



- ☒ Draft Specifications
☐ Preliminary Specifications
☐ Final Specifications

Title	15.6-inches Touch Display Product Specifications
Model Name	F156PET-T44
Version	0

Customer	
Approved by	Date
Notice: This Specification is subject to change without notice.	

Approved By	Prepared By
ZOE NIEN 2026-05-22	ALLEN FANG 2026-05-22



REVISION HISTORY

Version	ECN No.	Description of Changes	Date	Prepared
0		Draft specification	2026-05-22	Allen Fang



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1. GENERAL DESCRIPTION

1.1. INTRODUCTION

F156PET-T44 is a 15.6" TFT LCD module with WLED backlight unit G156HCE-L01 with projected capacitive multi-touch B156PFU-E10 air bonding and Touch Driver Board ETP-MB-EXC84H4254STAG.

The display format is intended to support 1920 (H) x 1080 (V) FHD AAS mode and can display 16.7M colors and 40 pins 2ch-LVDS interface.

1.2. FEATURES

- FHD (1920 x 1080 pixels) resolution
- LVDS Interface with 2 pixel / clock
- 8-bit color depth, display 16.7M colors
- High Brightness
- DE (Data Enable) only
- RoHS / Halogen Free

1.3. APPLICATION

- Desktop Type of PC & Workstation Use
- Display Terminals for Control System
- Monitors for Process Controller

1.4. GENERAL SPECIFICATIONS

Parameter	Specification	Unit	Remarks
Active Area Size	15.6	inch	
Display Area	344.16(H) x 193.59 (V)	mm	
Outline Dimension	364.30 (H) x 215.90 (V) x 13.10 (D)	mm	D:PCAP+LCM
Weight	1500	g	Typ.
Driver Element	a-Si TFT active matrix	-	
Display Colors	16,7M (RGB 8-bits)	Colors	
Electrical Interface	2-ch LVDS	-	
Number of Pixels	1920 (H) x 1080 (V)	pixels	
Pixel Pitch	0.17925 (H) x 0.17925(W)	mm	
Pixel Arrangement	RGB vertical stripe	-	
Display Mode	AHVA / Normal Black	-	
Color Gamut	72	%	
Touch Technology	Projected Capacitive Multi-Touch Panel	-	
Touch Method	Finger or exclusive pen	-	
Numbers of Touch	10	Points	
Touch FPC Type	COB	-	
Touch Sensor Glass Type	Strengthening Glass	-	
Touch Controller Board	ETP-MB-EXC84H4254STAG	-	
Touch Driver Interface	USB	-	
Support OS	Android, Linux, Win7, Win8, Win10, XP	-	

2. ABSOLUTE MAXIMUM RATINGS

The followings are maximum values which, if exceed, may cause faulty operation or damage to the unit.

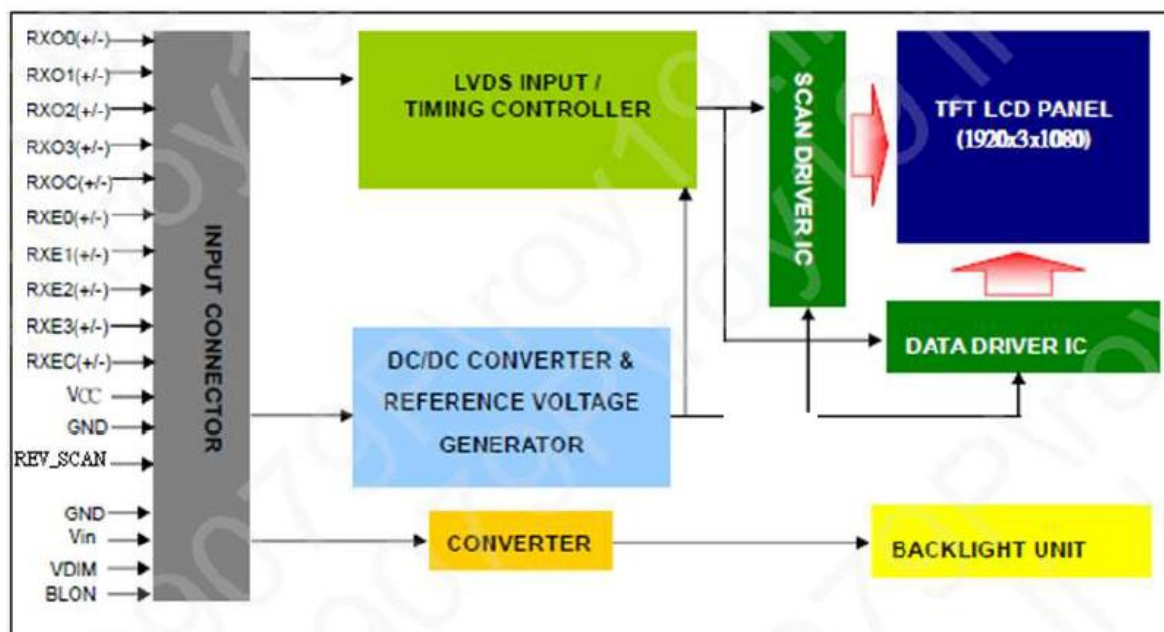
Parameter	Symbol	Min.	Max.	Unit	Remarks
Power Supply Voltage	V_{DD}	-0.3	4.0	V	Note 1
Converter Voltage	V_I	-0.3	18.0	V	
Enable Voltage	EN	-0.3	7	V	
Dimming Voltage	PWM	-0.3	7	V	
Operating Temperature	T_{op}	-20	70	°C	Note 2
Operating Humidity	H_{op}	10	90	%RH	
Storage Temperature	T_{st}	-30	80	°C	
Storage Temperature	H_{st}	10	90	%RH	
Touch DC Supply Voltage	USB_ V_{DD}	-0.3	6	V	

Note:

1. Permanent damage to the device may occur if maximum values are exceeded. Function operation should be restricted to the conditions described under Normal Operating Conditions.
2. Maximum Wet-Bulb temperature should be 39°C and no condensation.
The relative humidity must not exceed 90% non-condensing at temperatures of 40°C or less. At temperatures greater than 40°C, the wet bulb temperature must not exceed 39°C.

3. ELECTRICAL CHARACTERISTICS

3.1. LCD BLOCK DIAGRAM



3.2. LCD INPUT TERMINAL PIN ASSIGNMENT

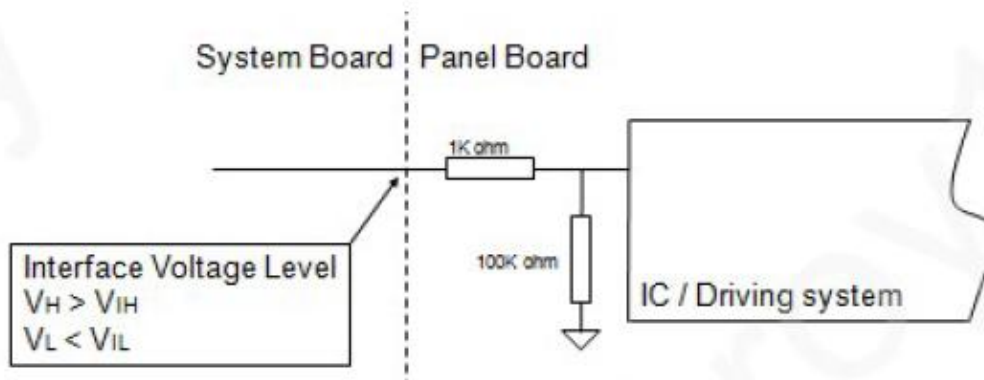
Pin	Symbol	Description	Note
1	LED_V _{CC}	+12V Vi power supply	
2	LED_V _{CC}	+12V Vi power supply	
3	LED_V _{CC}	+12V Vi power supply	
4	LED_V _{CC}	+12V Vi power supply	
5	GND	Ground	
6	GND	Ground	
7	GND	Ground	
8	GND	Ground	
9	LED_EN	Enable pin	
10	LED_PWM	Backlight Adjust	
11	LCD_V _{CC}	LCD logic and driver power 3.3V	
12	LCD_V _{CC}	LCD logic and driver power 3.3V	
13	LCD_V _{CC}	LCD logic and driver power 3.3V	
14	NC	No connection, this pin should be open	
15	NC	No connection, this pin should be open	
16	NC	No connection, this pin should be open	
17	REV_SCAN	Low → Normal Mode. High → Horizontal & Vertical Reverse Scan	(1)
18	RXO0-	Negative LVDS differential data input Channel O0 (odd)	
19	RXO0+	Positive LVDS differential data input Channel O0 (odd)	
20	RXO1-	Negative LVDS differential data input Channel O1 (odd)	
21	RXO1+	Positive LVDS differential data input Channel O1 (odd)	
22	RXO2-	Negative LVDS differential data input Channel O2 (odd)	
23	RXO2+	Positive LVDS differential data input Channel O2 (odd)	
24	LCD GND	LCD logic and driver Ground	
25	RXOC-	Negative LVDS differential clock input (odd)	
26	RXOC+	Positive LVDS differential clock input (odd)	
27	LCD GND	LCD logic and driver Ground	

28	RXO3-	Negative LVDS differential data input Channel O3 (odd)	
29	RXO3+	Positive LVDS differential data input Channel O3 (odd)	
30	RXE0-	Negative LVDS differential data input Channel E0 (even)	
31	RXE0+	Positive LVDS differential data input Channel E0 (even)	
32	RXE1-	Negative LVDS differential data input Channel E1 (even)	
33	RXE1+	Positive LVDS differential data input Channel E1 (even)	
34	LCD GND	LCD logic and driver Ground	
35	RXE2-	Negative LVDS differential data input Channel E2 (even)	
36	RXE2+	Positive LVDS differential data input Channel E2 (even)	
37	RXEC-	Negative LVDS differential clock input (even)	
38	RXEC+	Positive LVDS differential clock input (even)	
39	RXE3-	Negative LVDS differential data input Channel E3 (even)	
40	RXE3+	Positive LVDS differential data input Channel E3 (even)	

Note (1) "Low" stands for 0V, "High" stands for 3.3V.

Connector Name / Designation	Interface Connector / Interface card
Manufacturer	IPEX
Connector Model Number	20455-040E-76 or equivalent
Mating Housing Part Number	20453-040T-03 or equivalent

REV_SCAN PIN :

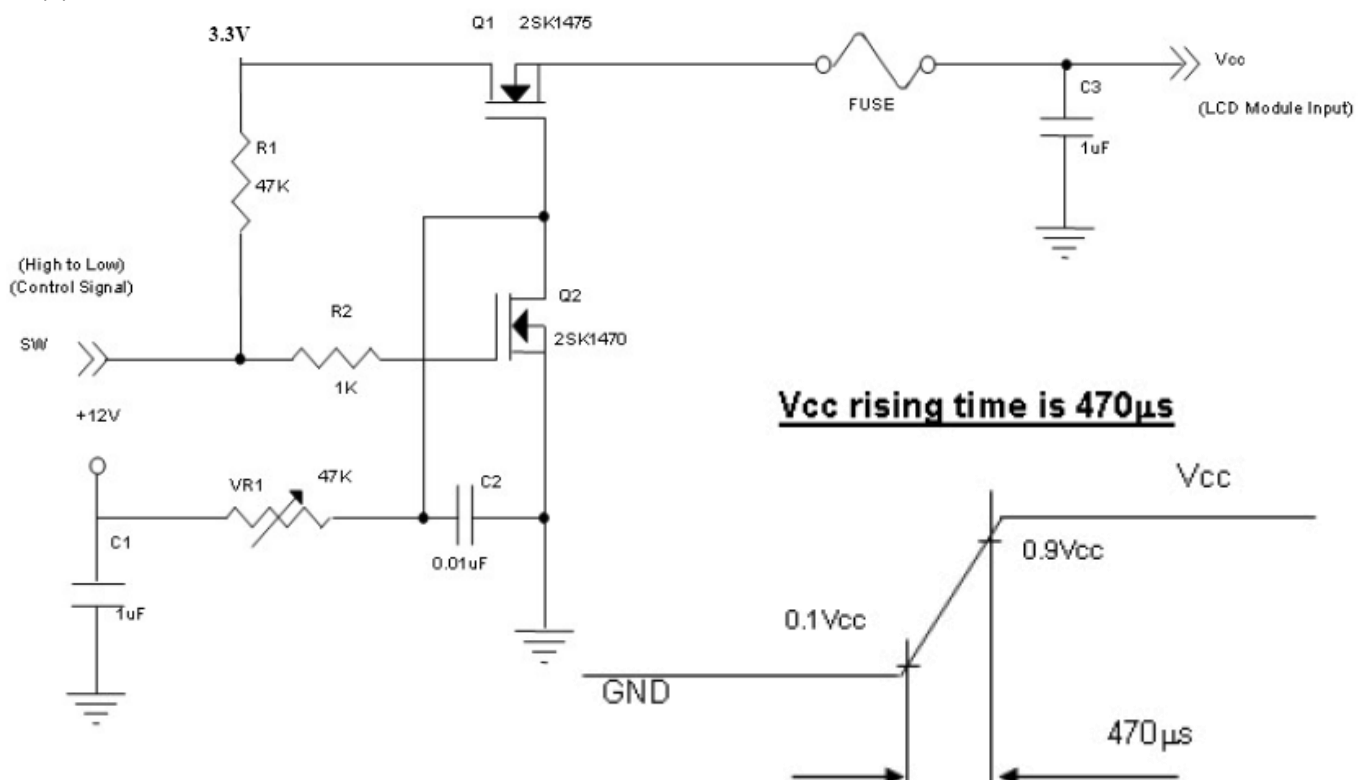


3.3. LCD MODULE

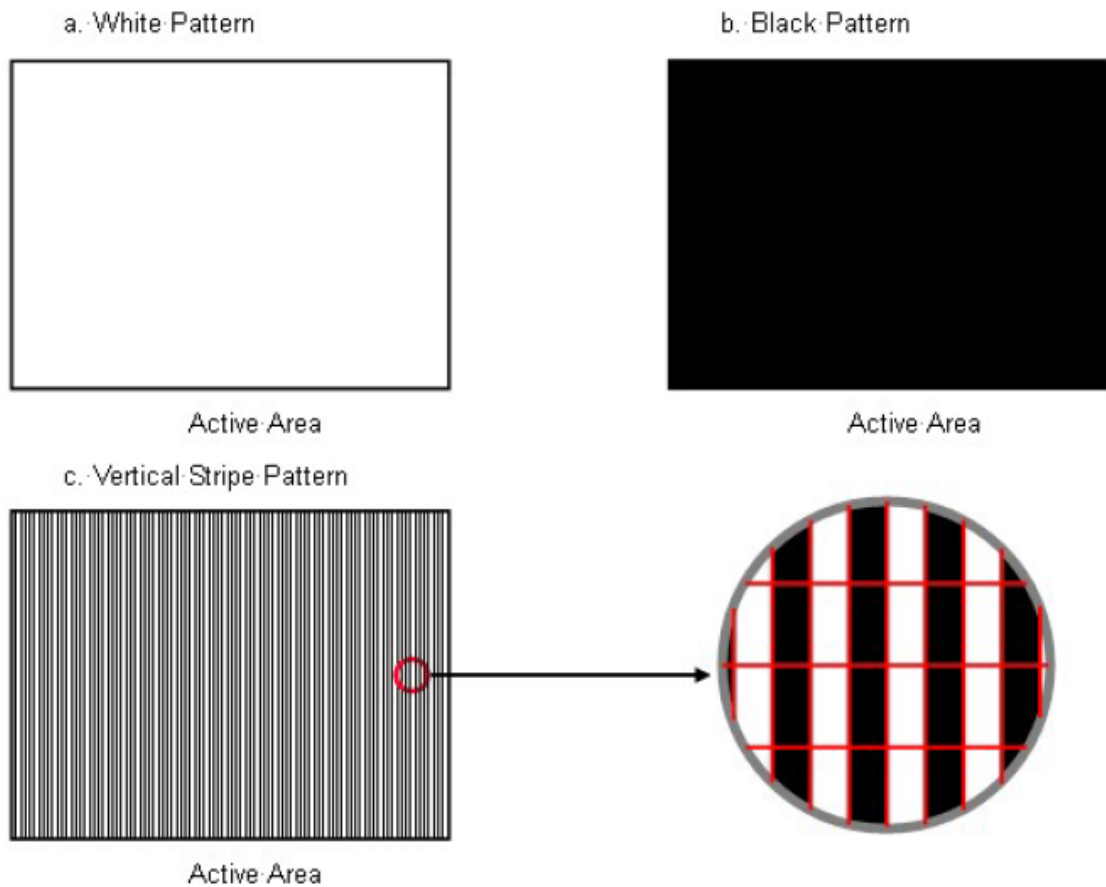
Parameter		Symbol	Values			Unit	Notes
			Min.	Typ.	Max.		
Power Supply Voltage		V_{CC}	3.15	3.3	3.6	V	
Ripple Voltage		V_{RP}	-	-	150	mV	
Rush Current		I_{RUSH}	-	-	3	A	(2)
Power Supply Current	White		-	1.22	1.5	A	(3)a
	Black		-	0.51	0.7	A	(3)b
	Vertical Stripe		-	0.82	1	A	(3)c
Power Consumption		P_{LCD}	-	4	5	W	(4)
LVDS Differential Input Voltage		V_{id}	200	-	600	mV	(5)
LVDS Common Input Voltage		V_{ic}	1.0	1.2	1.4	mV	(5)
Differential Input Voltage for LVDS Receiver Threshold	"H" Level	V_{IH}	-	-	100	mV	
	"L" Level	V_{IL}	-100	-	-	mV	
LVDS terminating resistor		R_T	-	100	-	ohm	

Note (1) The ambient temperature is $T_a = 25 \pm 2^\circ\text{C}$.

Note (2) Measurement Conditions:

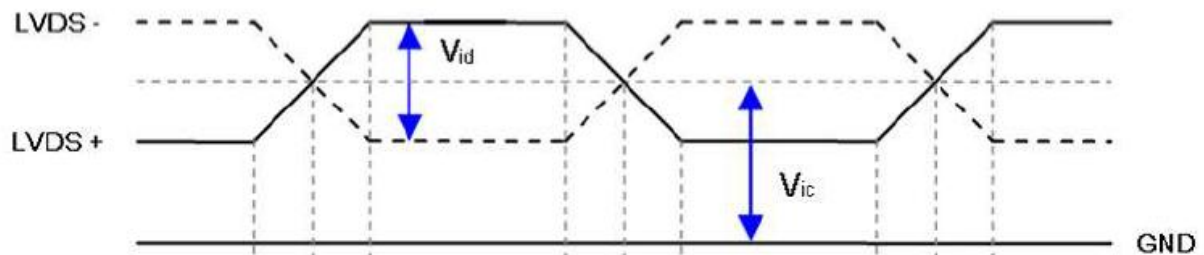


Note (3) The specified power supply current is under the conditions at $V_{CC} = 3.3\text{ V}$, $T_a = 25 \pm 2\text{ }^{\circ}\text{C}$, $F_r = 60\text{ Hz}$, whereas a power dissipation check pattern below is displayed.



Note (4) the power consumption is specified at the pattern with the maximum current.

Note (5) VID wave form condition

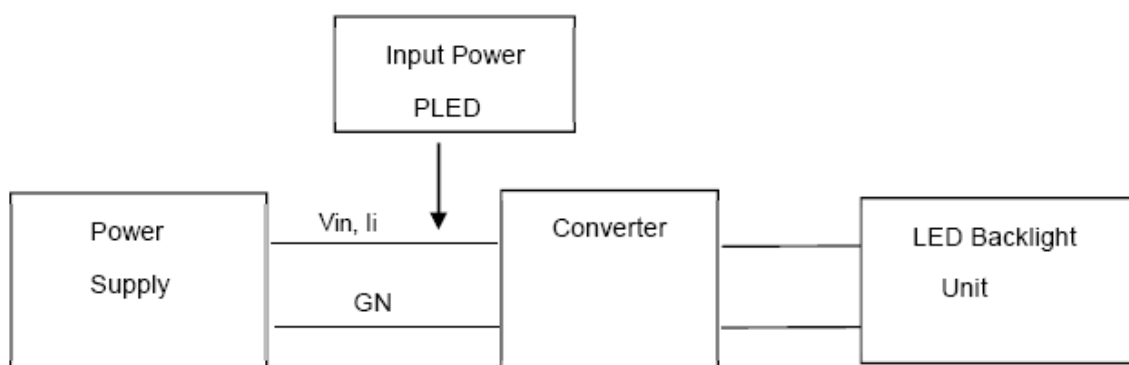


3.4. LCD BACKLIGHTUNIT

Parameter		Symbol	Values			Unit	Notes
			Min.	Typ.	Max.		
Converter Power Supply Voltage		LED_Vin	10.8	12.0	13.2	V	
Converter Power Supply Current		li	0.8	1.0	1.2	A	@LED_Vin=12V Duty=100%
Converter Input Rush Current		lirush			3	A	@LED_Vin rising=1ms
Power Consumption		P _{LED}		12		W	@LED_Vin=12V Duty=100%
EN Control Level	Backlight On	LED_EN	2.0	5	5.5	V	
	Backlight Off		0	0	0.15		
PWM Control Level	High Level	LED_PWM	2.0	3.3	5.0		
	Low Level		0	0	0.15		
PWM Control Duty Ratio			10	-	100	%	
PWM Control Frequency		f _{PWM}	190	200	20K	Hz	
LED Life Time		L _L	50000			Hrs	(2)

Note (1) LED light bar input voltage and current are measure by utilizing a true RMS multi-meter as shown below:

Note (2) the lifetime of LED is estimated data and defined as the time when it continuous to operate under the conditions at Ta = 25 ± 2 °C and duty 100% until the brightness becomes ≤ 50% of its original value
Operating LED under high temperature environment will reduce life time and lead to color shift.

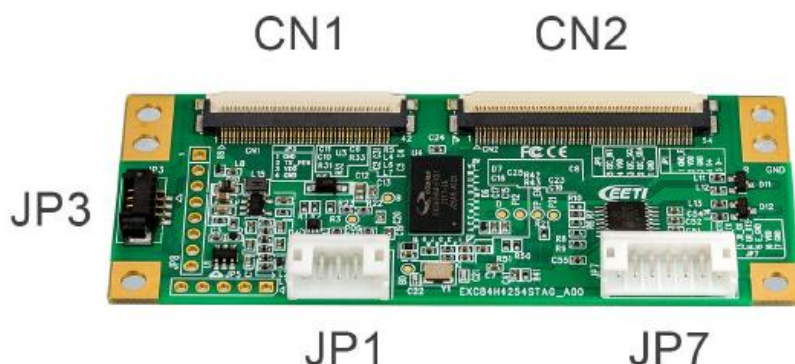


3.5. TOUCH CONTROL BOARD

ETP-MB-EXC84H4254STAG : JP1-USB

Interface	Symbol	Condition	Min.	Typ.	Max.	Unit
CN1 / CN2 / JP1	VDD	DC	3.5	5	5.5	V

Product Photo



Connector CN1/CN2



Substitute Vendor for CN1/CN2



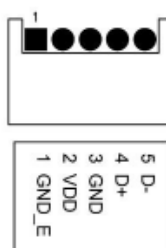
3.6. TOUCH FPC PIN ASSIGNMENT

FPC Pin Description

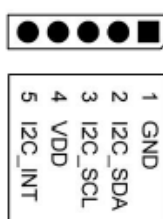
CN1						CN2					
PN		PN		PN		PN		PN		PN	
1	TX_S2	21	TX20	41	TX0	1	RX_S1	21	RX32	41	RX12
2	TX39	22	TX19	42	TX_S0	2	RX51	22	RX31	42	RX11
3	TX38	23	TX18			3	RX50	23	RX30	43	RX10
4	TX37	24	TX17			4	RX49	24	RX29	44	RX9
5	TX36	25	TX16			5	RX48	25	RX28	45	RX8
6	TX35	26	TX15			6	RX47	26	RX27	46	RX7
7	TX34	27	TX14			7	RX46	27	RX26	47	RX6
8	TX33	28	TX13			8	RX45	28	RX25	48	RX5
9	TX32	29	TX12			9	RX44	29	RX24	49	RX4
10	TX31	30	TX11			10	RX43	30	RX23	50	RX3
11	TX30	31	TX10			11	RX42	31	RX22	51	RX2
12	TX29	32	TX9			12	RX41	32	RX21	52	RX1
13	TX28	33	TX8			13	RX40	33	RX20	53	RX0
14	TX27	34	TX7			14	RX39	34	RX19	54	RX_S0
15	TX26	35	TX6			15	RX38	35	RX18		
16	TX25	36	TX5			16	RX37	36	RX17		
17	TX24	37	TX4			17	RX36	37	RX16		
18	TX23	38	TX3			18	RX35	38	RX15		
19	TX22	39	TX2			19	RX34	39	RX14		
20	TX21	40	TX1			20	RX33	40	RX13		

Connector Pin Configuration

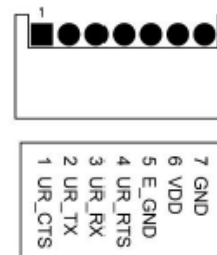
JP1 USB Connector



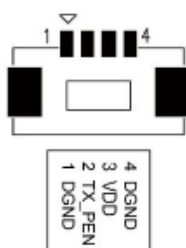
JP5 I2C Connector



JP7 RS232 Connector



JP3 GPIO Connector



eGalaxPen
Type E
Type T



*JP3 connector is reserved for EETI tethered active stylus

Type E: Entry-type active stylus

Type T: Tethered USB active stylus

4. LCD INPUT SIGNAL SPECIFICATIONS

4.1. LVDS DATA MAPPING TABLE

LVDS Channel O0	LVDS output	D7	D6	D4	D3	D2	D1	D0
	Data order	OG0	OR5	OR4	OR3	OR2	OR1	OR0
LVDS Channel O1	LVDS output	D18	D15	D14	D13	D12	D9	D8
	Data order	OB1	OB0	OG5	OG4	OG3	OG2	OG1
LVDS Channel O2	LVDS output	D26	D25	D24	D22	D21	D20	D19
	Data order	DE	NA	NA	OB5	OB4	OB3	OB2
LVDS Channel O3	LVDS output	D23	D17	D16	D11	D10	D5	D27
	Data order	NA	OB7	OB6	OG7	OG6	OR7	OR6
LVDS Channel E0	LVDS output	D7	D6	D4	D3	D2	D1	D0
	Data order	EG0	ER5	ER4	ER3	ER2	ER1	ER0
LVDS Channel E1	LVDS output	D18	D15	D14	D13	D12	D9	D8
	Data order	EB1	EB0	EG5	EG4	EG3	EG2	EG1
LVDS Channel E2	LVDS output	D26	D25	D24	D22	D21	D20	D19
	Data order	DE	NA	NA	EB5	EB4	EB3	EB2
LVDS Channel E3	LVDS output	D23	D17	D16	D11	D10	D5	D27
	Data order	NA	EB7	EB6	EG7	EG6	ER7	ER6

4.2. COLOR DATA INPUT ASSIGNMENT

The brightness of each primary color (red, green and blue) is based on the 8-bit gray scale data input for the color. The higher the binary input, the brighter the color. The table below provides the assignment of color versus data input.

Color		Data Signal																							
		Red								Green								Blue							
		R7	R6	R5	R4	R3	R2	R1	R0	G7	G6	G5	G4	G3	G2	G1	G0	B7	B6	B5	B4	B3	B2	B1	B0
Basic Colors	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Red	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Green	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
	Blue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	Cyan	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Magenta	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	Yellow	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	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	1	1	1	1	1	1
Gray Scale Of Red	Red(0) / Dark	0	0	0	0	0	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	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Red(2)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Red(253)	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Red(254)	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Red(255)	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gray Scale Of Green	Green(0)/Dark	0	0	0	0	0	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	0	0	0	0	1	0	0	0	0	0	0	0	0
	Green(2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Green(253)	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0
	Green(254)	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
	Green(255)	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
Gray Scale Of Blue	Blue(0) / Dark	0	0	0	0	0	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	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	0	0	0	0	0	1	0	0
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Blue(253)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0
	Blue(254)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0
	Blue(255)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1

Note (1) 0: Low Level Voltage, 1: High Level Voltage

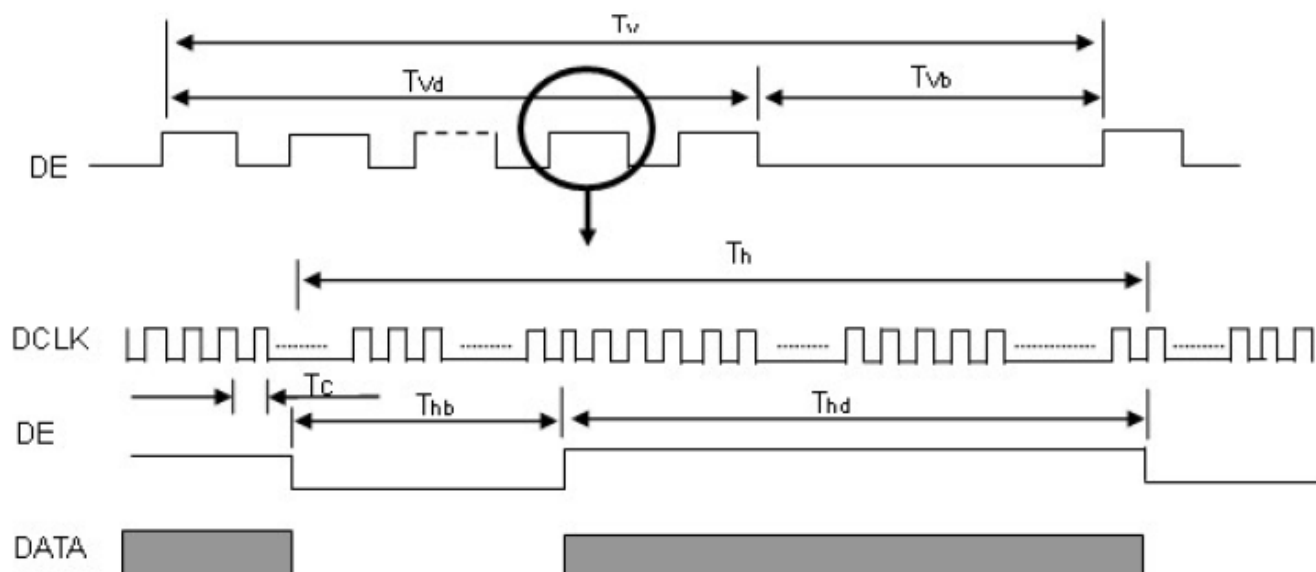
4.3. LCD TIMING CHARACTERISTICS

Signal	Item	Symbol	Min.	Typ.	Max.	Unit	Note
LVDS Clock	Frequency	Fc	60	70.93	73	MHz	
	Period	Tc		14.1		ns	
	Input cycle to cycle jitter	Trcl	-0.02*Tc		0.02*Tc	ns	(3)
	Input clock to data skew	TLVCCS	-0.02*Tc		0.02*Tc	ns	(4)
	Spread spectrum modulation range	Fclkin_mod	FC*98%		FC*102%	MHz	(5)
	Spread spectrum modulation frequency	Fssm			200	KHz	
Vertical Section	Frame Rate	Fr	50	60	60	Hz	Tv=Tvd +Tvb
	Period	Tv	1090	1110	1130	Th	-
	Active Display	Tvd	1080	1080	1080		-
	Blank	Tvb	Tv-Tvd	30	Tv-Tvd		-
Horizontal Display Term	Period	Th	1050	1065	1075	Tc	Th=Thd +Thb
	Active Display	Thd	960	960	960		-
	Blank	Thb	Th-Thd	105	Th-Thd		-

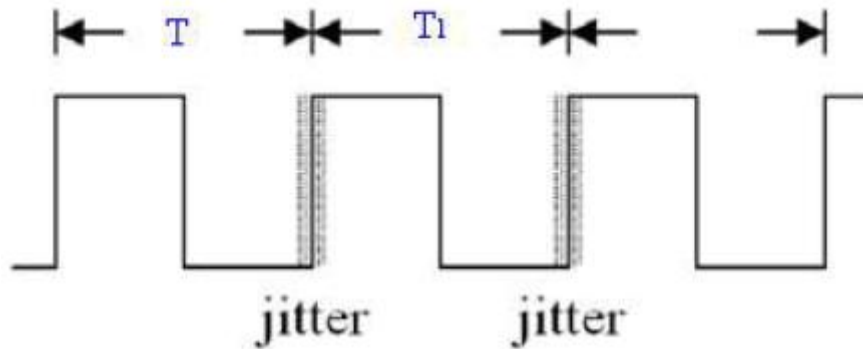
Note (1) because this module is operated by DE mode only, Hsync and Vsync input signals are ignored.

Note (2) the Tv (Tvd +Tvb) must be integer, otherwise, this module would operate abnormally.

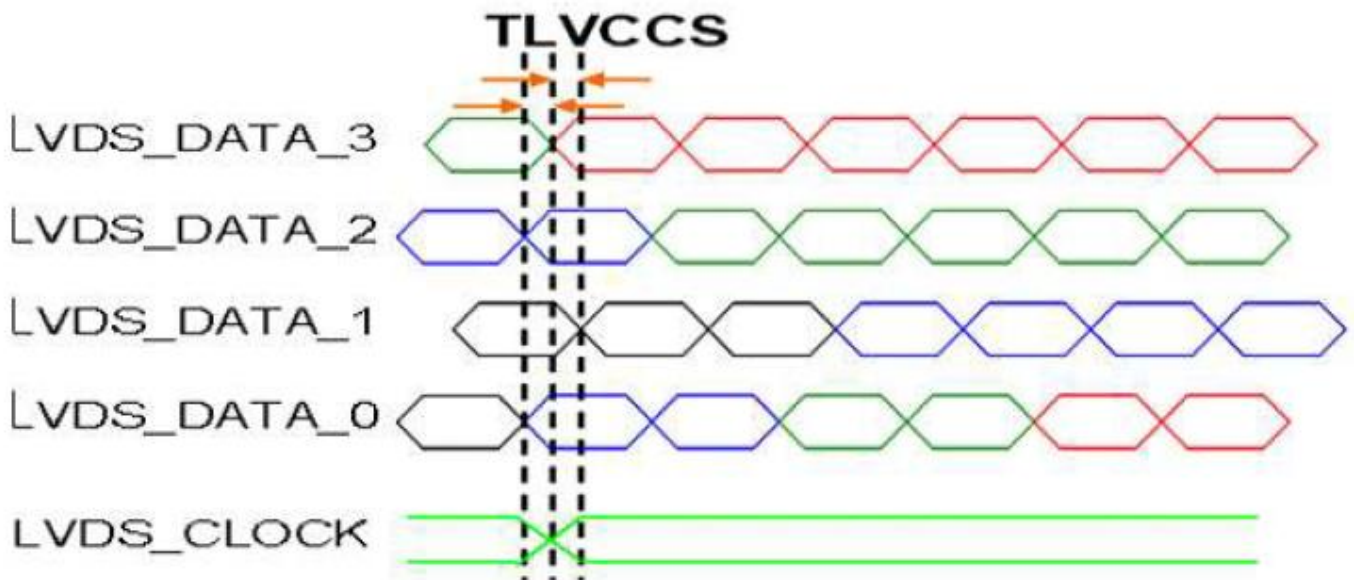
INPUT SIGNAL TIMING DIAGRAM



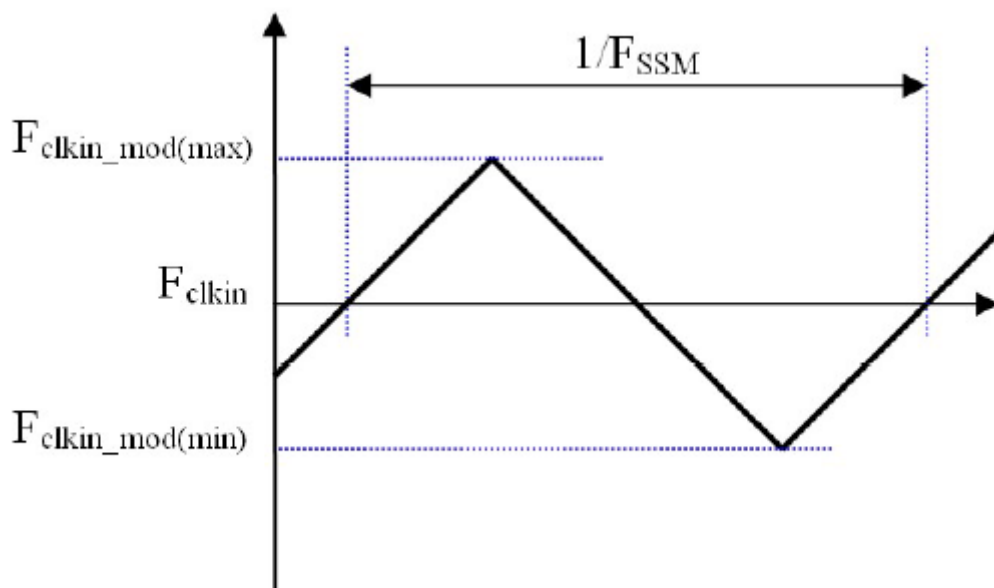
Note (3) the input clock cycle to cycle jitter is defined as below figures, $Trcl = |T_1 - T|$



Note (4) input Clock to data skew is defined as below figures.

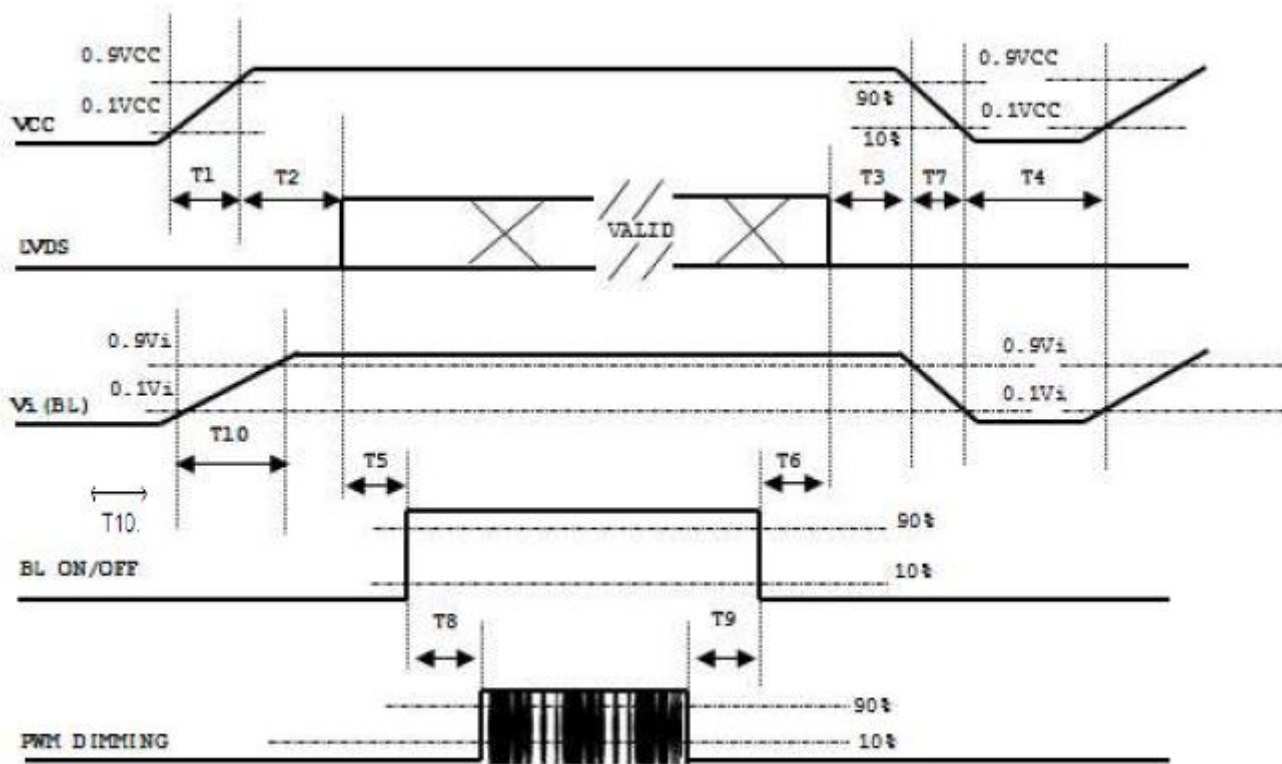


Note (5) the SSCG (Spread spectrum clock generator) is defined as below figures.



4.4. POWER SEQUENCE FOR LCD

The power sequence specifications are shown as the following table and diagram.



Timing Specifications :

Parameter	Value			Units
	Min.	Typ.	Max.	
T1	0.5	-	10	ms
T2	0	-	50	ms
T3	0	-	50	ms
T4	500	-	-	ms
T5	450	-	-	ms
T6	200	-	-	ms
T7	10	-	100	ms
T8	10	-	-	ms
T9	10	-	-	ms
T10	20	-	50	ms

Note :

- (1) The supply voltage of the external system for the module input should be the same as the definition of Vcc.

- (2) When the backlight turns on before the LCD operation of the LCD turns off, the display may momentarily become abnormal screen.
- (3) In case of Vcc = off level, please keep the level of input signals on the low or keep a high impedance.
- (4) T4 should be measured after the module has been fully discharged between power off and on period.
- (5) Interface signal shall not be kept at high impedance when the power is on.
- (6) INX won't take any responsibility for the products which are damaged by the customers not following the Power Sequence.
- (7) There might be slight electronic noise when LCD is turn off (even backlight unit is also off). To avoid the symptom, we suggest "Vcc falling timing" to follow "T7 spec".

4.5. SCANNING DIRECTION

The following figures show the image see from the front view. The arrow indicates the direction of scan.



Fig. 1 Normal scan (PCBA on the bottom side)
(pin 17, REV_SCAN = Low)

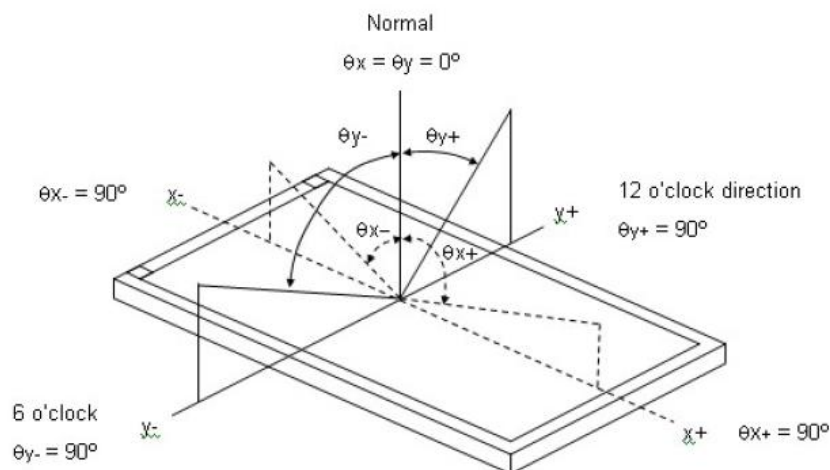


Fig. 2 Reverse scan (PCBA on the bottom side)
(pin 17, REV_SCAN = High)

5. OPTICAL CHARACTERISTICS

Item		Symbol	Condition	Min.	Typ.	Max.	Unit	Note
Color Coordinates	Red	R _x	Θx=0°, Θy=0°	Typ. – 0.05	0.652	Typ. + 0.05	-	1, 5
		R _y			0.338			
	Green	G _x			0.333			
		G _y			0.613			
	Blue	B _x			0.150			
		B _y			0.050			
	White	W _x			0.313			
		W _y			0.329			
	Center Luminance of White				L _C			
Contrast Ratio		CR	600	800	-		2, 5	
Response Time		T _R	Θx=0°, Θy=0°	-	13	18	ms	3
		T _F		-	12	17		
White Variation		W	Θx=0°, Θy=0°	70	-	-	%	5, 6
Viewing Angle	Horizontal	θ _r	CR≥10	85	89	-	Deg.	1, 5
		θ _l		85	89	-		
	Vertical	θ _u		85	89	-		
		θ _d		85	89	-		

Note (1) Definition of Viewing Angle (θ_x, θ_y):



Note (2) Definition of Contrast Ratio (CR):

The contrast ratio can be calculated by the following expression.

$$\text{Contrast Ratio (CR)} = L_{255} / L_0$$

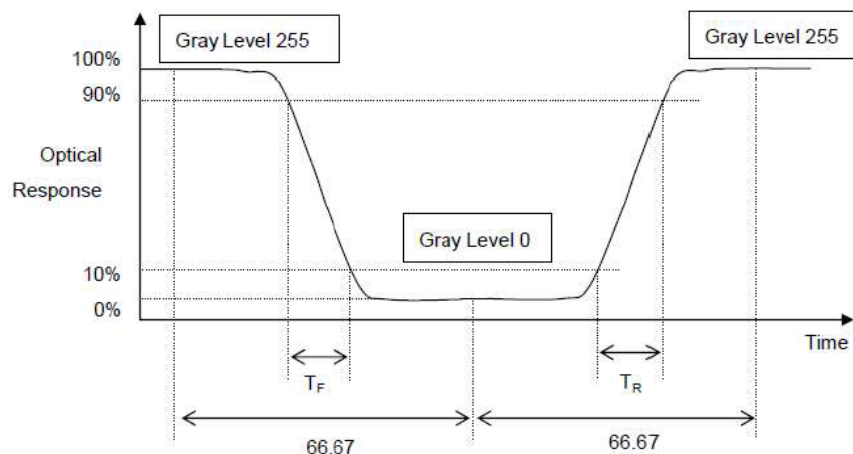
L_{255} : Luminance of gray level 255

L_0 : Luminance of gray level 0

$$\text{CR} = \text{CR} (5)$$

CR (X) is corresponding to the Contrast Ratio of the point X at Figure in Note (6).

Note (3) Definition of Response Time (T_R , T_F):



Note (4) Definition of Luminance of White (L_c):

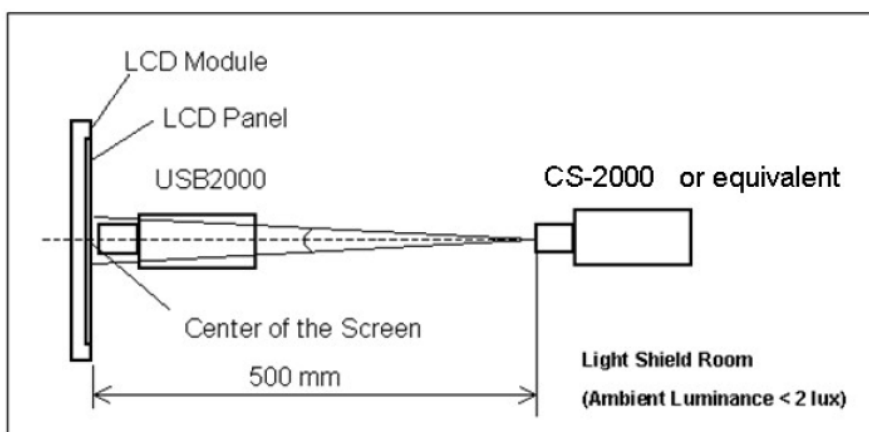
Measure the luminance of gray level 255 at center point

$$L_c = L (5)$$

$L (x)$ is corresponding to the luminance of the point X at Figure in Note (6).

Note (5) Measurement Setup:

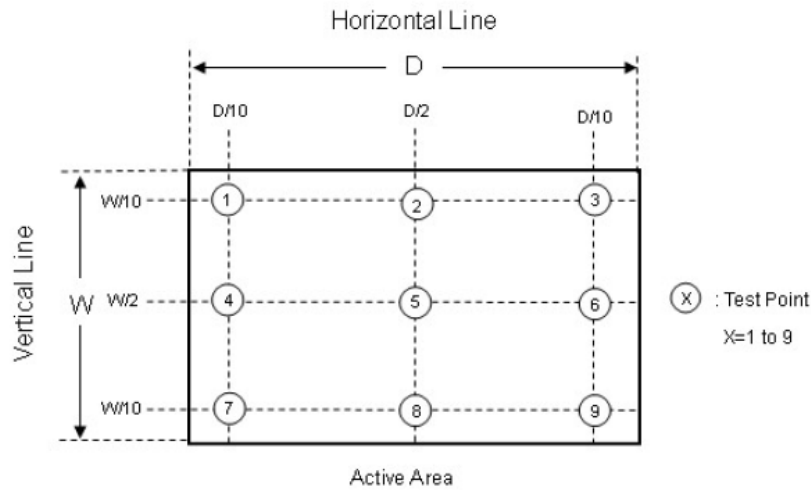
The LCD module should be stabilized at given temperature for 30 minutes to avoid abrupt temperature change during measuring. In order to stabilize the luminance, the measurement should be executed after lighting Backlight for 30 minutes in a windless room.



Note (6) Definition of White Variation (δW):

Measure the luminance of gray level 255 at 9 points

$$\delta W = (\text{Minimum } [L(1) \sim L(9)] / \text{Maximum } [L(1) \sim L(9)]) * 100\%$$



6. RELIABILITY TEST ITEMS

Test Item		Condition
1	High temperature Storage test	80°C, 240hrs
2	Low temperature storage test	-30°C, 240hrs
3	High temperature/Humidity operation test	60°C, 90%RH, 240hrs
4	High temperature operation test	70°C, 240hrs
5	Low temperature operation test	-20°C, 240hrs
6	Thermal Cycle storage test	-30°C(30min)~80°C(30min), 10cycles

7. LABEL

Model No. F156PET-T44

條碼

SN 3A Z 20 2 21 0 XXX1

W=14mm



L=32mm

字型:Arial (6)

Code: 128

字型 : Arial(8)

Code1, 2 Production location

Code 3 Production version

Code 4, 5 Production year

Code 6 Production month

Code 7, 8 Production day

Code 9 Production code

Colde 10, 11, 12, 13 Serial number

8. MECHANICAL CHARACTERISTICS

Item		Dimension	Unit	Note
Outline Dimension	Horizontal	364.30	mm	PCAP : B156PBU-E10
	Vertical	214.60	mm	
	Depth	2.70	mm	
	Horizontal	363.80	mm	LCD : G156HCE-L01
	Vertical	215.90	mm	
	Depth	9.30	mm	
	Horizontal	82.50	mm	Touch Control Board : ETP-MB-EXC84H4254STAG
	Vertical	33.00	mm	
	Depth	7.5	mm	
Weight		1500	g	F156PET-T44
Item		Specification		Remarks
PCAP Sensor Area		363.30 mm x 213.60 mm		
PCAP Active Area		347.50 mm x 196.70 mm		
PCAP FPC Length		96.65 mm		
PCAP Input method		Finger or exclusive pen		
PCAP Light Transmission		$\geq 89 \pm 3 \%$		BYK Gardner, 550nm, ASTMD1003
PCAP Haze		$< 4 \%$		
PCAP Operation force		$\leq 10g$		Finger Input
PCAP Hardness of surface		$\geq 6H$		ASTM D3363, Pressure 750gf /45°test



Product Specification

F156PET-T44

Front View

TBD

Back View

TBD

9. ENGINEERING DRAWING

