

Model Name: T260XW04 V1

Issue Date: 2009/10/19

() Preliminary Specifications

(*) Final Specifications

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Record of Revision

Version	Date	Page	Description
0.0	2009/10/19		First release
1.0	2010/01/04		Power and Lum.
			2D Diagram
·			



1. General Description

This specification applies to the 26.0 inch Color TFT-LCD Module T260XW04 V1. This LCD module has a TFT active matrix type liquid crystal panel 1366x768 pixels, and diagonal size of 26.0 inch. This module supports 768x1366 mode. Each pixel is divided into Red, Green and Blue sub-pixels or dots which are arranged in vertical stripes. Gray scale or the brightness of the sub-pixel color is determined with a 8-bit gray scale signal for each dot.

The T260XW04 V1 has been designed to apply the 8-bit 1 channel LVDS interface method. It is intended to support displays where high brightness, wide viewing angle, high color saturation, and high color depth are very important.

* General Information

Items	Specification	Unit	Note
Active Screen Size	26.00	inch	
Display Area	575.769 (H) x 323.712(V)	mm	
Outline Dimension	626.0 (H) x 373.0 (V) x 49.6(D)	mm	Without inverter
Driver Element	a-Si TFT active matrix		
Display Colors	8 bit, 16.7M	Colors	
Number of Pixels	768 x1366	Pixel	
Pixel Pitch	0.4215 (H) x 0.4215(W)	mm	
Pixel Arrangement	RGB Horizontal stripe		
Display Operation Mode	Normally Black		
Surface Treatment	Anti-Glare, 3H		Haze=13%



2. Absolute Maximum Ratings

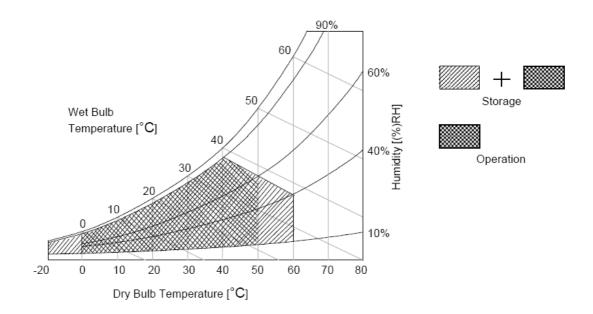
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The followings are maximum values which, if exceeded, may cause faulty operation or damage to the unit

Item	Symbol	Min	Max	Unit	Conditions
Logic/LCD Drive Voltage	Vcc	-0.3	14	[Volt]	Note 1
Input Voltage of Signal	Vin	-0.3	4	[Volt]	Note 1
Operating Temperature	TOP	0	+50	[°C]	Note 2
Operating Humidity	HOP	10	90	[%RH]	Note 2
Storage Temperature	TST	-20	+60	[°C]	Note 2
Storage Humidity	HST	10	90	[%RH]	Note 2
Panel Surface Temperature	PST		65	[°C]	Note 3

Note 1: Duration: 1sec.

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 Specification

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The T260XW04 V1 requires two power inputs. One is employed to power the LCD electronics and to drive the TFT array and liquid crystal. The second input for BLU is to power inverter.

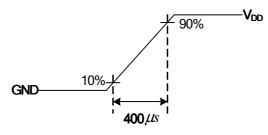
3.1 Electrical Characteristics

	Parameter	Symbol		Value		Unit	Note
	Farameter	Syllibol	Min.	Тур.	Max	Offic	Note
LCD							
Power Supp	ly Input Voltage (12V model)	V_{DD}	10.8	12	13.2	V _{DC}	1
Power Supp	ly Input Current (by Product define)	I _{DD}		0.27	0.35	Α	2
Power Cons	sumption (by Product define)	Pc		3.24	4.2	Watt	2
Inrush Curre	ent (by Product define)	I _{RUSH}			3.0	Α	3
	Differential Input High Threshold Voltage	V _{TH}	1	Ť	+100	4	4
LVDS Interface	Differential Input Low Threshold Voltage	V _{TL}	-100	1		4	4
	Input Common Mode Voltage	V _{ICM}	1.1	1.25	1.4	V_{DC}	4
CMOS	Input High Threshold Voltage	V _{IH} (High)	2.7	1	3.3	V_{DC}	
Interface	Input Low Threshold Voltage	V _{IL} (Low)	0	1	0.6	V_{DC}	
Backlight Power Consumption (Refer to Section: 3.7)		P _{BL}	49	51.5	54	Watt	
Life Time			50000			Hours	5

Note:

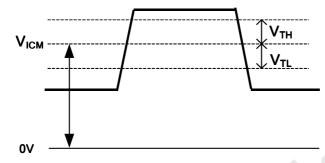
- 1. The ripple voltage should be controlled under 10% of V_{CC}
- 2. Test Condition:
 - (1) $V_{DD} = 12.0V$
 - (2) Fv = 60Hz
 - (3) $F_{CLK} = 80MHz$
 - (4) Temperature = 25 °C
 - (5) Test Pattern: White Pattern

Measurement condition: Rising time = 400us



4. $V_{ICM} = 1.25V$

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5. Specified values are for a single lamp only which is aligned horizontally. The lifetime is defined as the time which luminance of the lamp is 50% compared to its original value.

[Operating condition: Continuous operating at Ta = 25±2°C]



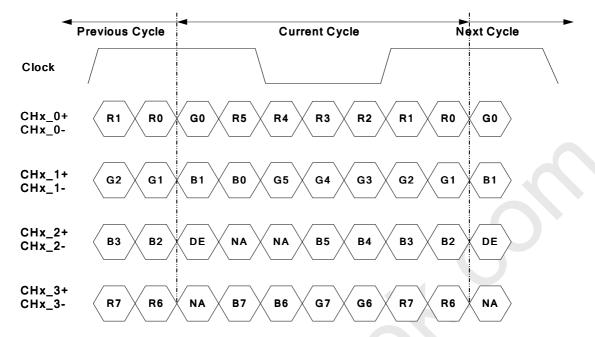
3.2 Interface Connections

LCD connector: CN1: Starconn 093G30-B0001A-1

Mating connector:

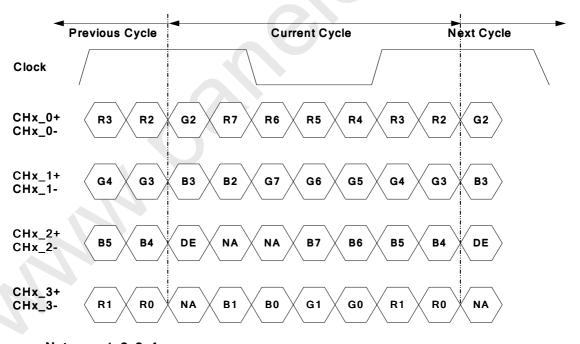
PIN	Symbol	Description					
1	VDD	Power Supply, +12V DC Regulated					
2	VDD	Power Supply, +12V DC Regulated					
3	VDD	Power Supply, +12V DC Regulated					
4	VDD	Power Supply, +12V DC Regulated					
5	GND	Ground					
6	GND	Ground					
7	GND	Ground					
8	GND	Ground					
9	LVDS_SEL	Open/High(3.3V) for NS, Low(GND) for JEIDA					
10	Reserved	AUO Internal Use Only					
11	GND	Ground					
12	CH1_0-	LVDS Channel 1, Signal 0-					
13	CH1_0+	LVDS Channel 1, Signal 0+					
14	GND	Ground					
15	CH1_1-	LVDS Channel 1, Signal 1-					
16	CH1_1+	LVDS Channel 1, Signal 1+					
17	GND	Ground					
18	CH1_2-	LVDS Channel 1, Signal 2-					
19	CH1_2+	LVDS Channel 1, Signal 2+					
20	GND	Ground					
21	CH1_CLK-	LVDS Channel 1, Clock -					
22	CH1_CLK+	LVDS Channel 1, Clock +					
23	GND	Ground					
24	CH1_3-	LVDS Channel 1, Signal 3-					
25	CH1_3+	LVDS Channel 1, Signal 3+					
26	GND	Ground					
27	Reserved	AUO Internal Use Only					
28	Reserved	AUO Internal Use Only					
29	GND	Ground					
30	GND	Ground					

LVDS Option = High/Open→NS



Note: x = 1, 2, 3, 4...

LVDS Option = Low→JEIDA



Note: x = 1, 2, 3, 4...

3.3 Signal Timing Specification

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This is the signal timing required at the input of the user connector. All of the interface signal timing should be satisfied with the following specifications for its proper operation.

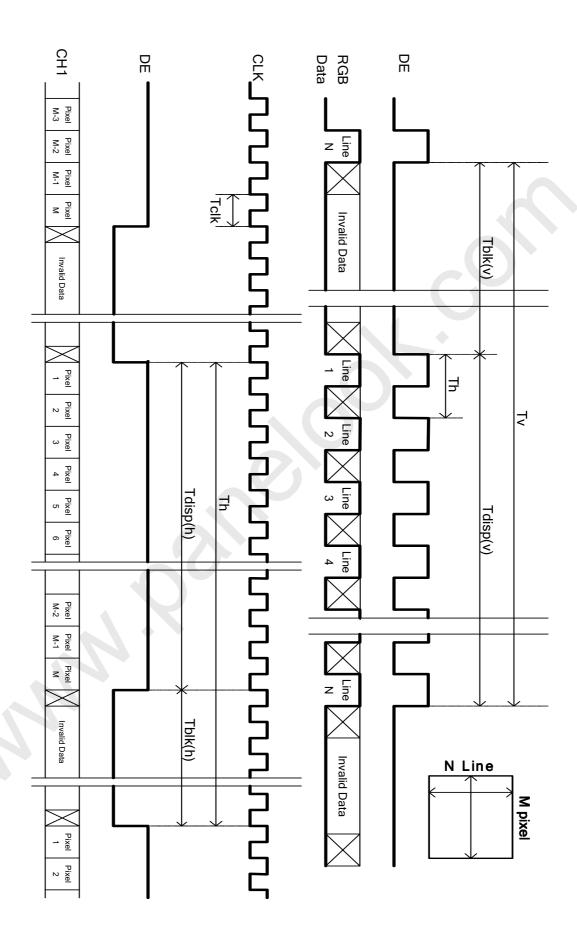
Timing Table

Signal	Item	Symbol	Min.	Тур.	Max	Unit	
Vertical Section	Period	Tv	784	810	1015	Th	
	Active	Tdisp (v)		768		Th	
	Blanking	Tblk (v)	16	42	247	Th	
	Period	Th	1460	1648	2000	Tclk	
Horizontal Section	Active	Tdisp (h)		1366			
	Blanking	Tblk (h)	94	282	634	Tclk	
Clock	Frequency	Fclk=1/Tclk	50	80	86	MHz	
Vertical Frequency	Frequency	Fv	47	60	63	Hz	
Horizontal Frequency	Frequency	Fh	43	48	53	KHz	

Notes:

- (1) Display position is specific by the rise of DE signal only. Horizontal display position is specified by the rising edge of 1st DCLK after the rise of 1st DE, is displayed on the left edge of the screen.
- (2) Vertical display position is specified by the rise of DE after a "Low" level period equivalent to eight times of horizontal period. The 1st data corresponding to one horizontal line after the rise of 1st DE is displayed at the top line of screen.
- (3) If a period of DE "High" is less than 1366 DCLK or less than 768 lines, the rest of the screen displays black.
- (4) The display position does not fit to the screen if a period of DE "High" and the effective data period do not synchronize with each other.

3.4 Signal Timing Waveforms





3.5 Color Input Data Reference

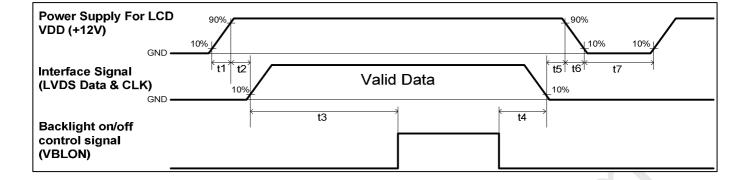
The brightness of each primary color (red, green and blue) is based on the 8 bit gray scale data input for the color; the higher the binary input, the brighter the color. The table below provides a reference for color versus data input.

COLOR DATA REFERENCE

											I	npu	t Co	lor I	Data	a									
	Color				RE	ΞD							GRI	EEN							BL	UE			
	Color	MS	В					LS	SB	MS	В					LS	SB	MS	В					LS	SB
		R7	R6	R5	R4	R3	R2	R1	R0	G7	G6	G5	G4	G3	G2	G1	G0	В7	B6	B5	B4	ВЗ	B2	B1	В0
	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(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
	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
Basic	Blue(255)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
Color	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
	RED(000)	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(001)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R							Λ(
	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
	GREEN(000)	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(001)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
G				Δ																					
	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
	BLUE(000)	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(001)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
В																									
	BLUE(254)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
	BLUE(255)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1



3.6 Power Sequence for LCD



Davamatav		Lloit		
Parameter	Min.	Type.	Unit	
t1	0.4		30	ms
t2	0.1			ms
t3	200			ms
t4	0 ^{*1}			ms
t5	0			ms
t6			*2 	ms
t7	500			ms

Note:

- (1) T4=0 : concern for residual pattern before BLU turn off.
- (2) T6: voltage of VDD must decay smoothly after power-off. (customer system decide this value)
- (3) T2b: customer decide this value



3.7 Backlight Specification (LIPS Type)

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The backlight unit contains 3U type CCFLs (Cold Cathode Fluorescent Lamp)

3.7.1 Electrical specification(Recommended)

ltom	Cymbal	Condition		Spec		Linit	Note
Item	Symbol	Condition	Min	Тур	Max	Unit	Note
Operating Voltage	Vo	-	1053	1170	1287	Vrms	
Operating Current	lo	-	12.5	13	13.5	mArms	
BL Total Power Dissipation	PBL	-	-	51.5	-	Watt	
Old Car Wallace	Votk	At 0°C	2220	-	-	Vrma	
Striking Voltage	Vstk	At 25 ℃	1850	-	-	Vrms	
Striking Time	Ts	-	1	1.5	2	sec	
Operating Frequency	fo	-	53	55	57	kHz	
PWM Operating Frequency	F_PWM	-	140	180	240	Hz	
PWM Dimming Duty Ratio	D_PWM	-	5	<u> </u>	100	%	Note 1&2
Lamp Ty	pe						
Number of L	amps			3	·	pcs	

(Ta=25 \pm 5 $^{\circ}$ C, Turn on for 45minutes)

Note 1: Dimming range



PWM Dimming: include Internal and External PWM Dimming

Note 2: Low dimming ratio operation

When PWM dimming duty ratio is operated lower than recommended value, feedback signal and all protection functions should be confirmed by LIPS design. Display performance should also be confirmed by customer's implement.



3.7.2 Lamp specification

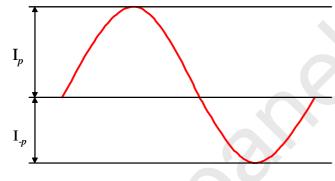
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lkom	Cymphol	Condition			Unit	Note	
Item	Symbol	Symbol Condition Min Typ Ma				Unit	Note
Lamp voltage	VL		1053	1170	1287	Vrms	
Lamp current	IL		-	13	-	mArms	
Lamp frequency	fL		40	-	80	kHz	
Ctauting valtage	1/2	At 0°C	-	-	2220	Vrms	
Starting voltage	Vs	At 25℃	-		1850	Vrms	
Delayed discharge time	TD		-	-	3	sec	
Life time	TL		50000	-	-	hr	
Unsymmetrical ratio	UR		-	-	10%	-	Note 4
Crest factor	C.F.		$\sqrt{2} - 10\%$	$\sqrt{2}$	$\sqrt{2} + 10\%$	-	Note 1.

The above characteristics are measured under the conditions: Ambient temperature: 25±2°C, Relative Humidity: 65±20%RH.

Note 1: Waveform definition

Please light on the lamp with symmetrical voltage and current waveform (unsymmetrical ratio is less than 10%, crest factor within $\sqrt{2} \pm 10\%$).



Unsymmetrical Ratio = $|I_p - I_{-p}| / I_{rms} * 100\%$

Crest Factor = I_p (or I_{-p}) / I_{rms}

 I_p : High side peak value

I_{-p}: Low side peak value

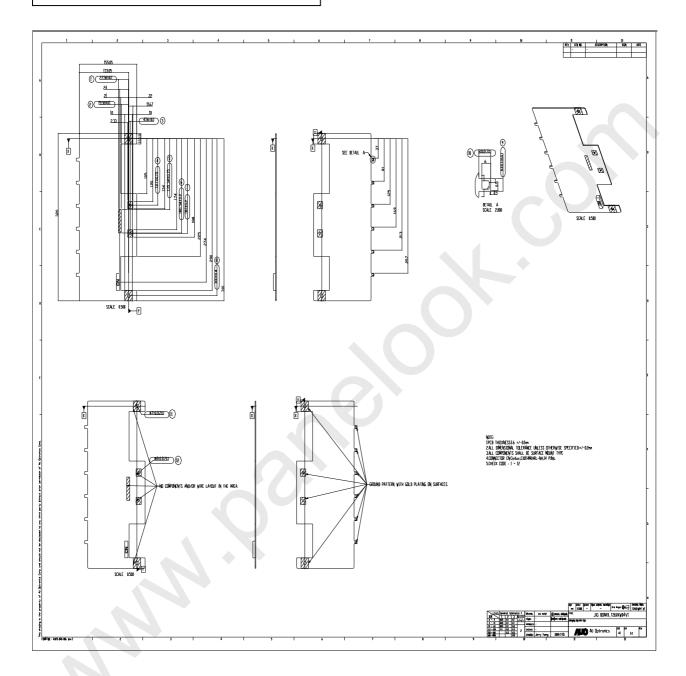
 I_{rms} : Root mean square value





3.7.3 Backlight Connector Pin Configuration

CN1: CviLux/Lock type _CI0114M1HRL-NH



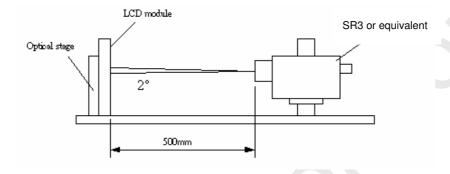




4. Optical Specification

Optical characteristics are determined after the unit has been 'ON' and stable for approximately 45 minutes in a dark environment at 25 °C. The values specified are at an approximate distance 50cm from the LCD surface at a viewing angle of φ and θ equal to 0° .

Fig.1 presents additional information concerning the measurement equipment and method.



Davarantav	0	Values			11.2	N
Parameter	Symbol	Min.	Тур.	Max	Unit	Notes
Contrast Ratio	CR	2400	3000			1
Surface Luminance (White)	L _{WH}	350	420		cd/m ²	2
Luminance Variation	δ _{WHITE(9P)}			1.3		3
Response Time (G to G)	Тү		6.5		Ms	4
Color Gamut	NTSC		72		%	
Color Coordinates						
Red	R_X		0.640			
	R_{Y}		0.330	1		
Green	G _X		0.281			
	G_Y	Turn 0.00	0.590	T . 0.00		
Blue	B _X	Тур0.03	0.150	- Typ.+0.03		
	B _Y		0.050			
White	W _X		0.280			
	W_{Y}		0.290			
Viewing Angle						5
x axis, right(φ=0°)	θ_{r}		89		degree	
x axis, left(φ=180°)	θ_{l}		89		degree	
y axis, up(φ=90°)	θ_{u}		89		degree	
y axis, down (φ=270°)	$\theta_{\sf d}$		89		degree	



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Note:

1. Contrast Ratio (CR) is defined mathematically as:

Contrast Ratio=
$$\frac{\text{Surface Luminance of L}_{\text{on5}}}{\text{Surface Luminance of L}_{\text{off5}}}$$

- 2. Surface luminance is luminance value at point 5 across the LCD surface 50cm from the surface with all pixels displaying white. From more information see FIG 2. When lamp current $I_H = 11$ mA. L_{WH} =Lon5 where Lon5 is the luminance with all pixels displaying white at center 5 location.
- 3. The variation in surface luminance, δWHITE is defined (center of Screen) as:

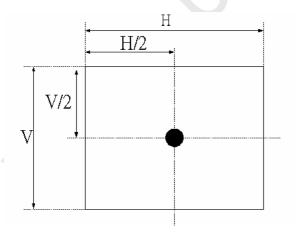
 $\delta_{WHITE(9P)} = Maximum(L_{on1}, L_{on2}, ..., L_{on9}) / Minimum(L_{on1}, L_{on2}, ... L_{on9})$

4. Response time T_{γ} is the average time required for display transition by switching the input signal for five luminance ratio (0%,25%,50%,75%,100% brightness matrix) and is based on F_v=60Hz to optimize.

Measured		Target					
Response Time		0%	25%	50%	75%	100%	
	0%		0% to 25%	0% to 50%	0% to 75%	0% to 100%	
	25%	25% to 0%		25% to 50%	25% to 75%	25% to 100%	
Start	50%	50% to 0%	50% to 25%		50% to 75%	50% to 100%	
	75%	75% to 0%	75% to 25%	75% to 50%		75% to 100%	
	100%	100% to 0%	100% to 25%	100% to 50%	100% to 75%		

4. Viewing angle is the angle at which the contrast ratio is greater than 10. The angles are determined for the horizontal or x axis and the vertical or y axis with respect to the z axis which is normal to the LCD surface. For more information see FIG4.

FIG. 2 Luminance



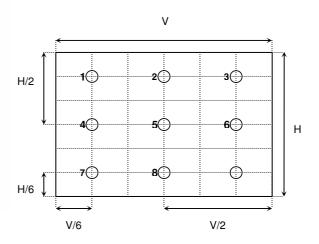
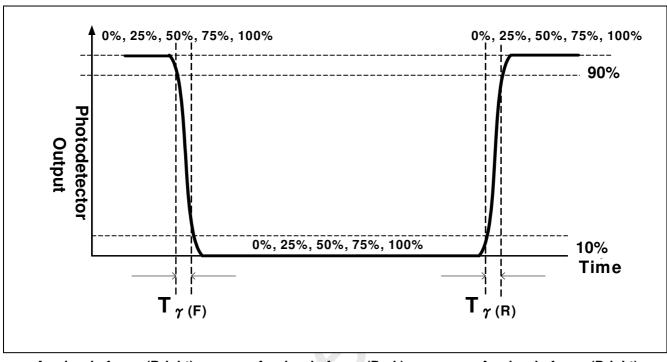






FIG.3 Response Time

The response time is defined as the following figure and shall be measured by switching the input signal for "any level of grey (bright) " and "any level of gray(dark)".

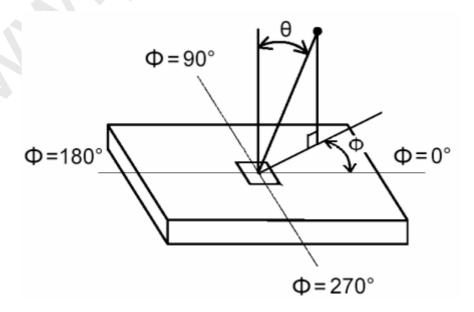


Any level of gray (Bright)

Any level of gray (Dark)

Any level of gray (Bright)

FIG.4 Viewing Angle







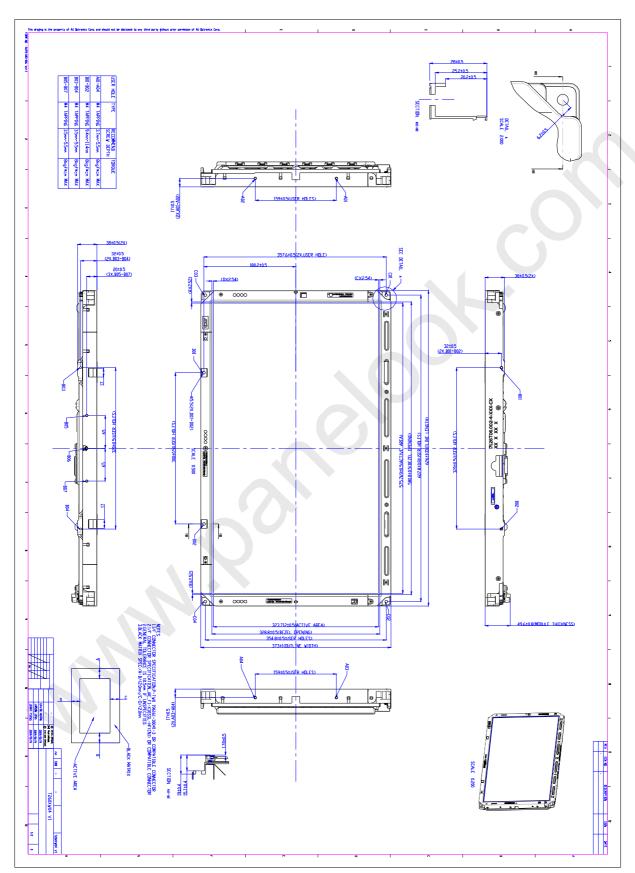
5. Mechanical Characteristics

The contents provide general mechanical characteristics for the model T260XW05 V0. In addition the figures in the next page are detailed mechanical drawing of the LCD.

	Horizontal	626.0 mm	
Outline Dimension	Vertical	373.0 mm	
	Depth	49.6 mm (to inverter cover)	
Band On aring	Horizontal	580.8 mm 328.8 mm	
Bezel Opening	Vertical	328.8 mm	
A 11 B1 A	Horizontal	575.769mm	
Active Display Area	Vertical	323.712 mm	
Weight	3720g (Typ.)		
Surface Treatment	Anti-Glare, 3H		



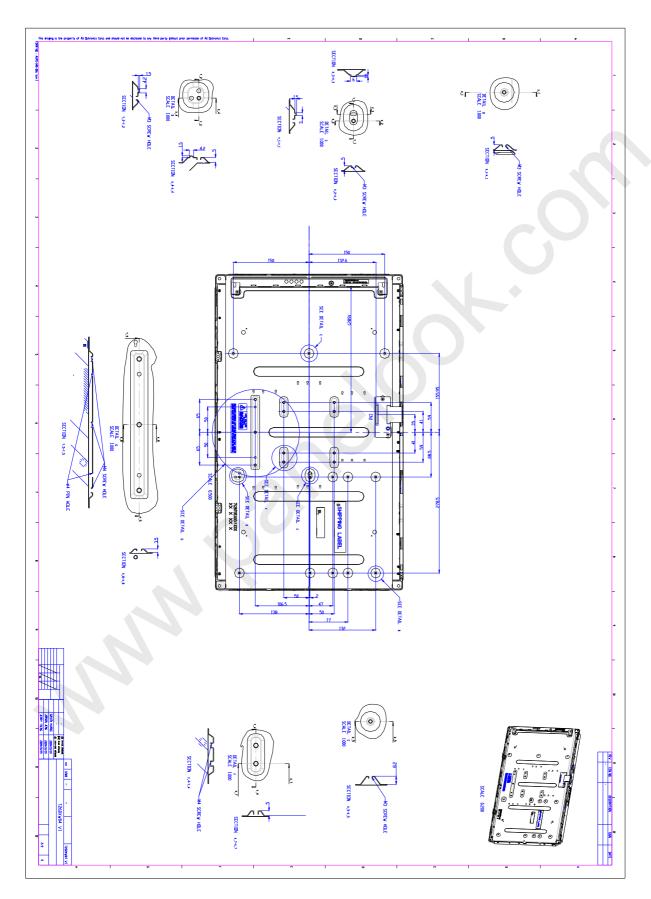
Front View







Back View







6. Reliability Test Items

	Test Item	Q'ty	Condition
1	High temperature storage test	3	60℃, 300hrs
2	Low temperature storage test	3	-20℃ , 300hrs
3	High temperature operation test	3	50℃, 300hrs
4	Low temperature operation test	3	-5℃, 300hrs
5	Vibration test (non-operation)	3	Wave form: random Vibration level: 1.5G RMS Bandwidth: 10-300Hz, Duration: X, Y, Z 30min One time each direction
6	Shock test (non-operation)	3	Shock level: 50G Waveform: half since wave, 11ms Direction: ±X, ±Y, ±Z, One time each direction
7	Vibration test (With carton)	3	Random wave (1.5G RMS, 10-200Hz) 30mins/ Per each X,Y,Z axes
8	Drop test (With carton)	3	Height: 457mm 1 corner, 3 edges, 6 surfaces (ASTMD4169-I)





7. International Standard

7.1 Safety

- (1) UL 60950-1, UL 60065; Standard for Safety of Information Technology Equipment Including electrical Business Equipment.
- (2) IEC 60950-1: 2001, IEC 60065:2001; Standard for Safety of International Electrotechnical Commission
- (3) EN 60950 : 2001+A11, EN 60065:2002+A1:2006; European Committee for Electrotechnical Standardization (CENELEC), EUROPEAN STANDARD for Safety of Information Technology Equipment Including Electrical Business Equipment.

7.2 EMC

- (1) ANSI C63.4 "Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electrical Equipment in the Range of 9kHz to 40GHz. "American National standards Institute(ANSI), 1992
- (2) C.I.S.P.R "Limits and Methods of Measurement of Radio Interface Characteristics of Information Technology Equipment." International Special committee on Radio Interference.
- (3) EN 55022 "Limits and Methods of Measurement of Radio Interface Characteristics of Information Technology Equipment." European Committee for Electrotechnical Standardization. (CENELEC), 1998



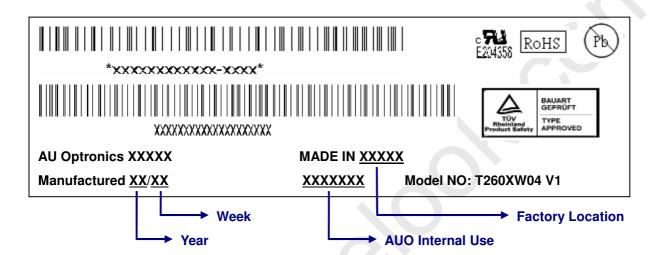


8. Packing

8-1 DEFINITION OF LABEL:

A. Panel Label:



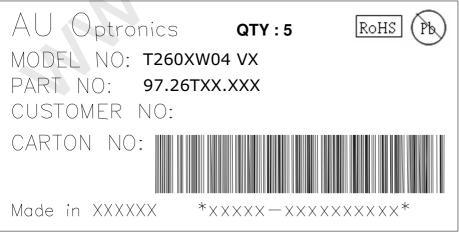


Green mark description

- (1) For Pb Free Product, AUO will add for identification.
- (2) For RoHs compatible products, AUO will add RoHS for identification.

Note: The green Mark will be present only when the green documents have been ready by AUO internal green team. (definition of green design follows the AUO green design checklist.)

B. Carton Label:

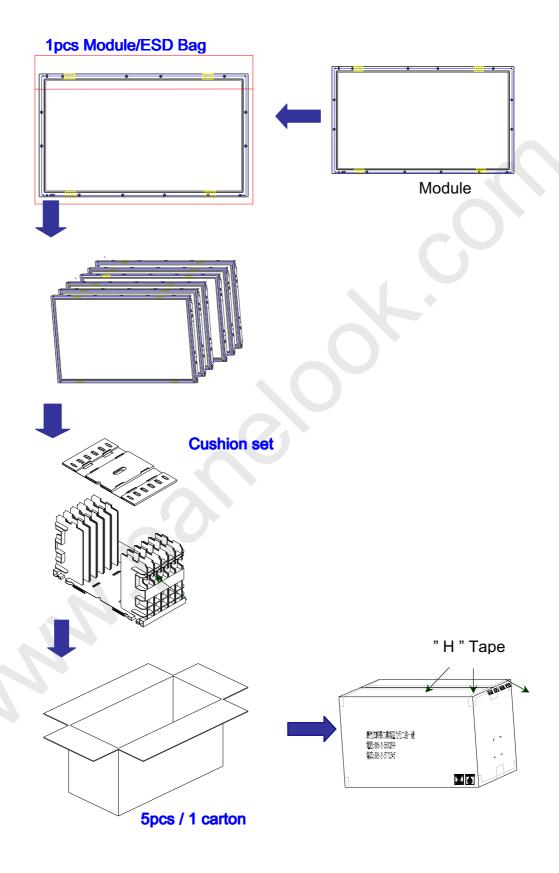


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8-2 PACKING METHODS:

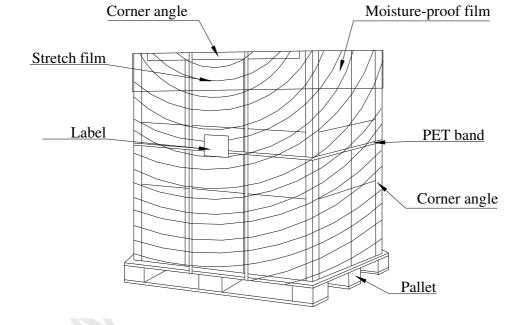






8-3 Pallet and Shipment Information

	ltem		Packing Remark			
Item		Qty.	Dimension	Weight (kg)	T acking Hemaik	
1	Packing BOX	5pcs/box	722(L)*350(W)*438(H)	26		
2	Pallet	1	1060(L)*740(W)*135(H)	16		
3	Boxes per Pallet	6 boxes/pallet				
4	Panels per Pallet	30pcs/pallet				
	Pallet after packing	66	1060(L)*740(W)*1011(H)	150		





Global LCD Panel Exchange Center

T260XW04 V1 Product Specification Rev. 0.0

9. PRECAUTIONS

Please pay attention to the followings when you use this TFT LCD module.

9-1 MOUNTING PRECAUTIONS

- (1) You must mount a module using holes arranged in four corners or four sides.
- (2) You should consider the mounting structure so that uneven force (ex. twisted stress) is not applied to module. And the case on which a module is mounted should have sufficient strength so that external force is not transmitted directly to the module.
- (3) Please attach the surface transparent protective plate to the surface in order to protect the polarizer. Transparent protective plate should have sufficient strength in order to the resist external force.
- (4) You should adopt radiation structure to satisfy the temperature specification.
- (5) Acetic acid type and chlorine type materials for the cover case are not desirable because the former generates corrosive gas of attacking the polarizer at high temperature and the latter cause circuit broken by electro-chemical reaction.
- (6) Do not touch, push or rub the exposed polarizer with glass, tweezers or anything harder than HB pencil lead. And please do not rub with dust clothes with chemical treatment. Do not touch the surface of polarizer for bare hand or greasy cloth. (Some cosmetics are detrimental to the polarizer.)
- (7) When the surface becomes dusty, please wipe gently with absorbent cotton or other soft materials like chamois soaks with petroleum benzene. Normal-hexane is recommended for cleaning the adhesives used to attach front/ rear polarizer. Do not use acetone, toluene and alcohol because they cause chemical damage to the polarizer.
- (8) Wipe off saliva or water drops as soon as possible. Their long time contact with polarizer causes deformations and color fading.
- (9) Do not open the case because inside circuits do not have sufficient strength.

9-2 OPERATING PRECAUTIONS

- (1) The device listed in the product specification sheets was designed and manufactured for TV application
- (2) The spike noise causes the mis-operation of circuits. It should be lower than following voltage: V=±200mV(Over and under shoot voltage)
- (3) Response time depends on the temperature. (In lower temperature, it becomes longer..)
- (4) Brightness of CCFL depends on the temperature. (In lower temperature, it becomes lower.) And in lower temperature, response time (required time that brightness is stable after turned on) becomes longer.
- (5) Be careful for condensation at sudden temperature change. Condensation makes damage to

polarizer or electrical contacted parts. And after fading condensation, smear or spot will occur.

- (6) When fixed patterns are displayed for a long time, remnant image is likely to occur.
- (7) Module has high frequency circuits. Sufficient suppression to the electromagnetic interference shall





be done by system manufacturers. Grounding and shielding methods may be important to minimize the interface.

9-3 ELECTROSTATIC DISCHARGE CONTROL

Since a module is composed of electronic circuits, it is not strong to electrostatic discharge. Make certain that treatment persons are connected to ground through wristband etc. And don't touch interface pin directly.

9-4 PRECAUTIONS FOR STRONG LIGHT EXPOSURE

Strong light exposure causes degradation of polarizer and color filter.

9-5 STORAGE

When storing modules as spares for a long time, the following precautions are necessary.

- (1) Store them in a dark place. Do not expose the module to sunlight or fluorescent light. Keep the temperature between 5°C and 35°C at normal humidity.
- (2) The polarizer surface should not come in contact with any other object. It is recommended that they be stored in the container in which they were shipped.

9-6 HANDLING PRECAUTIONS FOR PROTECTION FILM

- (1) The protection film is attached to the bezel with a small masking tape. When the protection film is peeled off, static electricity is generated between the film and polarizer. This should be peeled off slowly and carefully by people who are electrically grounded and with well ion-blown equipment or in such a condition, etc.
- (2) When the module with protection film attached is stored for a long time, sometimes there remains a very small amount of glue still on the bezel after the protection film is peeled off.
- (3) You can remove the glue easily. When the glue remains on the bezel or its vestige is recognized, please wipe them off with absorbent cotton waste or other soft material like chamois soaked with normal-hexane.