



Global LCD Panel Exchange Center

Product Specification

G156XTN01.0

AU OPTRONICS CORPORATION

() Preliminary Specification

(V) Final Specification

Module	15.6 Inch Color TFT-LCD	
Model Name	G156XTN01.0	

Customer	Date
Checked & Approved by	Date
Customer's s	ign back page

	Approved by	Date
	Sean Lín	05/28/2018
	Prepared by	Date
_	Sandy Su	05/28/2018
	General Display Busin AU Optronics co	





G156XTN01.0

AU OPTRONICS CORPORATION

Contents

	General Description	
	2.1 Display Characteristics	
	2.2 Optical Characteristics	6
3.	Functional Block Diagram	9
4.	Absolute Maximum Ratings	. 10
	4.1 Absolute Ratings of TFT LCD Module	10
	4.2 Absolute Ratings of Environment	10
5.	Electrical characteristics	
	5.1 TFT LCD Module	
	5.2 Backlight Unit	13
6.	Signal Characteristic	. 14
	6.1 Pixel Format Image	
	6.2 Signal Description	
	6.3 The Input Data Format	16
	6.4 Interface Timing	
	6.5 Power ON/OFF Sequence	18
7.	Reliability Test Criteria	. 19
8.	Mechanical Characteristics	. 20
	8.1 LCM Outline Dimension (Front View)	20
	8.2 LCM Outline Dimension (Rear View)	21
9.	Packaging Spec	. 22
	9.1 Shipping Label (on the rear side of TFT-LCD display)	
	9.2 Carton & Pallet Package	22





G156XTN01.0

AU OPTRONICS CORPORATION

Record of Revision

Version	Date	Page	Old description	New Description		
0.1	2017/10/31	All	First Edition for Customer			
	5 Physical Size Thickness: 9.1 (D) (Typ.)		_	Update → 9.07 (Typ.); 9.57 (Max.)		
1.0	6		2.2 Optical Characteristics Contrast ratio: TBD Response Time: TBD Viewing Angle: TBD Color / Chromaticity Coordinate: TBD Color Gamut: TBD	Update →500(Min.);800(Typ.) →10(Typ.) →85/85/50/80(Typ.);75/75/40/70(Min.) → Value update as below table →62(Typ.) Red x- Red y- Green y- Green y- Blue x- 0.103- 0.153- 0.203- Blue y- 0.054- 0.104- 0.154- 0.104- 0.154-		
		9	3.Functional Block Diagram	Update		
		11	5.1.1 Power Specification Conditions	Update → 3.3V		
		13	5.2.1 LED Backlight Unit Pin3 Description	Update → 3.3V		
		13	LED Driver Connector Pin1 Symbol: VCC	Update → VLED		
	1.1 2018/05/28 16 R L		Pin Assignment Pin 26~30 Symbol: AVDD	Update → VDD		
1.1			2018/05/28		6.3 The Input Data Format Remove: SEL68 = "High" for 8 bits LVDS Input	Update → LVDS Input format for 8 bits only
			6.4.1 Timing Characteristics Vertical Section HorizontalSection	Update →Horizontal →Vertical Section		
L		1				

G156X I N01.0 rev.1.1

3/23





G156XTN01.0

AU OPTRONICS CORPORATION

1. Operating Precautions

- 1) Since front polarizer is easily damaged, please be cautious and not to scratch it.
- 2) Be sure to turn off power supply when inserting or disconnecting from input connector.
- 3) Wipe off water drop immediately. Long contact with water may cause discoloration or spots.
- 4) When the panel surface is soiled, wipe it with absorbent cotton or soft cloth.
- 5) Since the panel is made of glass, it may be broken or cracked if dropped or bumped on hard surface.
- 6) To avoid ESD (Electro Static Discharde) damage, be sure to ground yourself before handling TFT-LCD Module.
- 7) Do not open nor modify the module assembly.
- 8) Do not press the reflector sheet at the back of the module to any direction.
- 9) In case if a module has to be put back into the packing container slot after it was taken out from the container, do not press the center of the LED light bar edge. Instead, press at the far ends of the LED light bar edge softly. Otherwise the TFT Module may be damaged.
- 10) At the insertion or removal of the Signal Interface Connector, be sure not to rotate nor tilt the Interface Connector of the TFT Module.
- 11) TFT-LCD Module is not allowed to be twisted & bent even force is added on module in a very short time. Please design your display product well to avoid external force applying to module by end-user directly.
- 12) Small amount of materials having no flammability grade is used in the LCD module. The LCD module should be supplied by power complied with requirements of Limited Power Source (IEC60950 or UL1950), or be applied exemption.
- 13) Severe temperature condition may result in different luminance, response time and lamp ignition voltage.
- 14) Continuous operating TFT-LCD display under low temperature environment may accelerate lamp exhaustion and reduce luminance dramatically.
- 15) The data on this specification sheet is applicable when LCD module is placed in landscape position.
- 16) Continuous displaying fixed pattern may induce image sticking. It's recommended to use screen saver or shuffle content periodically if fixed pattern is displayed on the screen.





G156XTN01.0

AU OPTRONICS CORPORATION

2. General Description

Global LCD Panel Exchange Center

This specification applies to the 15.6 inch-wide Color a-Si TFT-LCD Module G156XTN01. The display supports the HD - 1366(H) x 768(V) screen format and 16.7M colors (RGB 6-bits+3-FRC data). All input signals are LVDS interface and this module contains with an LED driver for backlight.

2.1 Display Characteristics

The following items are characteristics summary on the table under 25 condition:

ITEMS		SPECIFIC	CATIONS		
Screen Diagonal	[inch]	15.6"			
Active Area	[mm]	344.232 (H)	x 193.536 (V)	
Resolution		1366 x 768			
Pixel Pitch	[mm]	0.252 x 0.25	2	_	
Pixel Arrangement		R.G.B. Vertic	cal Stripe		
Display Mode		TN Mode, No	ormally Whi	te	
Nominal Input Voltage VDD	[Volt]	+3.3 (typ.)			
LCD Power Consumption	[Watt]	0.66W (Typ. (all black pat		lax.)	
LED Power Consumption	[Watt]	4.77W (Typ.), 5.72 W (Max.) (all black pattern)			
Weight	[g]	860 (Typ.)			
Physical Size			Min.	Тур.	Max.
Include bracket	[mm]	Length	363.3	363.8	364.3
	[11011]	Width	215.4	215.9	216.4
		Thickness		9.07	9.57
Electrical Interface		One channe	ILVDS		
Surface Treatment		Anti-Glare, 3	Н		
Support Color		16.7M	16.7M		
RoHS Compliance		RoHS Comp	RoHS Compliance		
Temperature Range					
Operating [°C]		-30 to 85			
Storage (Non-Operating)	[°C]	-30 to 85			
RoHS Compliance		Yes			

G156XTN01.0 rev.1.1 5/23



G156XTN01.0

AU OPTRONICS CORPORATION

2.2 Optical Characteristics

The optical characteristics are measured under stable conditions at 25 °C(Room Temperature:

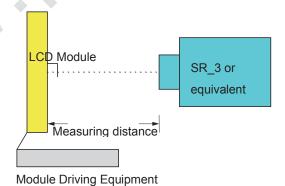
Item	Unit	Conditions		Min.	Тур.	Max.	Note
White Luminance (Center)	cd/m ²	ILED=50mA (C	enter point)	320	400		1
Luminance Uniformity	%	5 pc	oints	70	75	-	2,3
Contrast ratio				500	800	-	4
Response Time	msec	Rising (Tr)+	Falling (Tf)	-	10	-	5
		Horizontal	(Right)	75	85	-	6
Viouing Anglo	[degree]	CR >= 10	(Left)	75	85	-	D
Viewing Angle		Vertical CR >= 10	(Upper)	40	50	-	
			(Lower)	70	80	-	
		Red x		0.570	0.620	0.670	
		Red y		0.300	0.350	0.400	
		Green x		0.274	0.324	0.374	
Color / Chromaticity Coordinate		Green y		0.570	0.620	0.670	
(CIE 1931)		Blue x		0.103	0.153	0.203	
		Blue y		0.054	0.104	0.154	
		White x		0.263	0.313	0.363	
		White y		0.279	0.329	0.379	
Color Gamut	%	CIE 1931		-	62	-	

Note 1: Measurement method

Equipment Pattern Generator, Power Supply, Digital Voltmeter, Luminance meter (SR_3 or equivalent)

Aperture 1 with 50cm viewing distance

Test Point Center Environment < 1 lux



G156XTN01.0 rev.1.1



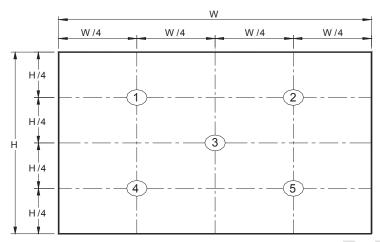
Global LCD Panel Exchange Center

Product Specification

G156XTN01.0

AU OPTRONICS CORPORATION

Note 2: Definition of 5 points position



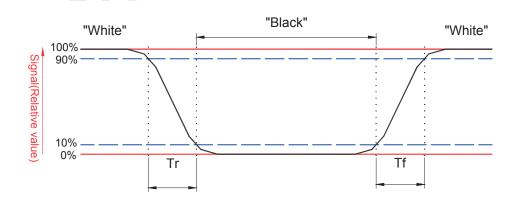
Note 3: The luminance uniformity of 5 points is defined by dividing the minimum luminance values by the maximum test point luminance

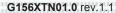
$$\delta_{\text{W5}} = \frac{\text{Minimum Brightness of five points}}{\text{Maximum Brightness of five points}}$$

Note 4: Definition of contrast ratio (CR):

Note 5: Definition of Response time:

The output signals of photo detector are measured when the input signals are changed from "White" to "Black" (falling time) and from "Black" to "White" (rising time), respectively. The response time interval is between 10% and 90% of amplitudes. Please refer to the figure as below.









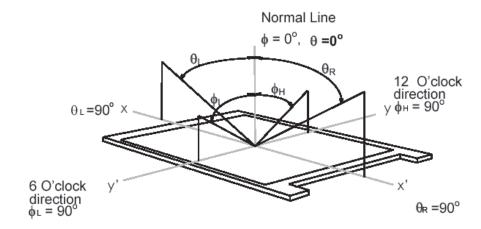
G156XTN01.0

AU OPTRONICS CORPORATION

Note 6: Definition of viewing angle

Global LCD Panel Exchange Center

Viewing angle is the measurement of contrast ratio 10, at the screen center, over a 180° horizontal and 180° vertical range (off-normal viewing angles). The 180° viewing angle range is broken down as below: 90° (θ) horizontal left and right, and 90° (Φ) vertical high (up) and low (down). The measurement direction is typically perpendicular to the display surface with the screen rotated to its center to develop the desired measurement viewing angle.





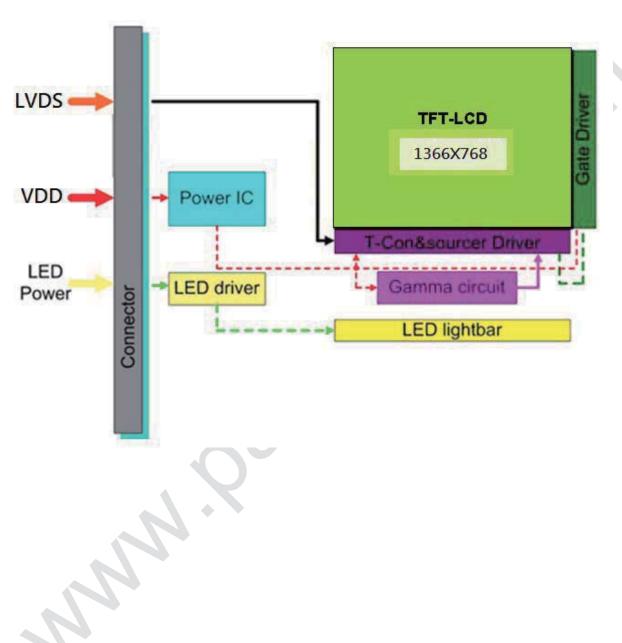


G156XTN01.0

AU OPTRONICS CORPORATION

3. Functional Block Diagram

The following diagram shows the functional block of the 15.6 inch Color TFT-LCD Module:







Global LCD Panel Exchange Center

Product Specification

G156XTN01.0

AU OPTRONICS CORPORATION

4. Absolute Maximum Ratings

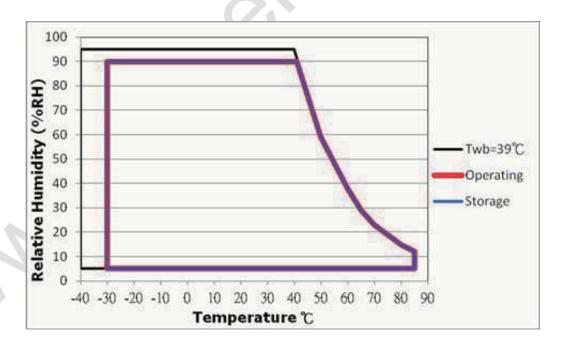
4.1 Absolute Ratings of TFT LCD Module

Item	Symbol	Min	Max	Unit
Logic/LCD Drive Voltage	VDD	0	4.0	[Volt]

4.2 Absolute Ratings of Environment

Item	Symbol	Min.	Max.	Unit
Operating Temperature	TOP	-30	+85	[°C]
Operation Humidity	HOP	5	90	[%RH]
Storage Temperature	TST	-30	+85	[°C]
Storage Humidity	HST	5	90	[%RH]

Note: Maximum Wet-Bulb should be 39 °C and no condensation.







G156XTN01.0

AU OPTRONICS CORPORATION

5. Electrical characteristics

5.1 TFT LCD Module

5.1.1 Power Specification

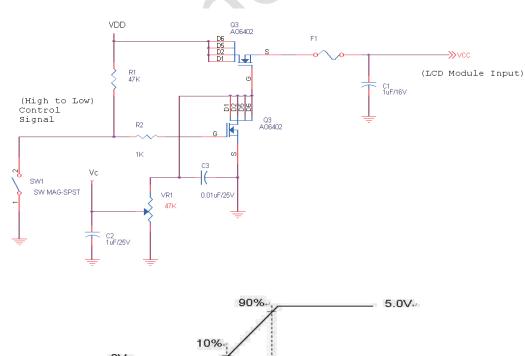
Input power specifications are as following:

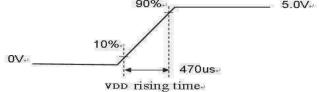
Symbol	Parameter	Min	Тур	Max	Unit	Conditions
VDD	Logic/LCD Drive Voltage	3.0	3.3	3.6	[Volt]	+/-10%
IDD	VDD Current ,Input Current	-	0.20	0.24	[A]	VDD= 3.3V, All Black Pattern At 60Hz *Note 1
IRush	LCD Inrush Current	-	-	2.0	[A]	*Note 2
PDD	VDD Power	-	0.66	0.79	[Watt]	VDD= 3.3V, All Black Pattern At 60Hz
VDDrp	Allowable Logic/LCD Drive Ripple Voltage	-	-	100	[mV] p-p	VDD= 3.3V, All Black Pattern At 60Hz

Note 1: Current fuse is built in a module. Current capacity of power supply for VDD should be larger than 2A design value, so that the fuse can be opened at the trouble of electrical circuit of module.

Note 2: Measurement conditions:

The duration of rising time of power input is 470 us.









G156XTN01.0

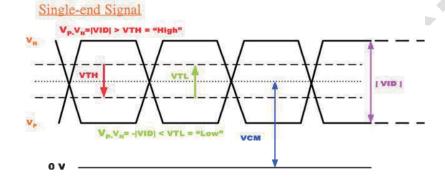
AU OPTRONICS CORPORATION

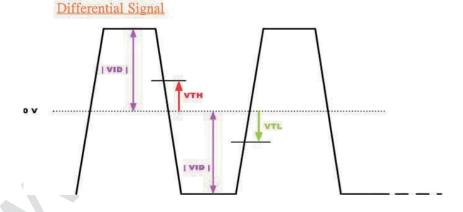
5.1.2 LVDS DC Signal Electrical Characteristics

Symbol	Parameter	Min	Тур	Max	Units	Condition
VTH	Differential Input High Threshold	-	+50	+100	[mV]	VICM = 1.2V
VTL	TL Differential Input Low Threshold		-50	-	[mV]	VICM = 1.2V
VID	Input Differential Voltage	100	-	600	[mV]	
VICM	Differential Input Common Mode Voltage	+1.0	+1.2	+1.5	[V]	VTH-VTL=200MV (Max)

Input signals shall be low or Hi-Z state when VDD is off.

Note: LVDS Signal Waveform





G156XTN01.0 rev.1.1 12/23





G156XTN01.0

AU OPTRONICS CORPORATION

5.2 Backlight Unit

5.2.1 LED Backlight Unit: LED Driver Connector

Connector Name / Designation	LED Connector
Manufacturer	E&T or compatible
Connector Model Number	3808K-F05N-12R or compatible
Mating Connector Model Number	H208K-D05N-22B or compatible

Pin No.	Symbol	Description
Pin1	VLED	12V input
Pin2	GND	GND
Pin3	ON/OFF Enable	3.3V-ON,0V-OFF LED enable
Pin4	Dimming	PWM/Analog
Pin5	NA	NC

5.2.2 Parameter guideline for LED

Following characteristics are measured under a stable condition using an inverter at 25° C (Room Temperature):

LED characteristics

Symbol	Parameter	Min	Тур	Max	Units	Condition
PLED	Backlight Power Consumption	-	4.77	5.72	[Watt]	Ta = 25°C, Note 1 Vin =12V
LTLED	LED Life-Time	50,000	-	-	Hour	Ta = 25°C, Note2

Note 1: Calculator value for reference P_{LED} = VF (Normal Distribution) * IF (Normal Distribution) / Efficiency

Note 2: The LED life-time define as the estimated time to 50% degradation of initial luminous at Ta = 25°C.

Backlight input signal characteristics

Symbol	Parameter	Min	Тур	Max	Units	Remark
VLED (Note 1)	LED Power Supply	10.8	12	13.2	[Volt]	
VLED_EN	LED Enable Input High Level	2.5		5.5	[Volt]	
VLED_EN	LED Enable Input Low Level			0.5	[Volt]	Define as Connector
	PWM Logic Input High Level	2.5		5.5	[Volt]	Interface (Ta=25°ℂ)
VPWM_EN	PWM Logic Input Low Level			0.5	[Volt]	
FPWM	PWM Input Frequency *1	200		20K	Hz	
Duty	PWM Duty Ratio	5		100	%	
lvcc	Input Current	-	0.4	0.48	Α	100% Dimming

Note: Measured on panel VLED

G156XTN01.0 rev.1.

3/23





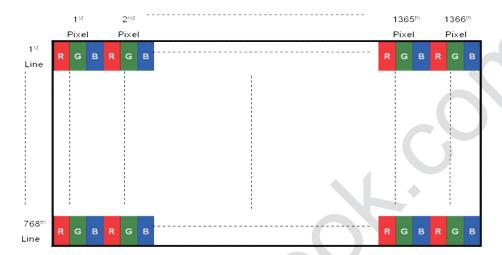
G156XTN01.0

AU OPTRONICS CORPORATION

6. Signal Characteristic

6.1 Pixel Format Image

Following figure shows the relationship of the input signals and LCD pixel format.



6.2 Signal Description

The module uses a LVDS receiver embedded in AUO's ASIC. LVDS is a differential signal technology for LCD interface and a high-speed data transfer device.

TFT LCD Module: LVDS Connector

Connector Name / Designation	Signal Connector
Manufacturer	JAE / STM
Connector Model Number	FI-XB30SSL-HF15 / MSBKT2407P30HB or compatible
Adaptable Plug	FI-X30HL (Locked Type) or compatible

Pin Assignment

PIN no	Symbol	Function	Remark
1	Reserved	No Connection	
2	Reserved	No Connection	
3	Reserved	No Connection	
4	GND	Ground	
5	RXIN0-	-LVDS Differential Data Input, CH0	
6	RXIN0+	+LVDS Differential Data Input, CH0	
7	GND	Ground	
8	RXIN1-	-LVDS Differential Data Input, CH1	

G156XTN01.0 rev.1.1

4/23





Global LCD Panel Exchange Center

Product Specification

G156XTN01.0

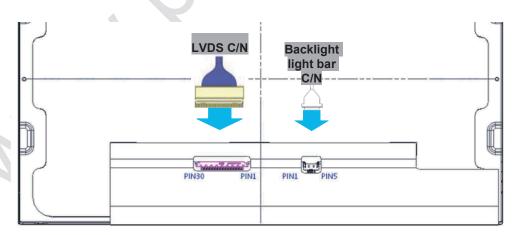
AU OPTRONICS CORPORATION

9	RXIN1+	+LVDS Differential Data Input, CH1	
10	GND	Ground	
11	RXIN2-	-LVDS Differential Data Input, CH2	
12	RXIN2+	+LVDS Differential Data Input, CH2	
13	GND	Ground	
14	RXCLKIN-	-LVDS Differential Clock Input, CH3	
15	RXCLKIN+	+LVDS Differential Clock Input, CH3	
16	GND	Ground	
17	RXIN3-	-LVDS Differential Data Input, CH3	
18	RXIN3+	+LVDS Differential Data Input, CH3	
19	GND	Ground	
20	Reserved	Internal used (recommend no connection)	
21	Reserved	Internal used (recommend no connection)	
22	Reserved	Internal used (recommend no connection)	
23	GND	Ground	
24	GND	Ground	
25	GND	Ground	
26	VDD	Power +3.3V, (typical)	
27	VDD	Power +3.3V, (typical)	
28	VDD	Power +3.3V, (typical)	
29	VDD	Power +3.3V, (typical)	
30	VDD	Power +3.3V, (typical)	

☐ Note 1: Input Signals shall be in low status when VDD is off.

Note 2: High stands for "3.3V", Low stands for "0V", NC means "No Connection".

Note 3: RSV means "Reserved".



Note3: 30pin start from right side of connector.

Note4: Input signals shall be low or High-impedance state when VDD is off.





G156XTN01.0

AU OPTRONICS CORPORATION

6.3 The Input Data Format

LVDS Input format

Rx CLKIN	NS-like format
RxIN0	G0 R5 R4 R3 R2 R1 R0
RxIN1	B1 B0 G5 G4 G3 G2 G1 X
RxIN2	DE
RxIN3	RSV B7 B6 G7 G6 R7 R6

Note1: Please follow PSWG.

Note2: R/G/B data 7:MSB, R/G/B data 0:LSB

Signal Name	Description	Remark
R7	Red Data 7	Red-pixel Data
R6	Red Data 6	
R5	Red Data 5	For 8Bits LVDS input
R4	Red Data 4	MSB: R7; LSB: R0
R3	Red Data 3	
R2	Red Data 2	
R1	Red Data 1	Ť
R0	Red Data 0	
G7	Green Data 7	Green-pixel Data
G6	Green Data 6	
G5	Green Data 5	For 8Bits LVDS input
G4	Green Data 4	MSB: G7 ; LSB: G0
G3	Green Data 3	
G2	Green Data 2	
G1	Green Data 1	
G0	Green Data 0	
B7	Blue Data 7	Blue-pixel Data
B6	Blue Data 6	
B5	Blue Data 5	For 8Bits LVDS input
B4	Blue Data 4	MSB: B7 ; LSB: B0
B3	Blue Data 3	
B2	Blue Data 2	
B1	Blue Data 1	
B0	Blue Data 0	
RxCLKIN	LVDS Data Clock	
DE	Data Enable Signal	When the signal is high, the pixel data
		shall be valid to be displayed.

Note: Output signals from any system shall be low or Hi-Z state when VDD is off.

G156XTN01.0 rev.1.1 16/23





G156XTN01.0

AU OPTRONICS CORPORATION

6.4 Interface Timing

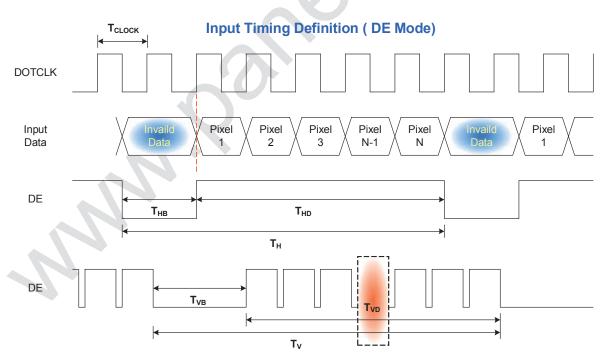
6.4.1 Timing Characteristics

Signal		Symbol	Min	Тур	Max	Unit
Clock Fr	Clock Frequency		60	76	90	MHz
	Period	T _V	1446	1566	1936	
Horizontal	Active	T_VD	1366	1366	1366	T_{Line}
Section	Blanking	T _{VB}	80	200	570	
	Period	T _H	778	806	888	
Vertical Section	Active	T_{HD}	768	768	768	T _{Clock}
	Blanking	T _{HB}	10	38	120	
Frame Rate		F	50	60	75	Hz

Note: 1. The maximum Frame Rate < 90MHz / [(V_Period)*(H_Period)]

- 2. Support DE mode only.
- 3. Typical value refer to VESA STANDARD

6.4.2 Input Timing Diagram



G156XTN01.0 rev.1.

17/23



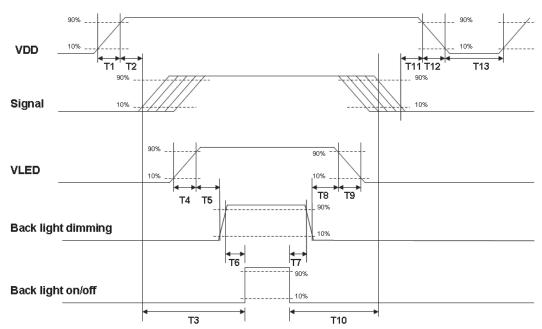


G156XTN01.0

AU OPTRONICS CORPORATION

6.5 Power ON/OFF Sequence

VDD power and LED on/off sequence are as follows. Interface signals are also shown in the chart. Signals from any system shall be Hi-Z state or low level when VDD is off.



Power ON/OFF sequence timing

Damamatan		l luite		
Parameter	Min.	Тур.	Max.	Units
T1	0.5	-	10	[ms]
T2	0	40	50	[ms]
Т3	200	-	-	[ms]
T4	0.5	-	10	[ms]
T5	10	-	-	[ms]
Т6	10	-	-	[ms]
Т7	0	-	-	[ms]
Т8	10	-	-	[ms]
Т9	-	-	10	[ms]
T10	110	-	-	[ms]
T11	0.5	16	50	[ms]
T12	-	-	100	[ms]
T13	1000	_	_	[ms]

The above on/off sequence should be applied to avoid abnormal function in the display. Please make sure to turn off the power when you plug the cable into the input connector or pull the cable out of the connector.

G156XTN01.0 rev.1.1

8/23





G156XTN01.0

AU OPTRONICS CORPORATION

7. Reliability Test Criteria

Environment test conditions are listed as following table.

Items	Required Condition	Note
Temperature Humidity Bias (THB)	Ta= 50 °C, 80%RH, 300hours	
High Temperature Operation (HTO)	Ta= 85 °C, 300hours	<u></u>
Low Temperature Operation (LTO)	Ta= -30 °C, 300hours	
High Temperature Storage (HTS)	Ta= 85 °C, 300hours	
Low Temperature Storage (LTS)	Ta= -30 °C, 300hours	
Thermal Shock Test (TST)	-20 °C /30min, 60 °C /30min, 100 cycles	
Hot Start Test	85 °C /1 Hr min. Power on/off per 5 minutes, 5 times	
Cold Start Test	-30 °C /1 Hr min. Power on/off per 5 minutes, 5 times	
Shock Test (Non-operation)	50G,20ms,Half-sine wave,(+-X,+-Y,+-Z)	
Vibration Test (Non-operation)	1.5G, 10~200~10Hz, Sine wave 30mins/axis, 3 direction (X, Y, Z)	
On/Off Test	On/10sec, Off/10sec, 30,000 cycles	
ESD	Contact : ± 8KV/ operation, Class B Air : ± 15KV / operation, Class B	Note 1
EMI	30-230 MHz, limit 40 dBu V/m, 230-1000 MHz, limit 47 dBu V/m	

Note 1: According to EN61000-4-2, ESD class B: Some performance degradation allowed. No data lostSelf-recoverable. No hardware failures.

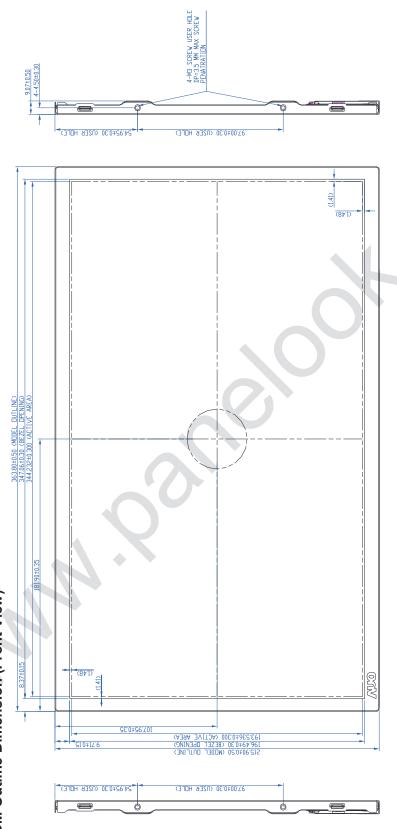
Note 2:

- Water condensation is not allowed for each test items.
- Each test is done by new TFT-LCD module. Don't use the same TFT-LCD module repeatedly for reliability test.
- The reliability test is performed only to examine the TFT-LCD module capability. No function failure occurs. Mura shall be ignored after high temperature reliability test.
- To inspect TFT-LCD module after reliability test, please store it at room temperature and room humidity for 24 hours at least in advance.

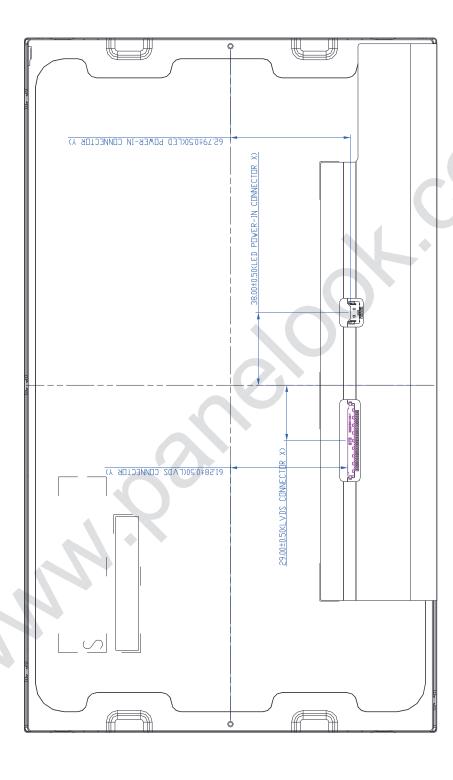
G156XTN01.0 rev.1.

②





NOTE:
I. PRELIMARY BRAVING FOR REFERENCE DW.Y.
2. TOLERANCE WITHOUT SPECIFIED TO BE 0.54M.
3. LIT CONNECTIRE SIM INSERTATOPOGNE
4. THE DIMESTORE SECTIONES DEFORMETION.
5. TOOLE OF M.S. USER HOLE SCOULD BE WITHIN AKGF-CM AND RE-SCREW 10 TIME.



8.2 LCM Outline Dimension (Rear View)



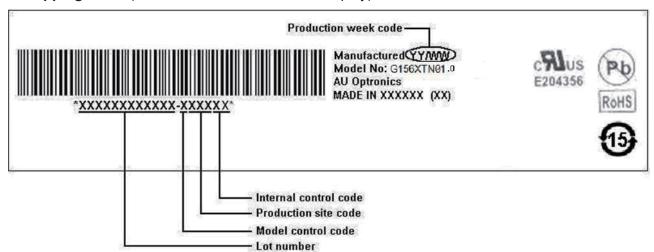


G156XTN01.0

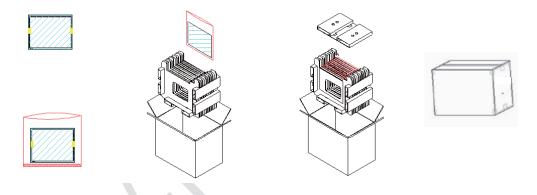
AU OPTRONICS CORPORATION

9. Packaging Spec

9.1 Shipping Label (on the rear side of TFT-LCD display)



9.2 Carton & Pallet Package



Max capacity: 16 TFT-LCD module per carton

Max weight: 15.3 kg per carton

Outside dimension of carton: 450mm(L)*375mm(W)*319mm(H)

Pallet size: 1150 mm* 910 mm*132mm

Box stacked

Module by air : (2 *3) *4 layers, one pallet put 24 boxes, total 384pcs module

Module by sea : (2 *3) *4 layers+(2 *3) *1 layers, two pallet put 30 boxes, total 480pcs module

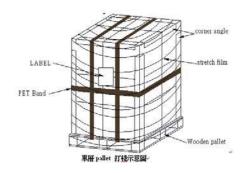
Module by sea_HQ: (2 *3) *4 layers+(2 *3) *2 layers, two pallet put 42 boxes, total 576 pcs module

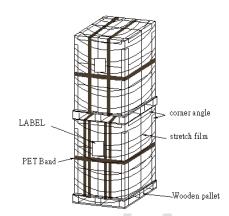




G156XTN01.0

AU OPTRONICS CORPORATION





10. Safety

10.1 Sharp Edge Requirements

There will be no sharp edges or comers on the display assembly that could cause injury.

10.2 Materials

10.2.1 Toxicity

There will be no carcinogenic materials used anywhere in the display module. If toxic materials are used, they will be reviewed and approved by the responsible AUO toxicologist.

10.2.2 Flammability

All components including electrical components that do not meet the flammability grade UL94-V1 in the module will complete the flammability rating exception approval process.

The printed circuit board will be made from material rated 94-V1 or better. The actual UL flammability rating will be printed on the printed circuit board.

10.3 Capacitors

If any polarized capacitors are used in the display assembly, provisions will be made to keep them from being inserted backwards.

10.4 National Test Lab Requirement

The display module will satisfy all requirements for compliance to:

UL 60950-1 second edition

U.S.A. Information Technology Equipment