Distributed by www.texim-europe.com

晶采光電科技股份有限公司
AMPIRE CO., LTD.

SPECIFICATIONS FOR
LCD MODULE

CUSTOMER	
CUSTOMER PART NO.	
AMPIRE PART NO.	AM-1024768YDHZQW-00H
APPROVED BY	
DATE	

☐ Preliminary Specification
■ Formal Specification

Distributed by:
TEXIM EUROPE
www.texim-europe.com

Approved by	Checked by	Organized by
Kokai	Mark	Lawlite

This Specification is subject to change without notice.

Distributed by www.texim-europe.com

RECORD OF REVISION

Revision Date	Page	Contents	Editor
2023/07/27	-	New Release	Lawlite
2023/10/20	12	Update LED Lifetime & LED Voltage	Lawlite

Distributed by www.texim-europe.com

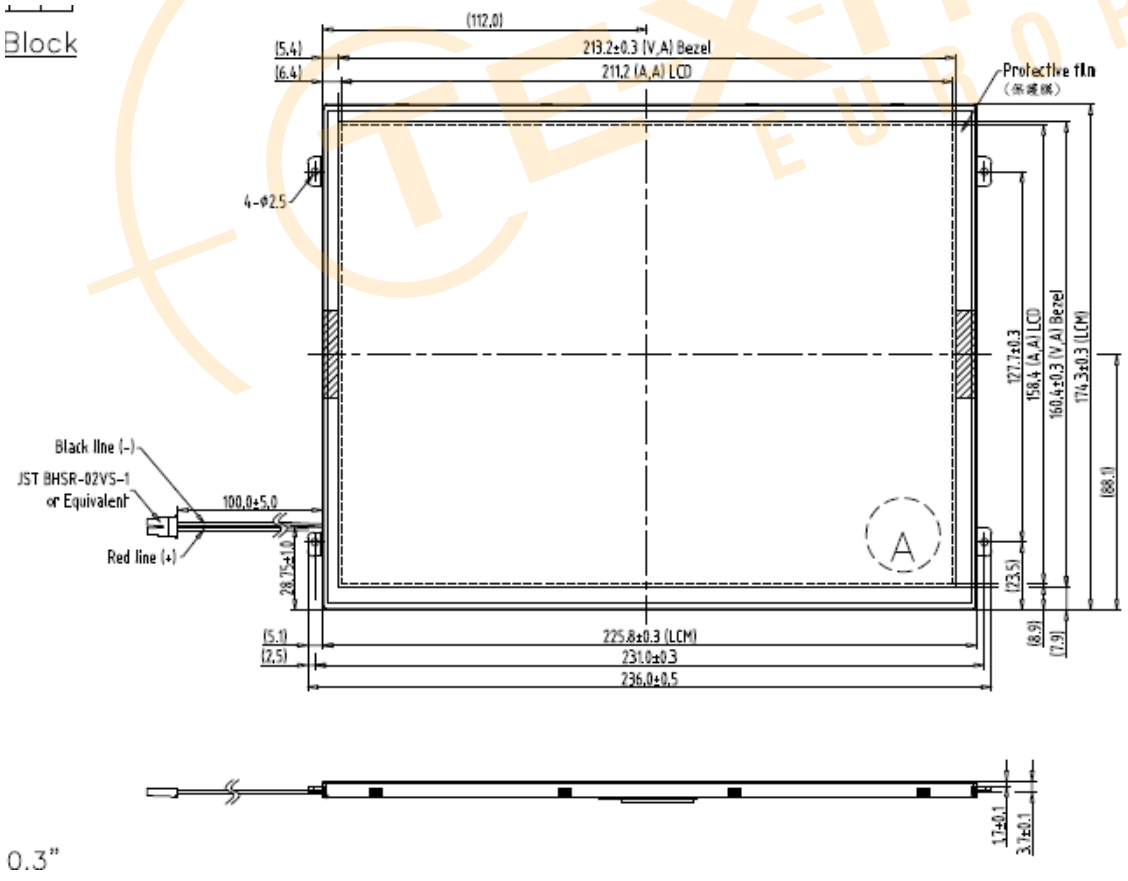
1. General specification

This is a color active matrix thin film transistor (TFT) liquid crystal display (LCD) that uses amorphous silicon TFT as a switching device. This model is composed of a TFT LCD panel, a driving circuit and a back light system. This TFT LCD has a 10.4 inch diagonally measured active display area with HD (1024 horizontal by 768 vertical pixels) resolution.

(1) Construction: 10.4” a-Si TFT active matrix, White LED Backlight.
(2) Resolution (pixel): 1024(R.G.B) X 768
(3) Number of the Colors : 16.2M (R , G , B 8 bit digital each)
(4) LCD type : Normally black
(5) Interface : LVDS interface

1.1 Display Characteristics

Item	Specification	Unit
Outline Diemension	236.0(H) x 174.3(V) x7.4 (D)	mm
Display area	211.2(H) x 158.4(V)	mm
Number of Pixel	1024(H) x 768(V)	pixels
Pixel pitch	0.20625(H) x 0.20625(V)	mm
Pixel arrangement	RGB Vertical Stripe	
Display mode	Normally Black	
NTSC	70(Typ.)	%
Back light	Single LED(Side-Light type)	



Distributed by www.texim-europe.com

2. ABSOLUTE MAXIMUM RATINGS

2.1 Absolute Ratings of TFT LCD Module

Item	Symbol	Min.	Max.	Unit	Note
Power supply voltage	V_{DVDD} V_{DVDD_LVDS}	-0.3	5	V	
	V_{AVDD}	-0.5	15	V	
	V_{GH}	-0.3	42	V	
	V_{GL}	-20	0.3	V	
	V_{GH} - V_{GL}	-0.3	40	V	
Logic Signal Input Level	V_{DVDD} V_{DVDD_LVDS}	-0.3	5	V	

2.2 Absolute Ratings of Environment

Item	Symbol	Min.	Max.	Unit	Note
Operating Temperature	T_{opa}	-20	70	℃	
Storage Temperature	T_{stg}	-30	80	℃	

Distributed by www.texim-europe.com

3. INTERFACE PIN CONNECTION

FPC Pin Assignment:

FPC connector is used for electronics interface. The recommended model is

CN1 (Input signal): 089K60-000100-G2-R (STARCONN)

Pin NO.	Symbol	Description	Note
1	AGND	Analog ground	
2	AVDD	Analog power	
3	DVDD	Digital power	
4	GND	Digital ground	
5	VCOM	Not connect	
6	DVDD	Digital power	
7	GND	Digital ground	
8	V14	Not connect	
9	V13	Not connect	
10	V12	Not connect	
11	V11	Not connect	
12	V10	Not connect	
13	V9	Not connect	
14	V8	Not connect	
15	GND	Digital ground	
16	DVDD_LVDS	LVDS power	
17	GND	Digital ground	
18	PIND3	Positive LVDS differential data input	
19	NIND3	Negative LVDS differential data input	
20	GND	Digital ground	
21	PINC	Positive LVDS differential clock input	
22	NINC	Negative LVDS differential clock input	
23	GND	Digital ground	
24	PIND2	Positive LVDS differential data input	
25	NIND2	Negative LVDS differential data input	
26	GND	Digital ground	
27	PIND1	Positive LVDS differential data input	
28	NIND1	Negative LVDS differential data input	
29	GND	Digital ground	
30	PIND0	Positive LVDS differential data input	

Distributed by www.texim-europe.com

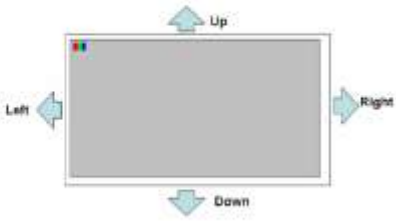
Pin NO.	Symbol	Description	Note
31	NIND0	Negative LVDS differential data input	
32	GND	Digital ground	
33	GND_LVDS	LVDS ground	
34	GRB	Global reset pin. Active low to enter reset state. Suggest to connecting with an RC reset circuit for stability. Normally pull high. (R=10KΩ,C=0.1uF)	
35	STBYB	Standby mode,normally pull high STBYB= 1, normal operation STBYB=0 ,timing control, source driver will turn off, all output are high-Z	
36	SHLR	Left or right display control	Note 1
37	DVDD	Digital power	
38	UPDN	Up / down display control	Note 1
39	AGND	Analog ground	
40	AVDD	Analog power	
41	VCOM	Not connect	
42	DITH	Dithering function enable control.Normally pull low DITHER= "1",Enable internal dithering function DITHER= "0",Disable internal dithering function	
43	GND	Digital ground	
44	DVDD	Digital Power	
45	GND	Digital ground	
46	V7	Not connect	
47	V6	Not connect	
48	V5	Not connect	
49	V4	Not connect	
50	V3	Not connect	
51	V2	Not connect	
52	V1	Not connect	
53	GND	Digital ground	
54	DVDD	Digital power	

Distributed by www.texim-europe.com

Pin NO.	Symbol	Description	Note
55	SELB	6bit/8bit mode select, SELB = "0", LVDS input data is 8bits SELB = "1": LVDS input data is 6bits	Note 2
56	VGH	Positive power for TFT	
57	DVDD	Digital power for Gate IC	
58	VGL	Negative power for TFT	
59	GND	Digital ground for Gate IC	
60	NC	Not connect	

Note 1 : UPDN and SHLR control function

UPDN	SHLR	Data shifting
0	1	Normally display
0	0	Inverse Left and Right
1	1	Inverse Up and Down
1	0	Inverse Left and Right Inverse Up and Down



Note 2 : 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

DITH and SELB control function

DITH	SELB	Data shifting
0	1	Colors (262K)
0	0	Colors (262K)
1	1	Colors (262K)
1	0	Colors (16.2M)

Distributed by www.texim-europe.com

4. ELECTRICAL CHARACTERISTICS

4.1 TFT LCD Module

Item	Symbol	Min.	Typ.	Max.	Unit	Note
Supply Voltage	V_{DVDD} V_{DVDD_LVDS}	3	3.3	3.6	V	
	VGH		25		V	Note (1)
	VGL		-10		V	Note (2)
	AVDD		12.1		V	
	VCOM	5.18	5.48	5.78	V	Note (3)
Input signal voltage	ViH	0.8 VDD		VDD	V	
	ViL	0		0.2VDD	V	
Current of power supply	IDD	TBD	TBD	TBD	mA	VDD =3.3V/ Note (4)
	Iavdd	TBD	TBD	TBD	mA	AVDD=12.1V/ Note (4)
	Ivgh	TBD	TBD	TBD	mA	VGH=25V/ Note (4)
	Ivgl	TBD	TBD	TBD	mA	VGL=-10V/ Note (4)
	Ivcom	TBD	TBD	TBD	mA	VCOM=5.275V/ Note (4)

Note :

(1) : VGH is TFT Gate operating Voltage.

(2) : VGL is TFT Gate operating Voltage.

(3) : VCOM must be adjusted to optimize display quality _ Flicker Pattern ◦

(4) : @ White Pattern & 60Hz ◦

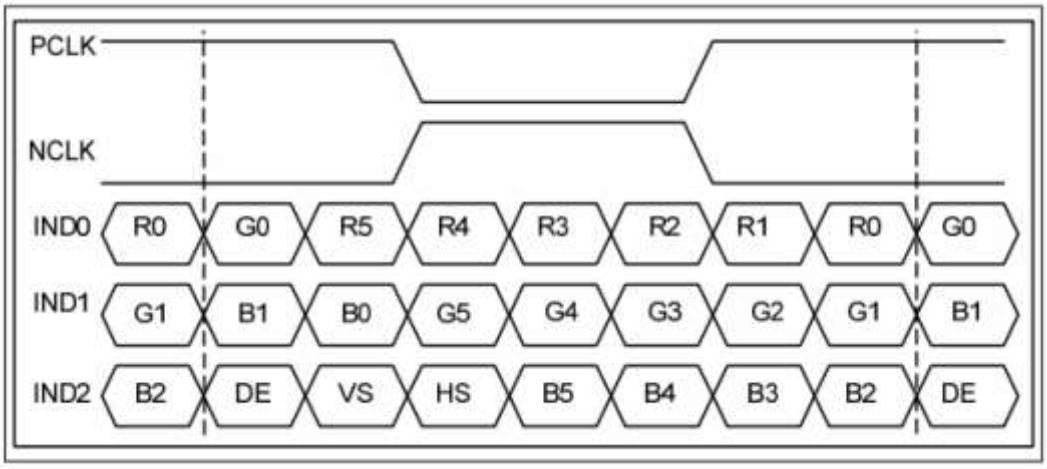
4.2 Switching Characteristics for LVDS Receiver

Item	Symbol	Min.	Typ.	Max.	Unit	Conditions
Differential Input High Threshold	Vth			100	mV	V_{CM}=1.2V
Differential Input Low Threshold	Vtl	-100			mV	
Input Current	I_{IN}	-10		10	uA	
Differential input Voltage	$\|V_{ID}\|$	0.1		0.6	V	
Common Mode Voltage Offset	V_{CM}	0.7	1.2	1.6	V	

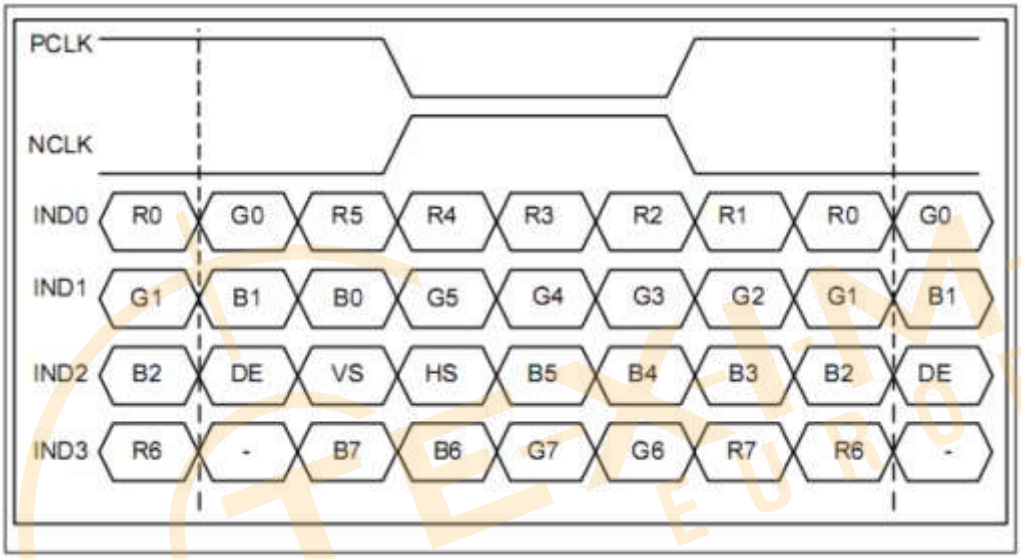
Distributed by www.texim-europe.com

4.3 Bit LVDS input

4.3.1 6Bit LVDS input



4.3.2 8Bit LVDS input



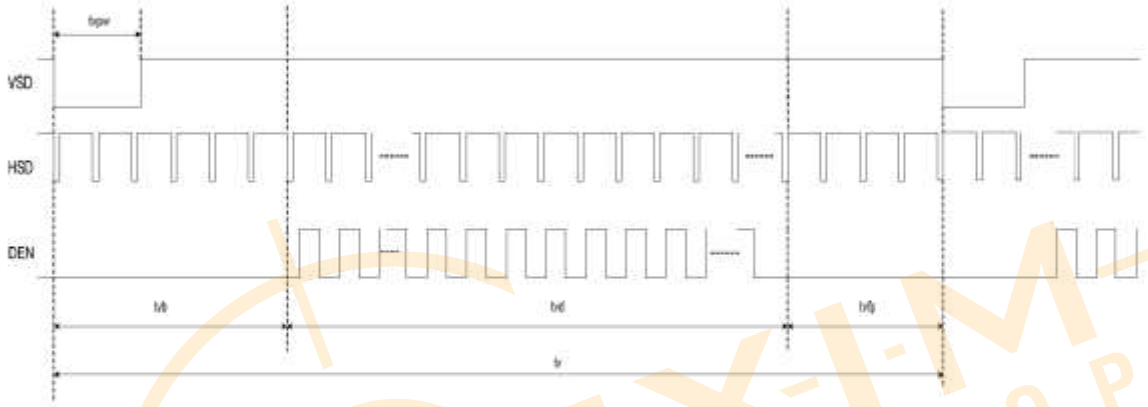
Distributed by www.texim-europe.com

4.4 Interface Timing (DE mode)

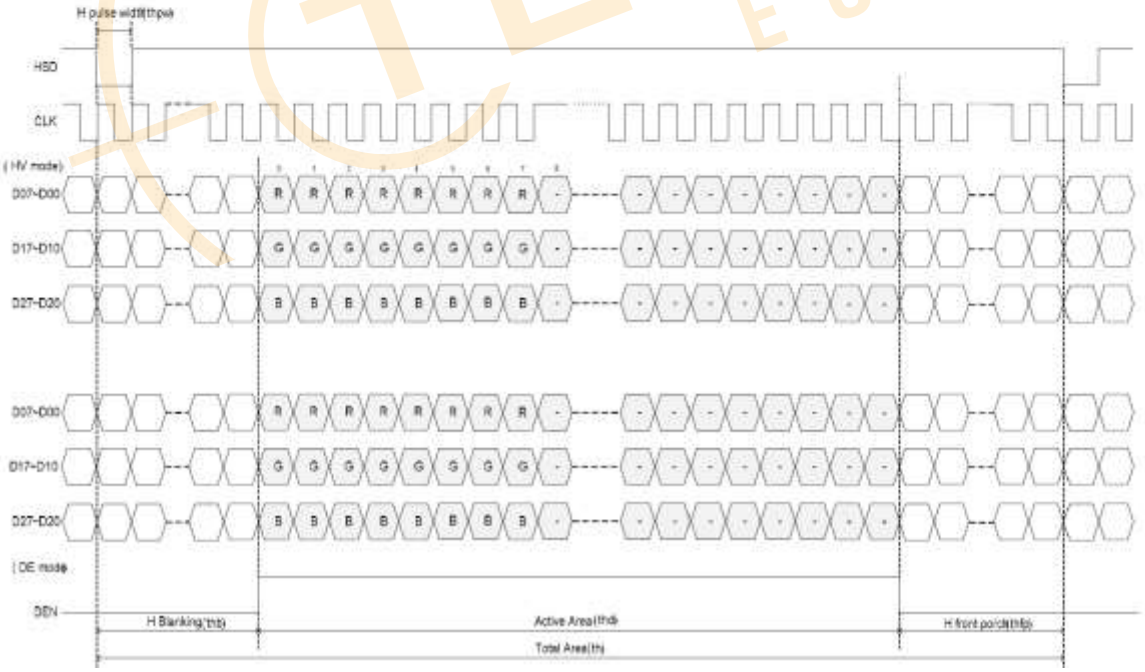
DE mode					
Parameter	Symbol	Value			Unit
		Min.	Typ.	Max.	
DCLK frequency @Frame rate=60hz	fclk	52	65	71	Mhz
Horizontal display area	thd		1024		DCLK
HSYNC period time	th	1114	1344	1400	DCLK
HSYNC blanking	thb+thfp	90	320	376	DCLK
Vertical display area	tvd		768		H
VSYNC period time	tv	778	806	845	H
VSYNC blanking	tvb+tvfp	10	38	77	H

Timing Diagram of Interface Signal (DE mode)

(1). Vertical input timing

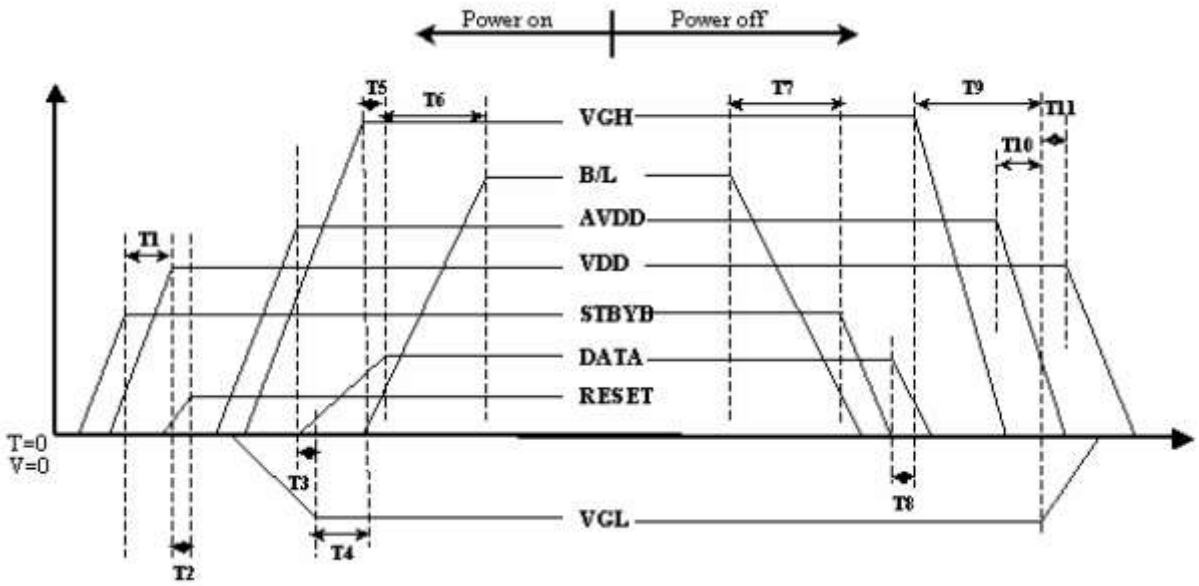


(2). Horizontal input timing



Distributed by www.texim-europe.com

4.5 Power On / Off Sequence



Item	Min.	Typ.	Max.	Unit
T1	0	--	--	ms
T2	50	--	--	ms
T3	5	--	--	ms
T4	10	--	--	ms
T5	20	--	--	ms
T6	50	--	--	ms
T7	20	--	--	ms
T8	10	--	--	ms
T9	20	--	--	ms
T10	10	--	--	ms
T11	20	--	--	ms

Distributed by www.texim-europe.com

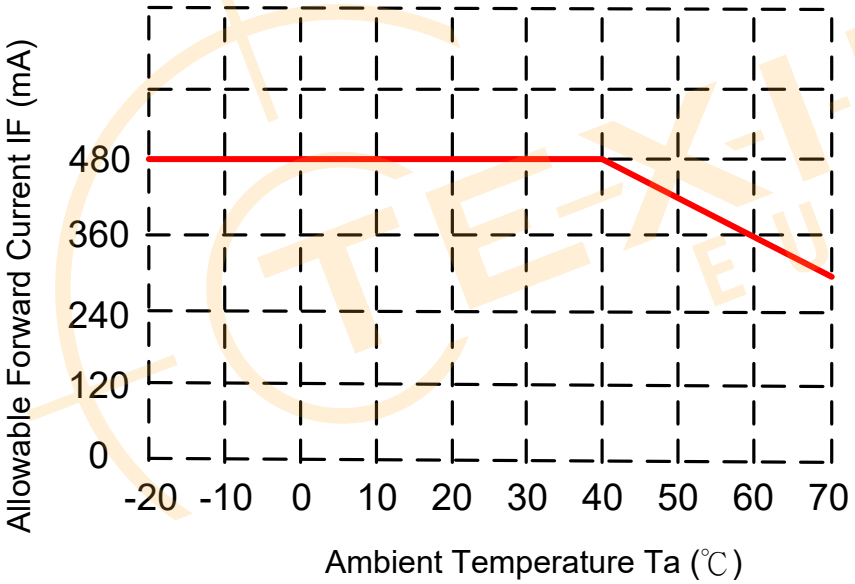
4.6 Backlight Unit

Parameter	Symbol	Min	Typ	Max	Units	Condition
LED Current	I_L	--	480	--	mA	TA=25℃
LED Voltage	V_L	--	12	14	V	TA=25℃ I_L=480mA
LED Life-Time	N/A	30,000	50,000		Hour	TA=25℃ I_L=480mA Note(2)

Note(1). LED life time (Hr) can be defined as the time in which it continues to operate under the condition: Ta=25±3℃, typical IL value indicated in the above table nutil the brightness becomes less than 50%.

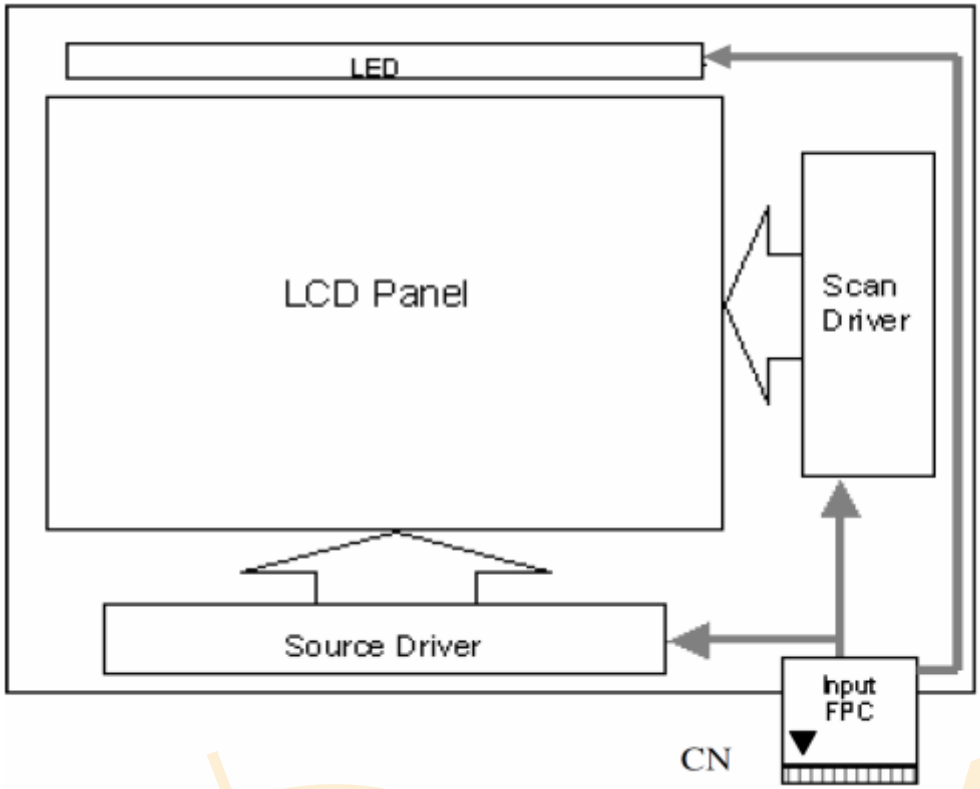
Note(2). The “LED life time” is defined as the module brightness decrease to 50% original brightness at Ta=25℃ and IL=480mA. The LED lifetime could be decreased if operating IL is larger than 480mA. The constant current driving method is suggested.

When LCM is operated over 40℃ ambient temperature, the I_L should be follow :

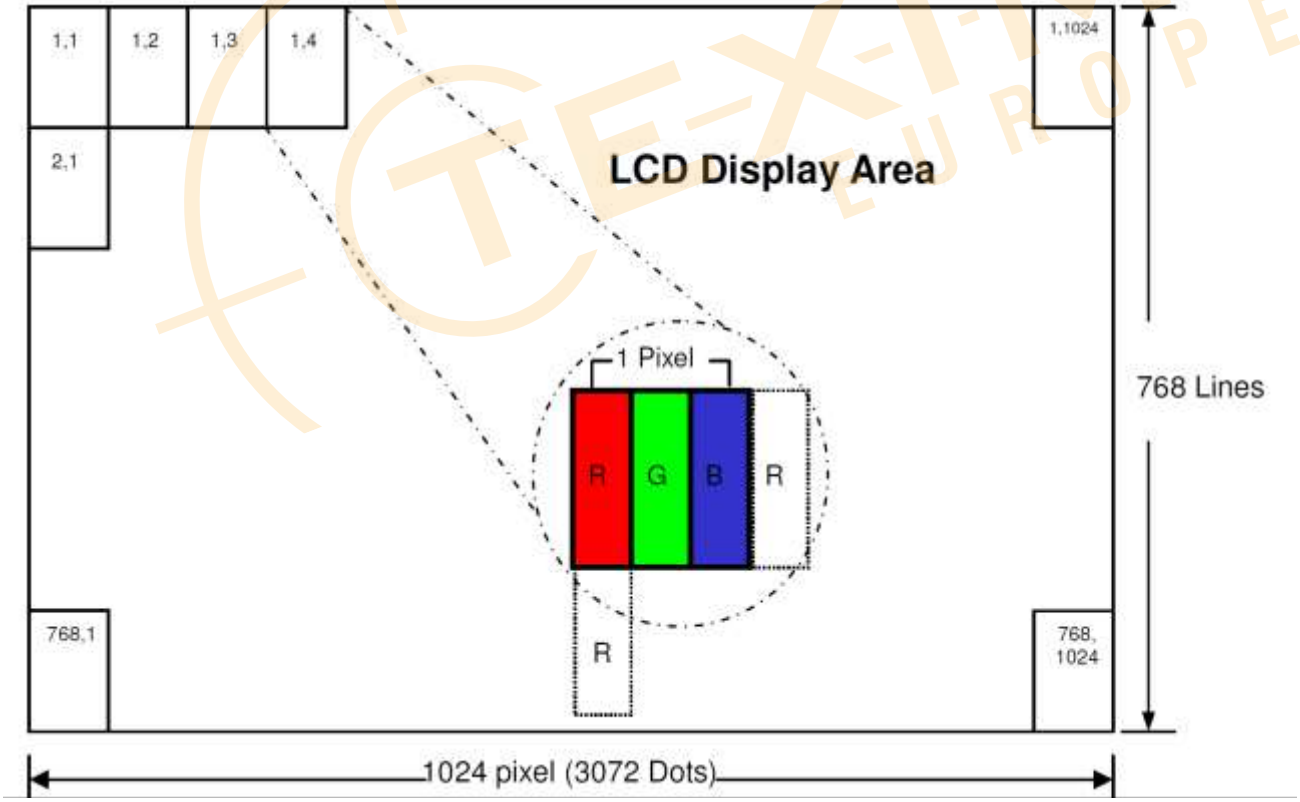


Distributed by www.texim-europe.com

5. Functional Block Diagram



Pixel Format



Distributed by www.texim-europe.com

Relationship between Displayed Color and Input

	Display	MSB R7	R6	R5	R4	R3	R2	R1	LSB R0	MSB G7	G6	G5	G4	G3	G2	G1	LSB G0	MSB B7	B6	B5	B4	B3	B2	B1	LSB B0	Gray scale Level
Basic color	Black	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	-
	Blue	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	H	H	H	H	H	H	H	H	-
	Green	L	L	L	L	L	L	L	L	H	H	H	H	H	H	H	H	L	L	L	L	L	L	L	L	-
	Light Blue	L	L	L	L	L	L	L	L	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	-
	Red	H	H	H	H	H	H	H	H	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	-
	Purple	H	H	H	H	H	H	H	H	L	L	L	L	L	L	L	L	H	H	H	H	H	H	H	H	-
	Yellow	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	L	L	L	L	L	L	L	L	-
	White	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	-
Gray scale of Red	Black	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L0
	Dark	L	L	L	L	L	L	L	H	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L1
	↑	L	L	L	L	L	L	H	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L2
	↑	:								:								:								L3···L251
	↓	H	H	H	H	H	H	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L252
	Light	H	H	H	H	H	H	L	H	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L253
		H	H	H	H	H	H	H	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L254
	Red	H	H	H	H	H	H	H	H	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	Red L255
Gray scale of Green	Black	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L0
	Dark	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	H	L	L	L	L	L	L	L	L	L1
	↑	L	L	L	L	L	L	L	L	L	L	L	L	L	L	H	L	L	L	L	L	L	L	L	L	L2
	↑	:								:								:								L3···L251
	↓	L	L	L	L	L	L	L	L	H	H	H	H	H	H	L	L	L	L	L	L	L	L	L	L	L252
	Light	L	L	L	L	L	L	L	L	H	H	H	H	H	H	L	H	L	L	L	L	L	L	L	L	L253
		L	L	L	L	L	L	L	L	H	H	H	H	H	H	H	L	L	L	L	L	L	L	L	L	L254
	Green	L	L	L	L	L	L	L	L	H	H	H	H	H	H	H	H	L	L	L	L	L	L	L	L	Green L255
Gray scale of Blue	Black	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L0
	Dark	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	H	L1
	↑	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	H	L	L2
	↑	:								:								:								L3···L251
	↓	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	H	H	H	H	H	H	L	L	L252
	Light	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	H	H	H	H	H	H	L	H	L253
		L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	H	H	H	H	H	H	H	L	L254
	Blue	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	H	H	H	H	H	H	H	H	Blue L255
Gray scale of White & Black	Black	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L0
	Dark	L	L	L	L	L	L	L	H	L	L	L	L	L	L	L	H	L	L	L	L	L	L	L	H	L1
	↑	L	L	L	L	L	L	H	L	L	L	L	L	L	L	H	L	L	L	L	L	L	L	H	L	L2
	↑	:								:								:								L3···L251
	↓	H	H	H	H	H	H	L	L	H	H	H	H	H	H	L	L	H	H	H	H	H	H	L	L	L252
	Light	H	H	H	H	H	H	L	H	H	H	H	H	H	H	L	H	H	H	H	H	H	H	L	H	L253
		H	H	H	H	H	H	H	L	H	H	H	H	H	H	H	L	H	H	H	H	H	H	H	L	L254
	White	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	White L255

Distributed by www.texim-europe.com

6. Optical Characteristics

Item		Symbol	Condition	Min.	Typ.	Max.	Unit	Note
Contrast		CR	Θ=0 Normal viewing angle	600	900	–		(1)(2)
Response time	Rising	TR+TF		–	30	40	msec	(1)(3)
	Falling							
White luminance (Center)		Y_L		500	600	–	cd/m^2	(1)(4) (I_L=480mA)
Color chromaticity (CIE1931)	White	W_x		Typ. -0.05	0.296	Typ. +0.05		(1)(4)
		W_y			0.323			
	Red	R_x			T.B.D			
		R_y			T.B.D			
	Green	G_x			T.B.D			
		G_y			T.B.D			
	Blue	B_x			T.B.D			
		B_y			T.B.D			
Viewing angle	Hor.	$Θ_L$	CR>10	80	85	–		
		$Θ_R$		80	85	–		
	Ver.	$Θ_U$		80	85	–		
		$Θ_D$		80	85	–		
Brightness uniformity		B_{UNI}	Θ=0	70	80	–	%	(5)
Optima View Direction		Free						(6)

Measuring Condition

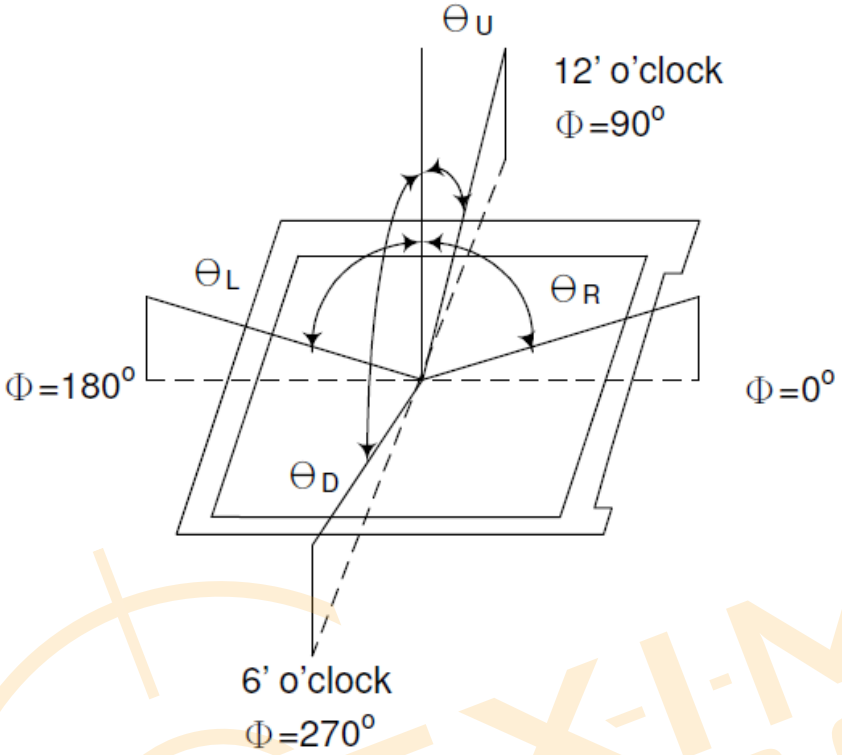
- Measuring surrounding : dark room
- LED current I_L : 480mA
- Ambient temperature : 25±2°C
- 15min. warm-up time.

Distributed by www.texim-europe.com

Measuring Equipment

- FPM520 of Westar Display technologies, INC., which utilized SR-3 for Chromaticity and BM-5A for other optical characteristics.
- Measuring spot size : 20 ~ 21 mm

Note (1) Definition of Viewing Angle:

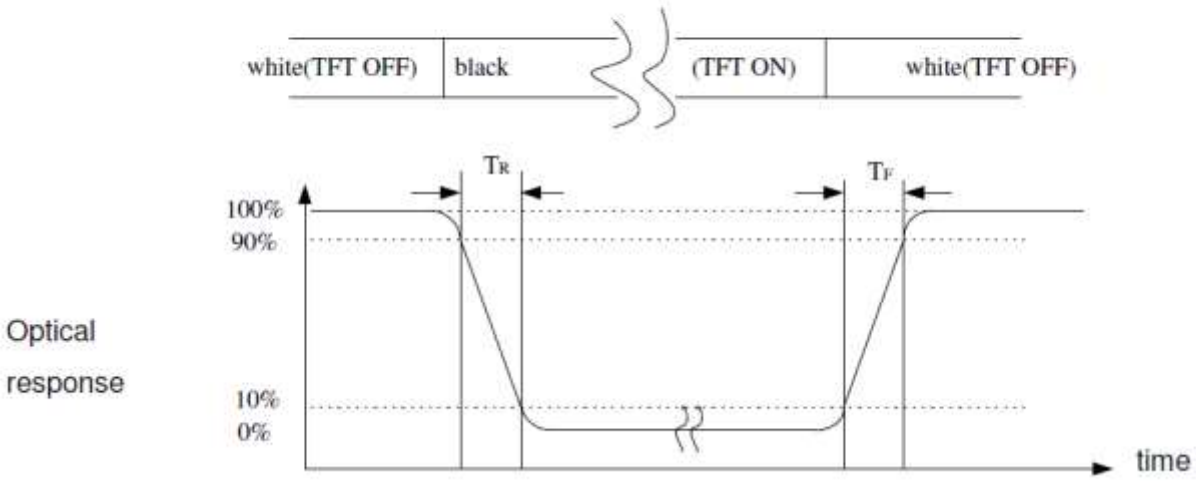


Note (2) Definition of Contrast Ratio (CR) :
measured at the center point of panel

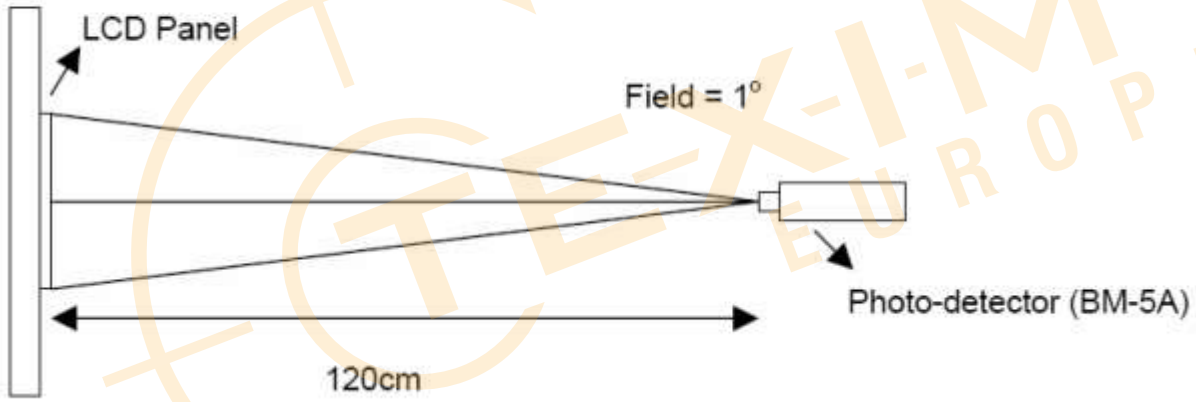
$$CR = \frac{\text{Luminance with all pixels white}}{\text{Luminance with all pixels black}}$$

Distributed by www.texim-europe.com

Note (3) Definition of Response Time : Sum of T_R and T_F

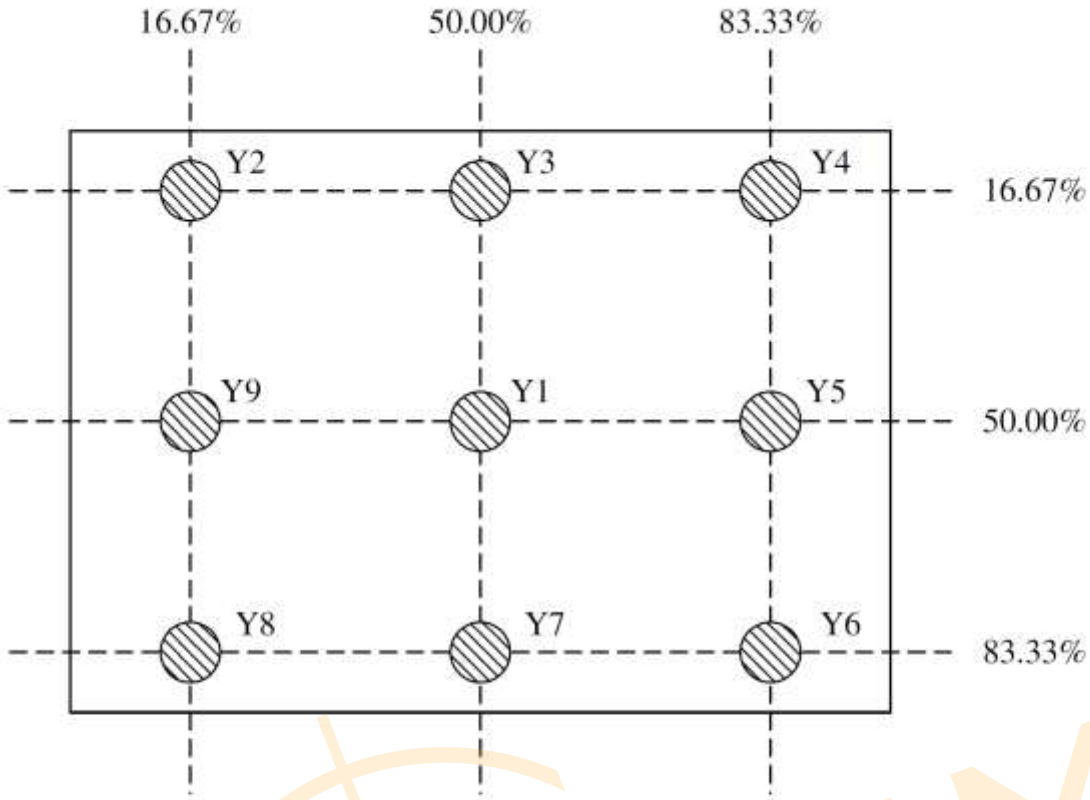


Note (4) Definition of optical measurement setup



Distributed by www.texim-europe.com

Note (5) Definition of brightness uniformity



$$\text{Luminance uniformity} = \frac{\text{(Min Luminance of 9 points)}}{\text{(Max Luminance of 9 points)}} \times 100\%$$

Note (6) : Rubbing Direction (The different Rubbing Direction will cause the different optima view direction.

Distributed by www.texim-europe.com

7. RELIABILITY TEST CRITERIA

Test Item	Test Conditions	Note
High Temperature Operation	70±3°C , t=240 hrs	
Low Temperature Operation	-20±3°C , t=240 hrs	
High Temperature Storage	80±3°C , t=240 hrs	1,2
Low Temperature Storage	-30±3°C , t=240 hrs	1,2
Storage at High Temperature and Humidity	60°C, 90% RH , 240 hrs	1,2
Thermal Shock Test	-20°C (30min) ~ 70°C (30min) 100 cycles	1,2
Vibration Test (Packing)	Sweep frequency : 10 ~ 55 ~ 10 Hz/1min Amplitude : 0.75mm Test direction : X.Y.Z/3 axis Duration : 30min/each axis	2

Note 1: Condensation of water is not permitted on the module.

Note 2: The module should be inspected after 1 hour storage in normal conditions (15-35°C, 45-65%RH).

Note 3 : The module shouldn't be tested more than one condition, and all the test conditions are independent.

Note 4 : All the reliability tests should be done without protective film on the module.

Definitions of life end point:

- Current drain should be smaller than the specific value.
- Function of the module should be maintained.
- Appearance and display quality should not have degraded noticeably.
- Contrast ratio should be greater than 50% of the initial value.

Distributed by www.texim-europe.com

8. USE PRECAUTIONS

8.1 Handling precautions

1) The polarizing plate may break easily so be careful when handling it. Do not touch, press or rub it with a hard-material tool like tweezers.
2) Do not touch the polarizing plate surface with bare hands so as not to make it dirty. If the surface or other related part of the polarizing plate is dirty, soak a soft cotton cloth or chamois leather in benzine and wipe off with it. Do not use chemical liquids such as acetone, toluene and isopropyl alcohol. Failure to do so may bring chemical reaction phenomena and deteriorations.
3) Remove any spit or water immediately. If it is left for hours, the suffered part may deform or decolorize.
4) If the LCD element breaks and any LC stuff leaks, do not suck or lick it. Also if LC stuff is stuck on your skin or clothing, wash thoroughly with soap and water immediately.

8.2 Installing precautions

1) The PCB has many ICs that may be damaged easily by static electricity. To prevent breaking by static electricity from the human body and clothing, earth the human body properly using the high resistance and discharge static electricity during the operation. In this case, however, the resistance value should be approx. 1MΩ and the resistance should be placed near the human body rather than the ground surface. When the indoor space is dry, static electricity may occur easily so be careful. We recommend the indoor space should be kept with humidity of 60% or more. When a soldering iron or other similar tool is used for assembly, be sure to earth it.
2) When installing the module and ICs, do not bend or twist them. Failure to do so may crack LC element and cause circuit failure.
3) To protect LC element, especially polarizing plate, use a transparent protective plate (e.g., acrylic plate, glass etc) for the product case.
4) Do not use an adhesive like a both-side adhesive tape to make LCD surface (polarizing plate) and product case stick together. Failure to do so may cause the polarizing plate to peel off.

Distributed by www.texim-europe.com

8.3 Storage precautions

1) Avoid a high temperature and humidity area. Keep the temperature between 0°C and 35°C and also the humidity under 60%.
2) Choose the dark spaces where the product is not exposed to direct sunlight or fluorescent light.
3) Store the products as they are put in the boxes provided from us or in the same conditions as we recommend.

8.4 Operating precautions

1) Do not boost the applied drive voltage abnormally. Failure to do so may break ICs. When applying power voltage, check the electrical features beforehand and be careful. Always turn off the power to the LC module controller before removing or inserting the LC module input connector. If the input connector is removed or inserted while the power is turned on, the LC module internal circuit may break.
2) The display response may be late if the operating temperature is under the normal standard, and the display may be out of order if it is above the normal standard. But this is not a failure; this will be restored if it is within the normal standard.
3) The LCD contrast varies depending on the visual angle, ambient temperature, power voltage etc. Obtain the optimum contrast by adjusting the LC dive voltage.
4) When carrying out the test, do not take the module out of the low-temperature space suddenly. Failure to do so will cause the module condensing, leading to malfunctions.
5) Make certain that each signal noise level is within the standard (L level: 0.2Vdd or less and H level: 0.8Vdd or more) even if the module has functioned properly. If it is beyond the standard, the module may often malfunction. In addition, always connect the module when making noise level measurements.
6) The CMOS ICs are incorporated in the module and the pull-up and pull-down function is not adopted for the input so avoid putting the input signal open while the power is ON.
7) The characteristic of the semiconductor element changes when it is exposed to light emissions, therefore ICs on the LCD may malfunction if they receive light emissions. To prevent these malfunctions, design and assemble ICs so that they are shielded from light emissions.
8) Crosstalk occurs because of characteristics of the LCD. In general, crosstalk occurs when the regularized display is maintained. Also, crosstalk is affected by the LC drive voltage. Design the contents of the display, considering crosstalk.

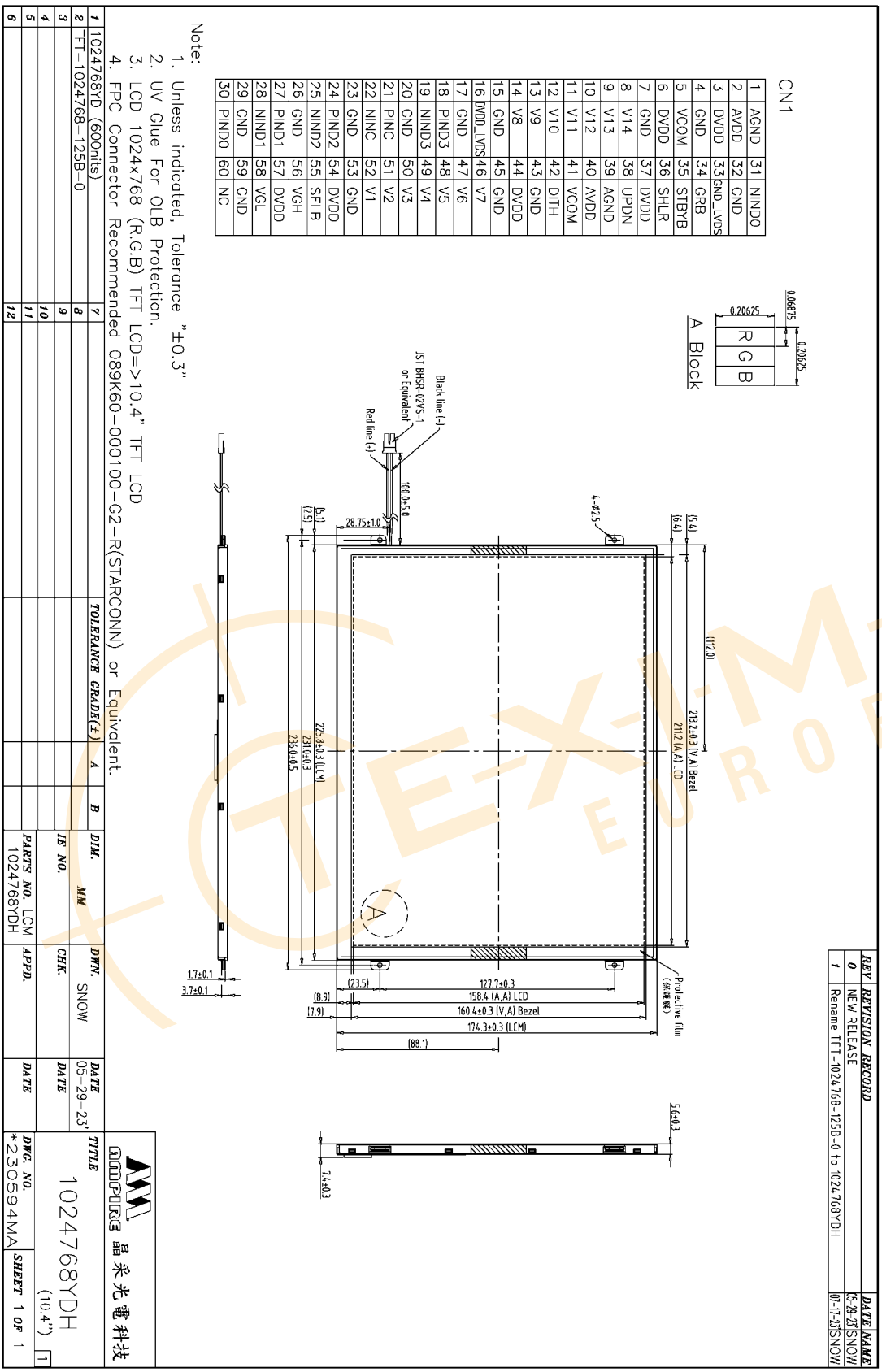
Distributed by www.texim-europe.com

8.5 Other

1) Do not disassemble or take the LC module into pieces. The LC modules once disassembled or taken into pieces are not the guarantee articles.
2) Do not keep the LCD at the same display pattern continually. The residual image will happen and it will damage the LCD. Please use screen saver.
3) AMIPRE will provide one year warranty for all products and three months warrantee for all repairing products.

Distributed by www.texim-europe.com

9. OUTLINEDIMENSION



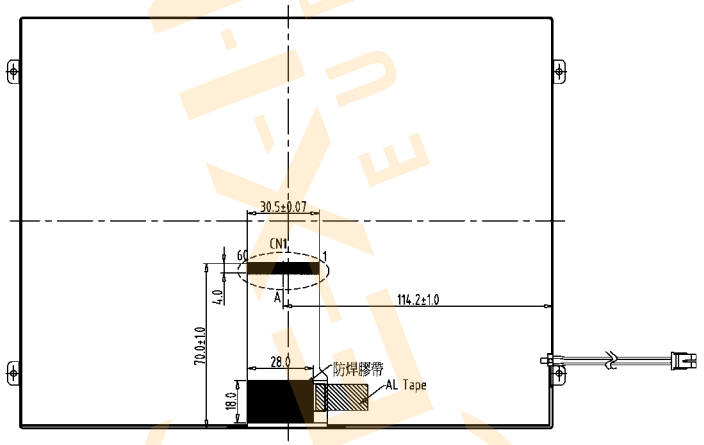
1	AGND	31	NINDO
2	AVDD	32	GND
3	DVDD	33	GND_LVDS
4	GND	34	GRB
5	VCOM	35	STBYB
6	DVDD	36	SHLR
7	GND	37	DVDD
8	V14	38	UPDN
9	V13	39	AGND
10	V12	40	AVDD
11	V11	41	VCOM
12	V10	42	DITH
13	V9	43	GND
14	V8	44	DVDD
15	GND	45	GND
16	DVDD_LVDS	46	V7
17	GND	47	V6
18	PIND3	48	V5
19	NIND3	49	V4
20	GND	50	V3
21	PINC	51	V2
22	NINC	52	V1
23	GND	53	GND
24	PIND2	54	DVDD
25	NIND2	55	SELB
26	GND	56	VGH
27	PIND1	57	DVDD
28	NIND1	58	VGL
29	GND	59	GND
30	PIND0	60	NC

Distributed by www.texim-europe.com

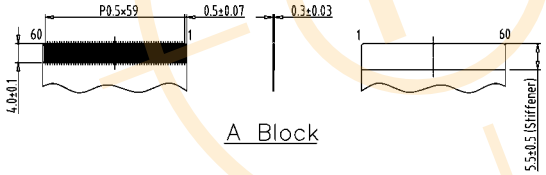
REV	REVISION RECORD	DATE	NAME
0	NEW RELEASE	05-29-23'	SNOW
1	Rename TFT-1024768-125B-0 to 1024768YDH	07-17-23'	SNOW

CN1

1	AGND	31	NINDO
2	AVDD	32	GND
3	DVDD	33	GND_LVDS
4	GND	34	GRB
5	VCOM	35	STBYB
6	DVDD	36	SHLR
7	GND	37	DVDD
8	V14	38	UPDN
9	V13	39	AGND
10	V12	40	AVDD
11	V11	41	VCOM
12	V10	42	DITH
13	V9	43	GND
14	V8	44	DVDD
15	GND	45	GND
16	DVDD_LVDS	46	V7
17	GND	47	V6
18	PINC	48	V5
19	NINC	49	V4
20	GND	50	V3
21	PIND	51	V2
22	NIND	52	V1
23	GND	53	GND
24	PIND2	54	DVDD
25	NIND2	55	SELB
26	GND	56	VGH
27	PIND1	57	DVDD
28	NIND1	58	VGL
29	GND	59	GND
30	PINDO	60	NC



Back View



A Block

Note:
1. Unless indicated, Tolerance "±0.3"
2. UV Glue For OLB Protection.
3. LCD 1024x768 (R.G.B) TFT LCD=>10.4" TFT LCD
4. FPC Connector Recommended 089K60-000100-G2-R(STARCONN) or Equivalent.

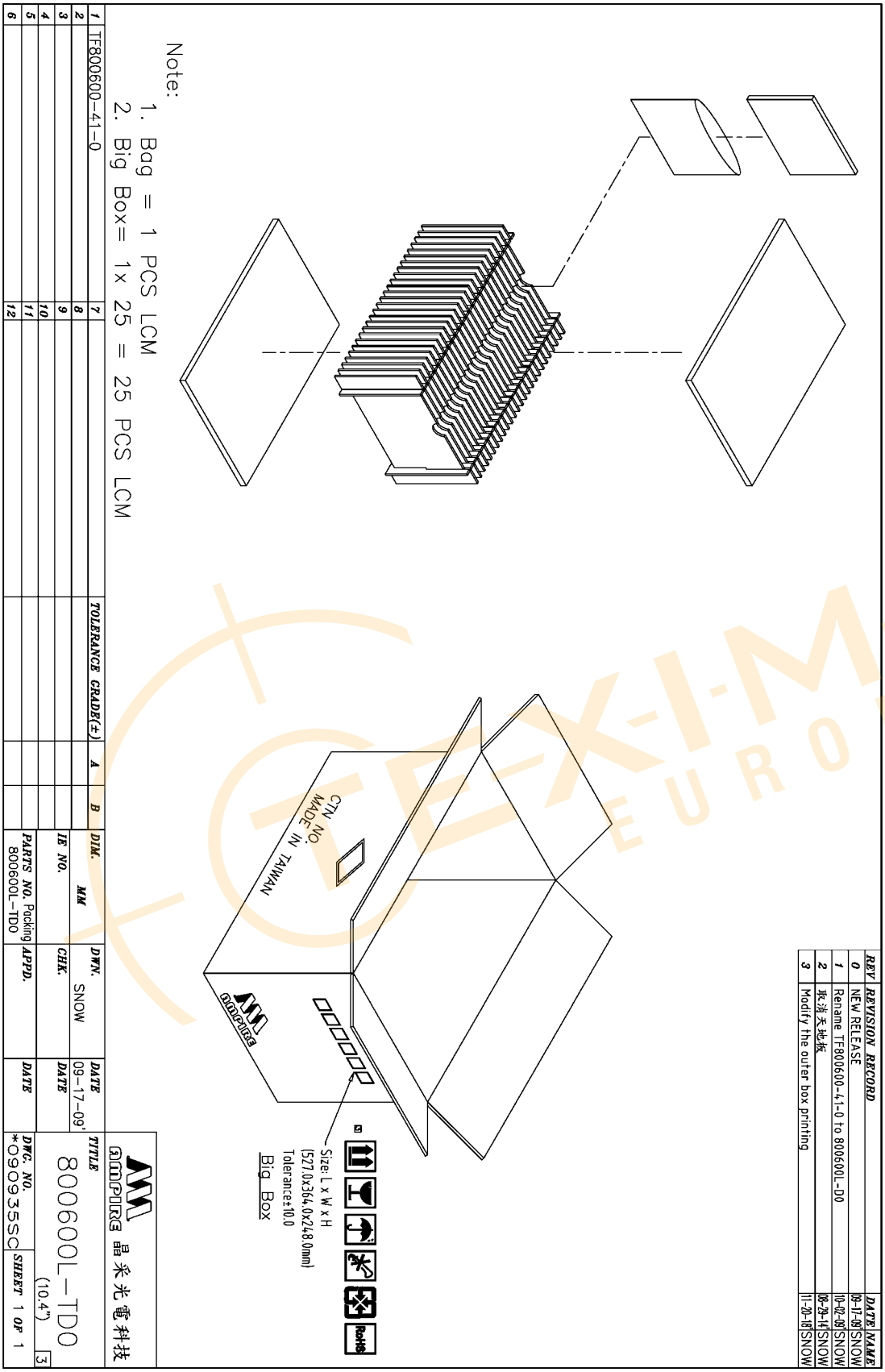
1	1024768YD (600nits)	7		TOLERANCE GRADE(±)	A	B	DIM. MM	DWN. SNOW	DATE 05-29-23'	TITLE 1024768YDH (10.4") 1	
2	TFT-1024768-125B-0	8									
3		9					IE NO.	CHK.	DATE		
4		10									
5		11					PARTS NO. LCM-1 1024768YDH	APPD.	DATE	DWG. NO. *230595MA	SHEET 1 OF 1
6		12									

AMPIRE 晶采光電科技

Date: 2023/10/20 AMPIRE CO., LTD. 24

Distributed by www.texim-europe.com

10. Packaging



Disclaimer

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Texim Europe B.V. its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, “Texim”), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Texim makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product.

It is the customer’s responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

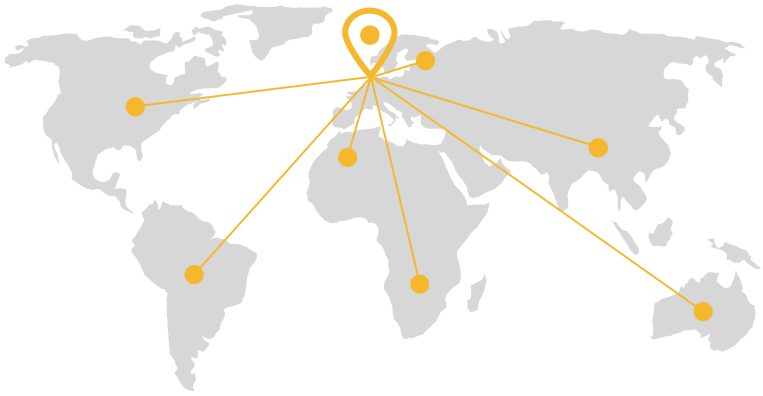
All operating parameters, including typical parameters, must be validated for each customer application by the customer’s technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.

Distributed by www.texim-europe.com

Texim Europe - contact details



Headquarters & Warehouse

Elektrostraat 17
NL-7483 PG Haaksbergen
The Netherlands

T: +31 (0)53 573 33 33
E: info@texim-europe.com
Homepage: www.texim-europe.com

The Netherlands

Elektrostraat 17
NL-7483 PG Haaksbergen

T: +31 (0)53 573 33 33
E: nl@texim-europe.com

Belgium

Zuiderlaan 14, box 10
B-1731 Zellik

T: +32 (0)2 462 01 00
E: belgium@texim-europe.com

UK & Ireland

St Mary's House, Church Lane
Carlton Le Moorland
Lincoln LN5 9HS

T: +44 (0)1522 789 555
E: uk@texim-europe.com

Germany

Bahnhofstrasse 92
D-25451 Quickborn

T: +49 (0)4106 627 07-0
E: germany@texim-europe.com

Germany

Martin-Kollar-Strasse 9
D-81829 München

T: +49 (0)89 436 086-0
E: muenchen@texim-europe.com

Austria

Warwitzstrasse 9
A-5020 Salzburg

T: +43 (0)662 216 026
E: austria@texim-europe.com

Nordic

Stockholmsgade 45
2100 Copenhagen

T: +45 88 20 26 30
E: nordic@texim-europe.com

Italy

Martin-Kollar-Strasse 9
D-81829 München

T: +49 (0)89 436 086-0
E: italy@texim-europe.com