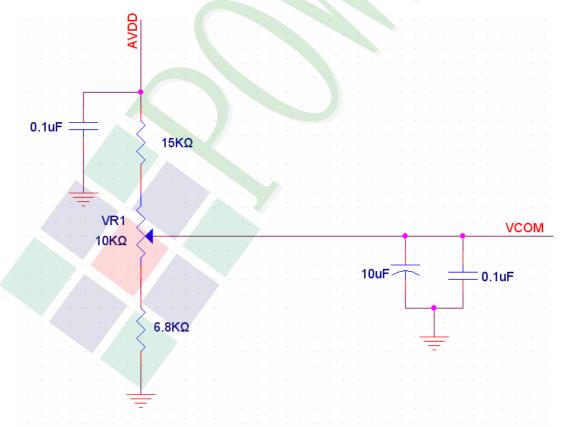
Item	Symbol	Condition	Min.	Тур.	Max.	Unit	
	DV _{DD} *1	1	3.0	3.3	3.6		
Dower Supply Voltage	AVDD	1	10.8	11	11.2	V	
Power Supply Voltage	Vgн	1	19.7	20	20.3	V	
	VgL	1	-6.5	-6.8	-7.1		
Input Signal Voltage	Vcom*2	-	2.7	3.7	4.7	V	
Input Logic High Voltage	Vін*3	-	0.7VDD	-	VDD	V	
Input Logic Voltage	Vıl*3	-	0	-	0.3VDD	V	
	lgн	Vgн =20V	-	0.25	1.0		
Current For Driver	I GL	$V_{GL} = -6.8V$	-	0.25	1.0	mA	
Current For Driver	IDV _{DD}	DV _{DD} =3.3V	-	38	60		
	IAV _{DD}	AVDD =11V	-	20	30		

Note 1: Be sure to apply DVDD and VGL to the LCD first, and then apply VGH.

Note 2: DV_{DD} setting should match the signals output voltage (refer to Note 3) of customer's system board.

Note 3: LVDS, Reset.

Note 4: Typ. Vcom is only a reference value, it must be optimized according to each LCM. Be sure to use VR.





1.5 Optical Characteristics

TFT LCD panel

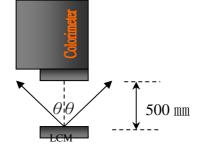
 $DV_{DD} = 3.3V$, Ta = 25°C

Item		Symbol	Condition	Min.	Тур.	Max.	unit	
Deepense time	Rise	TR		-	10	20	ma	Note
Response time	Fall	TF	-	-	15	30	ms	Note2
	Тор	θ+		-	60	-		
Viewing angle	Bottom	θ-	CR ≥ 10	-	60	-	Deg.	
viewing angle	Left	θL	CIX 2 10	-	60	-	Deg.	Note4
	Right	θR		-	60	-		
Contrast rati	Contrast ratio		-	500	600	-	-	Note3
	White	Х		0.21	0.26	0.31		
		Υ	l∟=160mA	0.31	0.36	0.41		
	Red	Х		0.58	0.63	0.68		
Color of CIE		Υ		0.29	0.34	0.39		Noted
Coordinate (With B/L)	Green	Х	IL = 160IIIA	0.27	0.32	0.37	_	Note1
(****** = / = /		Υ		0.58	0.63	0.68		
	Blue	X		0.10	0.15	0.20		
	Diue	Υ		0.01	0.06	0.11		
Average Brightness								
Pattern=white display		IV	I∟=160mA	170	300	-	cd/m ²	Note1
(With B/L)								
Uniformity (With B/L)		∆B	I∟=160mA	70	-	-	%	Note1

Note 4:

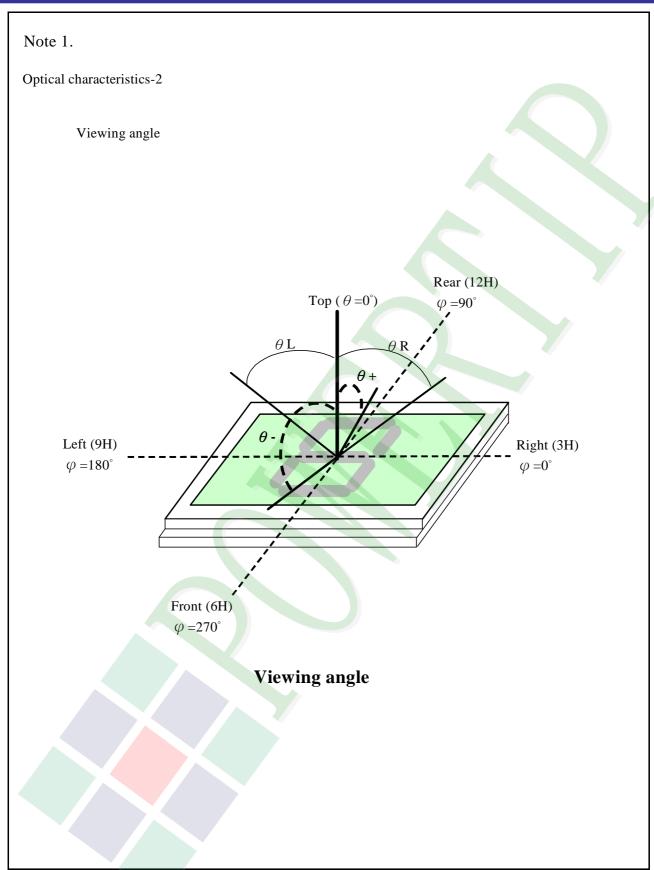
- $1 : \triangle B = B(min) / B(max) * 100\%$
- 2: Measurement Condition for Optical Characteristics:
 - a : Environment: 25° C $\pm 5^{\circ}$ C $\pm 60 \pm 20\%$ R.H , no wind , dark room below 10 Lux at typical lamp current and typical operating frequency.
 - b: Measurement Distance: $500 \pm 50 \text{ mm}$, $(\theta = 0^{\circ})$
 - 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 $\pm 4\%$



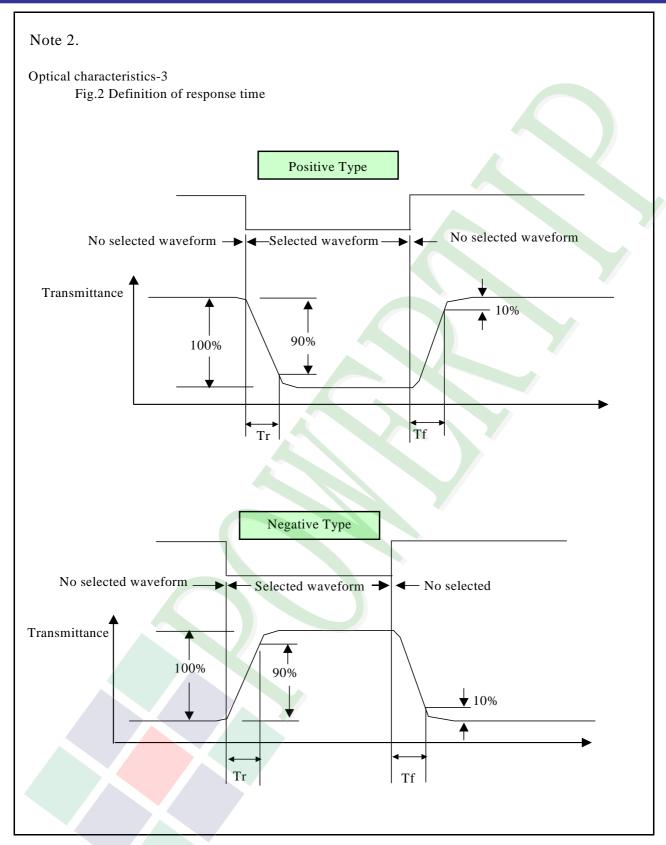


Colorimeter=BM-7 fast











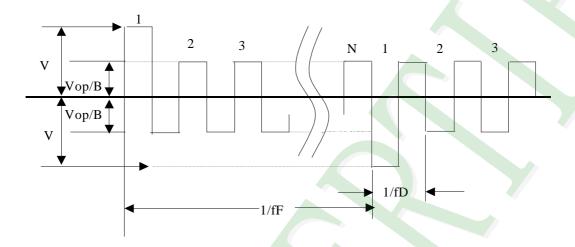
Electrical characteristics-2

※2 Drive waveform

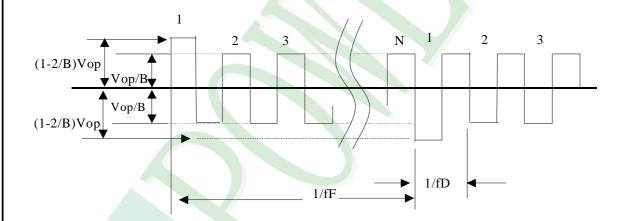
Vop: Drive voltage fF: Frame frequency 1/B: Bias fD: Drive frequency

N: Duty

(1) Selected waveform



(2) Non-Selected wave form

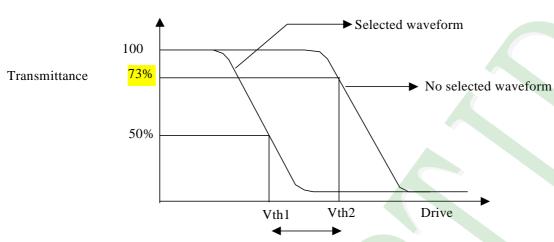


Note:

Frame frequency is defined as follows: Common side supply voltage peak - to - peak /2 = 1 period



Note 3.: Definition of Vth



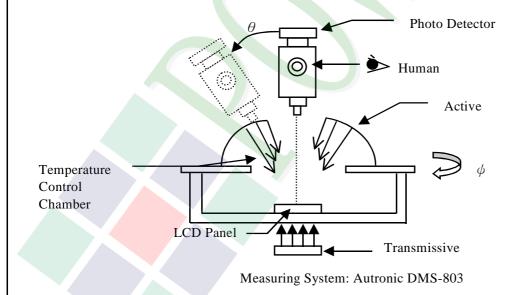
Active voltage range

	Vth1	Vth2
View direction	10°	40 °
Drive waveform	(Selected waveform)	(No selected waveform)
Transmittance	50%	73%

※1 Contrast ratio

= (Brightness in OFF state) / (Brightness in ON state)

Outline of Electro-Optical Characteristics Measuring System





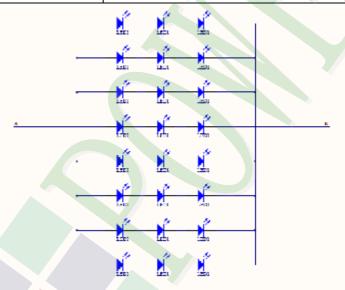
1.6 Backlight & LED Characteristics

Maximum Ratings

Item	Symbol	Conditions	Min.	Max.	Unit
Reverse Current	IF	Ta =25°ℂ	-	50	UA
Reverse Voltage	VR	Ta =25°ℂ	-	5	V

Electrical / Optical Characteristics

Item	Symbol	Conditions	Min.	Тур.	Max.	Unit
Forward Voltage	VF		8.3	9.1	10.2	V
Average Brightness (without LCD)	IV	IF=160 mA	6500	-	<u> </u>	cd/m ²
Color of CIE Coordinate*1	X		0.22	0.27	0.32	*2
(Without LCD)	Y		0.28	0.33	0.38	2
Color			White			



Other Description

Item	Conditions	Description
Life Time	Ta =25°C	50000 hrs
Life filline	IF= 160mA	30000 1115



2. MODULE STRUCTURE

2.1 Counter Drawing

2.1.1 LCM Mechanical Diagram





2.2 Interface Pin Description

Pin No.	Symbol	I/O	Function	Remark
1	VCOM	Р	Common Voltage	
2	DVDD	Р	Power Voltage for digital circuit	
3	DVDD	Р	Power Voltage for digital circuit	
4	NC		No connection	
5	Reset	I	Global reset pin	
6	STBYB	I	Standby mode, Normally pulled high STBYB = "1", normal operation STBYB = "0", timing controller, source driver will turn off, all output are High-Z	
7	GND	Р	Ground	
8	RXIN0-	I	- LVDS differential data input	
9	RXIN0+	I	+ LVDS differential data input	
10	GND	Р	Ground	
11	RXIN1-	ı	- LVDS differential data input	
12	RXIN1+	I	+ LVDS differential data input	
13	GND	Р	Ground	
14	RXIN2-	I	- LVDS differential data input	
15	RXIN2-	1	+ LVDS differential data input	
16	GND	Р	Ground	
17	RXCLKIN-	1	- LVDS differential data input	
18	RXCLKIN+	I	+ LVDS differential data input	
19	GND	Р	Ground	
20	RXIN3-	1	- LVDS differential data input	
21	RXIN3+	ı	+ LVDS differential data input	
22	GND	Р	Ground	
23	NC		No connection	
24	NC		No connection	
25	GND	Р	Ground	
26	NC		No connection	
27	DIMO	0	Backlight CABC controller signal output	
28	SELB	I	6bit/8bit mode select	Note1
29	AVDD	Р	Power for Analog Circuit	
30	GND	Р	Ground	
31	LED-	Р	LED Cathode	
•		•		



32	LED-	Р	LED Cathode	
33	L/R	I	Horizontal inversion	Note3
34	U/D	I	Vertical inversion	Note3
35	VGL	Р	Gate OFF Voltage	
36	CABCEN1	I	CABC H/W enable	Note2
37	CABCEN0	I	CABC H/W enable	Note2
38	VGH	Р	Gate ON Voltage	
39	LED+	Р	LED Anode	
40	LED+	Р	LED Anode	

I: input, O: output, P: Power

Note1: If LVDS input data is 6 bits ,SELB must be set to High;

If LVDS input data is 8 bits ,SELB must be set to Low.

Note2: When CABC_EN="00", CABC OFF.

When CABC_EN="01", user interface image.

When CABC_EN="10", still picture.

When CABC_EN="11", moving image.

When CABC off, don't connect DIMO, else connect it to backlight.

Note3: When L/R="0", set right to left scan direction.

When L/R="1", set left to right scan direction.

When U/D="0", set top to bottom scan direction.

When U/D="1", set bottom to top scan direction.



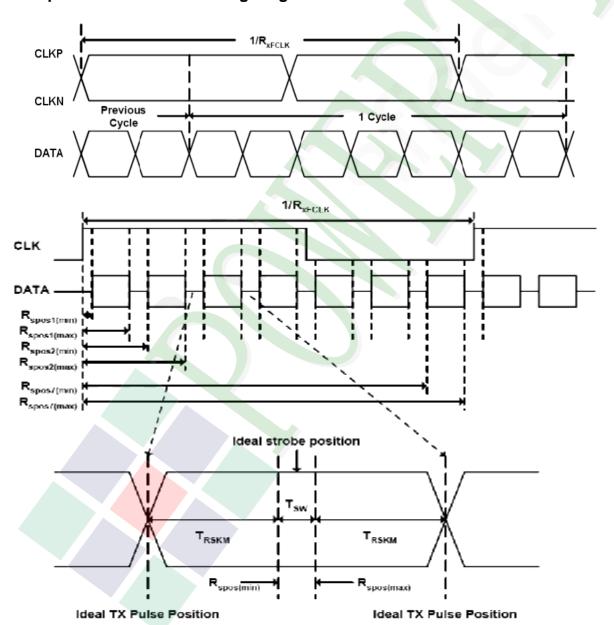


2.3 Timing Characteristics

2.3.1 AC Electrical Characteristics

Davamatav	Symbol	Values			I Imié	Pamarle
Parameter		Min.	Тур.	Max.	Unit	Remark
Clock frequency	R _{xFCLK}	40.8	51.2	67.2	MHz	
Input data skew margin	T _{RSKM}	500	1520	921	ps	
Clock high time	T _{LVCH}	10.7	4/(7* R _{xFCLK})	1.71	ns	
Clock low time	T _{LVCL}	-	3/(7* R _{xFCLK})	1 to 1	ns	

2.3.2 Input Clock and Data Timing Diagram



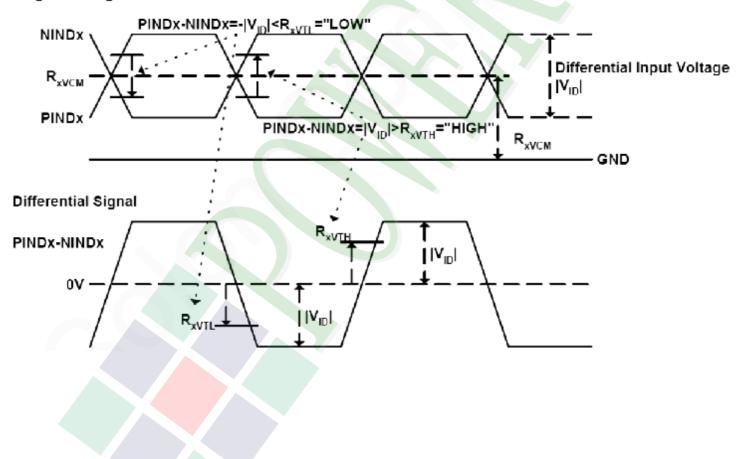
 \mathbf{T}_{RSKM} : Receiver strobe margin \mathbf{R}_{SPGS} : Receiver strobe position \mathbf{T}_{SW} : Strobe width (internal data sampling window)



2.3.3 DC Electrical Characteristics

Parameter	Symbol	Values		Values		
	- ,	Min.	Тур.	Max.	Unit	Remark
Differential input high Threshold voltage	R _{xVTH}	-	-	+0.1	V	R _{XVCM} =1.2V
Differential input low Threshold voltage	R _{xVTL}	-0.1	-	-	V	TXXVCIVI T.2 V
Input voltage range (singled-end)	R _{xVIN}	0	-	2.4	V	
Differential input common mode voltage	R _{xVCM}	V _{ID} /2	-	2.4- V _{ID} /2	V	
Differential voltage	V _{ID}	0.2	-	0.6	V	
Differential input leakage current	RV_{xliz}	-10	-	+10	uA	

Single-end Signals





2.3.4 Timing

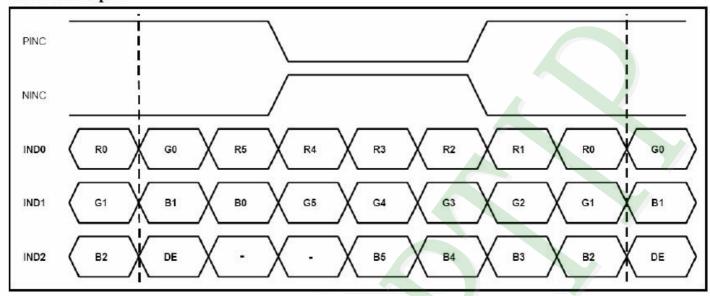
		Values			11-14	
Item	Symbol	Min.	Тур.	Max.	Unit	Remark
Clock Frequency	fclk	40.8	51.2	67.2	MHz	Frame rate =60Hz
Horizontal display area	thd		1024		DCLK	
HS period time	th	1114	1344	1400	DCLK	-
HS Blanking	thb	90	320	376	DCLK	
Vertical display area	tvd		600		Н	
VS period time	tv	610	635	800	Н	
VS Blanking	thb	10	35	200	Н	



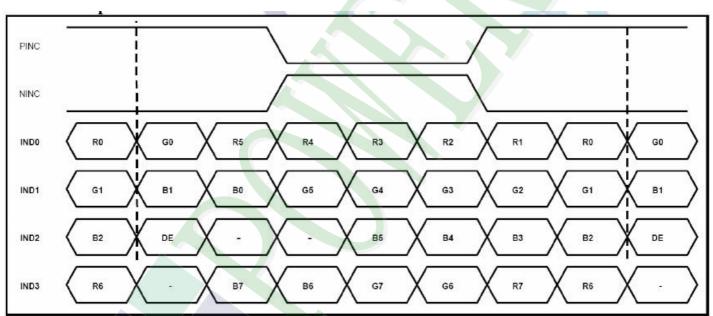


2.3.5 Data Input Format

6bit LVDS input



8bit LVDS input

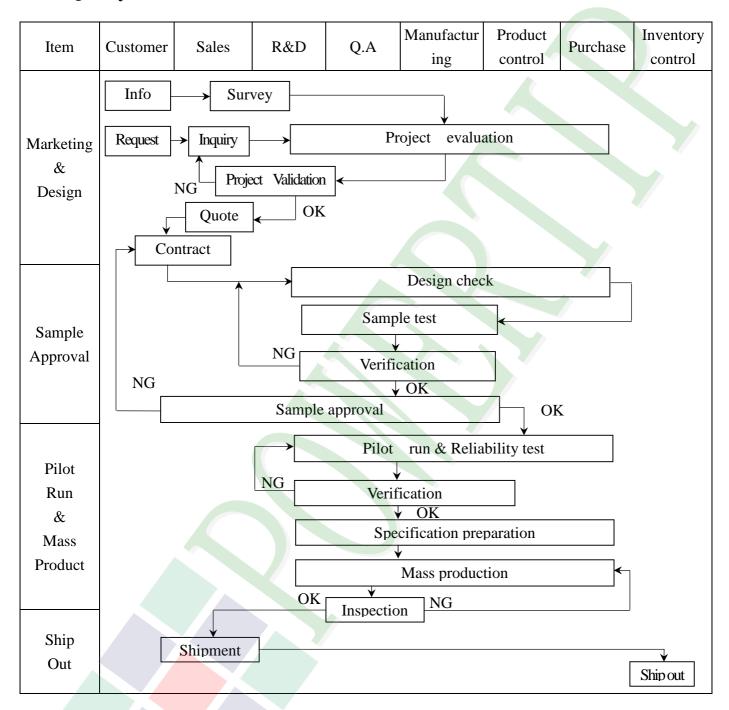


Note: Support DE timing mode only, SYNC mode not supported.

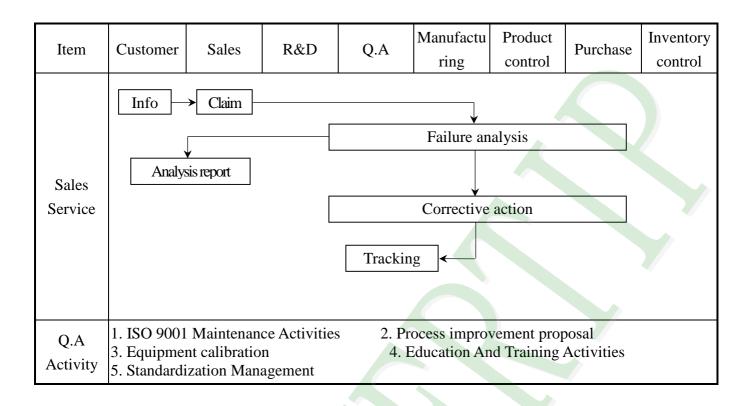


3. QUALITY ASSURANCE SYSTEM

3.1 Quality Assurance Flow Chart



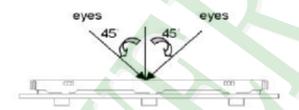




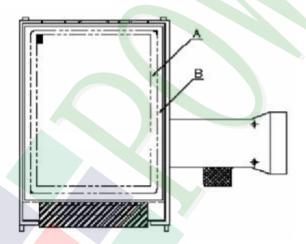


3.2 Inspection Specification

- ◆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. $5'' \sim 10''$: (Ver.B01)

▼ Spe	cincation for 1F1-L	CD Module 3, 5° ~10°; (Ve					
NO	Item		Criter	ion	Level		
		1. 1The part number is inconsistent with work order of production.					
01	Product condition	1. 2 Mixed prod	uct types.		Major		
		1. 3 Assembled i	in inverse direction.		Major		
02	Quantity	2, 1The quantity	y is inconsistent with	h work order of production	on. Major		
03	Outline dimension	3. 1 Product din diagram.	3. 1 Product dimension and structure must conform to structure diagram.				
		4. 1 Missing line	4. 1 Missing line character and icon.				
		4, 2 No function or no display.					
04	Electrical Testing	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			
	Doi delett	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					
		E 0 It is 1. C	blue screer				
			l as dot defect if defe e between two dot d				
	1						



♦ Speci	fication For TFT-LCD	Module 3. 5" ~10":			(Ver.B01)
NO	Item	Cr	iterion		Level
	Black or white dot - scratch - contamination Round type	Dimension (diameter : Φ $\Phi \le 0.25$ $0.25 < \Phi \le 0.50$ $\Phi > 0.50$	r display) :	e (Q'ty) B area	
06	$ \begin{array}{c c} & X & \downarrow \\ \hline & Y \\ \hline & W \\ \hline & Y \\ \hline & Y \\ \hline & W \\ \hline & Y \\ & Y \\ & Y \\ \hline & Y \\ & Y \\ \hline & Y$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	W) Accep	Tgnore	Minor
		Total	5		
07	Polarizer Bubble	Dimension (diameter : Φ) $Φ \le 0.25$ $0.25 < Φ \le 0.50$ $0.50 < Φ \le 0.80$ $Φ > 0.80$ Total	Acceptance A area Ignore 4 1 0	e (Q'ty) B area Ignore	Minor



◆Specification For TFT-LCD Module 3. 5″ ~10″: (Ver.							
NO	Item	Criterion					
		Symbols: 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					
		8. 1 General glass chip: 8. 1. 1 Chip on panel surface and crack between panels:					
		V X V					
08	The crack of glass	SP SP [NG]	Minor				
		Seal width					
		X Y Z Crack can't enter					
		≤ a viewing area Cruck cur't avgoed the					
		\leq a $\frac{\text{Crack can't exceed the}}{\text{half of SP width.}}$ $1/2 \text{ t} < Z \leq 2 \text{ t}$					



NO	Item		Criteri	on	Leve
		Z : The thi	ngth of crack ickness of crack ckness of glass ner crack:	Y: The width of crac W: terminal length a: LCD side length	;k.
		X	Y	Z	
		≦1/5 a	Crack can't enter viewing area	$Z \leq 1/2 t$	
		≤1/5 a	Crack can't exceed t half of SP width.	the $1/2 t < Z \le 2$	t
08	The crack of glass	8. 2 Protru	sion over terminal		Mino
		8. 2. 1 Chi	p on electrode pad	X	Įz f
			X	X Y Z	
		Front	≤ a =	$\leq 1/2 \mathbf{W} \qquad \leq \mathbf{t}$	
		Back	≤ a	\leq W \leq 1/2	f



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

(Ver.B01)

NO	Item	Criterion				
		Symbols: X: The length of crack Z: The thickness of crack t: The thickness of glass 8. 2. 2 Non-conductive portion:	Leve			
		ZA ZA X				
08	The crack of glass	X Y Z $\leq 1/3$ a $\leq W$ $\leq t$ \odot If the chipped area touches the ITO terminal, over 2/3 of	Mino			
		the ITO must remain and be inspected according to electrode terminal specifications.				
		8. 2. 3 Glass remain : Y W Pitch X Y Z				
		$\begin{array}{ c c c c }\hline X & Y & Z \\ & \leq a & \leq 1/3 \ W & \leq t \\ \hline \end{array}$				



10

appearance

(Ver.B01) Specification For TFT-LCD Module 3, 5" ~10": NO Criterion Item Level 9. 1 Backlight can't work normally. Major Backlight 09 9. 2 Backlight doesn't light or color is wrong. Major elements 9. 3 Illumination source flickers when lit. Major 10. 1 Pin type \quantity \quantity \dimension must match type in structure Major diagram. 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 Major production characteristic chart .There should be no wrong parts, missing parts or excess parts. General

10. 4 Product packaging must the same as specified on packaging

10. 5 The folding and peeled off in polarizer are not acceptable.

10. 6 The PCB or FPC between B/L assembled distance(PCB or

Minor

Minor

Minor

specification sheet.

FPC) is $\leq 1, 5$ mm.



4. RELIABILITY TEST

4. 1 Reliability Test Condition

(Ver.B01)

NO.	TEST ITEM	TEST CONDITION					
1	High Temperature Storage Test	_	Keep in +80 ±2°C 96 hrs Surrounding temperature, then storage at normal condition 4hrs.				
2	Low Temperature Storage Test	-	±2°C 96 hrs	rage at normal condit	ion 4hrs.		
3	High Temperature / High Humidity Storage Test	Surroundin	Keep in +60°C /90% R.H duration for 96 hrs Surrounding temperature, then storage at normal condition 4hrs. (Excluding the polarizer)				
			ge: V with 5 times or each polarity +/-	Contact Discharge: Apply 250V with 5 ti discharge for each po			
4	1. Temperature ambiance:15°C 2. Humidity relative:30%~60°C 3. Energy Storage Capacitance 4. Discharge Resistance(Rd):33 5. Discharge, mode of operation Single Discharge (time between successive of (Tolerance if the output voltage indication:						
5	Temperature Cycling Storage Test	-30°C → +25°C → +70°C → +25°C (30mins) (5mins) (30mins) (5mins) 10 Cycle Surrounding temperature, then storage at normal condition 4hrs.					
6	Vibration Test (Packaged)	 Sine wave 10~55 Hz frequency (1 min) The amplitude of vibration :1.5 mm Each direction (X \ Y \ Z) duration for 2 Hrs 					
			Packing Weight (Kg)	Drop Height (cm)			
			0 ~ 45.4	122			
7	Drop Test		45.4 ~ 90.8	76			
,	(Packaged)		90.8 ~ 454	61			
			Over 454	46			
		Drop dire	ection: * 1 corner / 3 e	dges / 6 sides each 1tir	nes		



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.

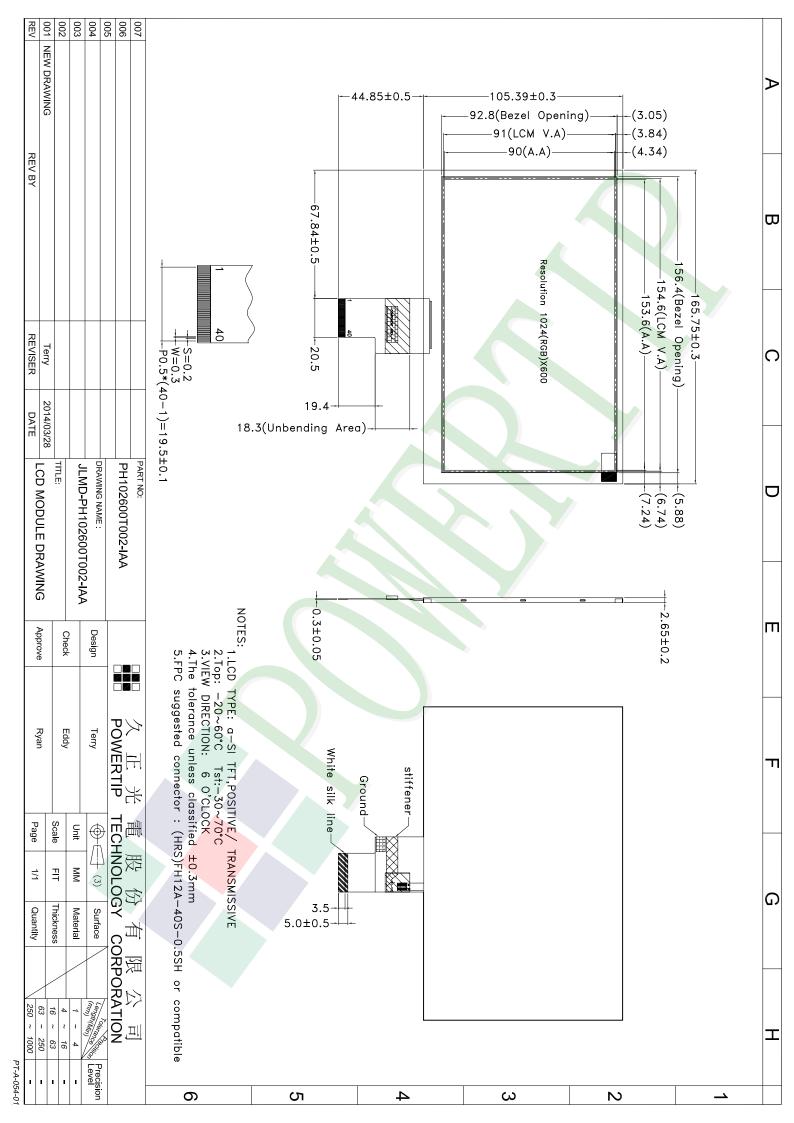
5.4 TERMS OF WARRANTY

5.4.1 Applicable warrant period

The period is within Twenty-four 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 Eddy Documents NO. JPKG-PH102600T002-IAA LCM Packaging Specifications Ryan Terry 1.包裝材料規格表 (Packaging Material): (per carton) No. Item Model Dimensions (mm) 1Pcs Weight Total Weight Quantity 1 成品 (LCM) PH102600T002-IAA 156.4 X 105.39 X 2.65 0.0988 120 11.856 2 靜電袋(1)Antistatic Bag BAG240170ARABA 240 X 170 0.0048 120 0.576 3 170 X 150 0.27 氣泡袋(2)Bubble Bag BAG170150BRABA 0.0045 60 4 A9隔板(3)A9 Partition 0.0204 BX0000000058 245 X 125 X 4 64 1.3056 5 B9隔板(4)B9 Partition BX0000000057 295 X 125 X 4 0.0209 8 0.1672 6 8 海綿墊(5)Foam Rubber Cushion OTFOAM00006ABA 290 X 240 X 10 0.02 0.16 7 C5內盒(6)Product Box BX0000000059 310 X 255 X 155 0.248 4 0.992 8 外紙箱(7)Carton BX52732536CCBA 527 X 325 X 360 0.83 1 0.83 9 2.一 整箱總重量 (Total LCD Weight in carton): 15.89 Kg±10% 3. 單箱數量規格表 (Packaging Specifications and Quantity): (1)Quantity Of Spacer: A9隔板 X 16 , B9隔板 X (2)Total LCM quantity in carton: quantity per box x no of boxes 120 (5) 海綿墊 Foam Rubber Cushion (1)靜電袋+(2)氣泡袋+LCM. Antistatic Bag+Bubble Bag+LCM (3) A9隔板 A9 Partition (4) B9隔板 **B9** Partition 11 (5)海綿墊 Foam Rubber Cushion (7)外紙箱 Carton (6) C5內盒 Product Box 特 記 事 項 (REMARK) 4. Label Specifications: 5. LCM排放示意圖(前後間隔不放置): 模組以靜電袋包妥,FPC反折再模組背面 5. LCM placed as figure showing: 2片用靜電袋包好后模組放入1個氣泡袋 (First and last slot should be empty) 參照廠內作業標準

| 模組(LCM) X 2pcs.