

# DATA IMAGE CORPORATION

## TFT Module Specification Preliminary ITEM NO.: <u>FG0700G3DSSWAGT1</u>

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Customer Companies	R&D Dept.	Q.C. Dept.	Eng. Dept.	Prod. Dept.
	JACK	JOE	GARY	KEN
Approved by	Version:	Issued Date:	Sheet Code:	Total Pages:
	9	29/NOV/11'		21



2. RECORD OF REVISION

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Rev	Date	Item	Page	Comment
1	23/APR/08			Initial Preliminary
2	15/MAY/08	10	14	Modify Block Diagram.
3	27/MAY/08	4,6,12,16	3,16,19	<ol> <li>Modify Dot Pitch from 0.1905 (H) x 0.1905 (V) to 0.0635 (H) x 0.1905 (V).</li> <li>Modify High Temperature and High Humidity from 60 to 40</li> <li>Modify Thermal Cycling Test from -10 +25 +60 to -20 +25 +70.</li> <li>Update drawing rev:1 to rev:2.</li> </ol>
4	17/JUN/08	4,5,6,8, 12,16	3,4,9,16 19	<ol> <li>Modify Outline Dimension from 165(W)x106.4(H)x4.45(D) to 165(W)x106.4(H)x4.96(D)</li> <li>Modify Storage temperature MIN from -20 to -30</li> <li>Add Power Supply Current Typ and Max value.</li> <li>Modify "LED life time" to "LED dice life time" value and note.</li> <li>Modify Response time value, Rise 15(Typ)30(Max), Fall 20(Typ)40(Max) to Rise 5(Typ)10(Max) Fall 15(Typ)20 (Max).</li> <li>Modify Temperature cycle test value, from -20 →+25 → +70 , 100 Cycles to -30 →+25 →+70 , 100 Cycles 7.Change OUTLINE DRAWING from rev:2 to rev:3</li> </ol>
5	10/NOV/08	16	19	1. Change OUTLINE DRAWING from rev:3 to rev:4.
6	16/Feb/09	7,17	5,20	Modify THS from STHD[7:0]+88 to 216 Modify TVS from STVD[6:0]+8 to 35 Add Package information
7	15/SEP/09'	9,16	12,19	1.Add Note: The LCM support both DE mode and Sync mode timing. When DE is pulled low, which is sync mode. When DE is an active data and pulled low for blanking data, which is DE mode. 2. Change OUTLINE DRAWING from Rev: 4 to Rev: 5
8	08/SEP/11'	7.1 13	5 17	1.Add DCLK: Min=24.5MHz;Max=42.5MHz 2.Modify LCM PRODUCT LABEL DEFINE
9	29/NOV/11'	4 11 15	3 15 20	1.Modify Outline Dimension of General Specifications; 2.Modify TOUCH PANEL CHARACTERISTICS; 3.Modify OUTLINE DRAWING from Rev: 5 to Rev: 6.



### **3. APPLICATION**

DVD player, Car TV, UMPC, POS

### **4. GENERAL SPECIFICATIONS**

Parameter	Specifications	Unit
Screen Size	7 (diagonal)	inch
Display Format	800(H) x (R,G,B) x 480(V)	dot
Active Area	152.4(H) x 91.44(V)	mm
Dot Pitch	0.0635 (H) x 0.1905 (V)	mm
Pixel Configuration	Stripe	
Outline Dimension	165(W) x 106.4(H) x 4.9 (D)	mm
Surface treatment	Anti-glare and hard coating (3H)	
Back-light	LED	
Display mode	Normally white	
Weight	182	g
View Angle direction	6 o'clock	

### 5. ABSOLUTE MAXIMUM RATINGS

						GND=0V
Pa	rameter	Symbol	MIN.	MAX.	Unit	Remark
Power s	upply voltage	VCC	-0.3	7	V	Ta=25°C
Logic i	nput voltage	VI	-0.3	V <sub>CC</sub> +0.3	V	Ta=25°C
Operatin	g temperature	Тор	-10	60	°C	Module surface*
Storage	temperature	Tst	-30	70	°C	-
Humidity	Operation		Ta<=38°C			
Humaity	Non Operation		5%~90% rela	ative humidity		Ta<=38°C

### 6. ELECTRICAL CHARACTERISTICS 6.1 Operating Conditions

#### GND=0V, fH=31.49KHz, fV=60Hz, fCLK=33.26MHz,Ta=25°C

		ļ		1	,	,
Parameter	Symbol	MIN.	Тур.	MAX.	Unit	Remark
Power Supply voltage	V <sub>CC</sub>	3.0	3.3	3.6	V	
Power Supply Current	Icc		150	200	mA	V <sub>CC</sub> =3.3V
Ripple voltage	V <sub>RF</sub>	-	-	100	mV <sub>P-P</sub>	
"H" level logical input voltage	V <sub>IH</sub>	0.7Vcc		Vcc	V	
"L" level logical input voltage	V <sub>IL</sub>	0		0.3Vcc	V	



						Ta= 25 °C
Parameter	Symbol	Min.	Тур.	Max.	Unit	Remark
VLED voltage	VL	8.4	9.9	10.8	V	Note1
LED current	ΙL	-	180	-	mA	
LED dice life time			30000		hr	Note2

180mA A 20mA

Note1: There are 9 Groups (1 Group of three LEDs).

VLED 1,2,3,4,5,6,7,8,9,=8.4V(min)

Note2: The "LED dice life time" is defined as the brightness decrease to 50% original brightness that the ambient temperature is 18 ~28 and LED dice current=20mA.



### 7. INPUT SIGNAL CHARACTERISTICS

### 7.1 AC Characteristics

#### 7.1.1 AC Electrical Characteristics

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
HS setup time	Thst	6	-	-	ns
HS hold time	Thhd	6	-	-	ns
VS setup time	Tvst	6	-	-	ns
VS hold time	Tvhd	6	-	-	ns
Data setup time	Tdsu	6	-	-	ns
Data hold time	Tdhd	6	-	-	ns
DE setup time	Tesu	6	-	-	ns

#### 7.1.2 Resolution : 800x480

<ul> <li>sync mode</li> </ul>					
ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
CLK frequency	Fсрн	24.5	33.26	42.5	MHz
CLK period	Тсрн	-	30.06	-	ns
CLK pulse duty	Тсwн	40	50	60	%
HS period	Тн	-	1056	-	Тсрн
HS pulse width	Тwн	1	128	-	Тсрн
HS-first horizontal data time	Tнs	-	216	-	Тсрн
HS Active Time	Тна	-	800	-	Тсрн
VS period	Τv	-	525	-	Тн
VS pulse width	Twv	1	2	-	Тн
VS-DE time	Tvs	-	35	-	Тн
VS Active Time	Tva	-	480	-	Тн

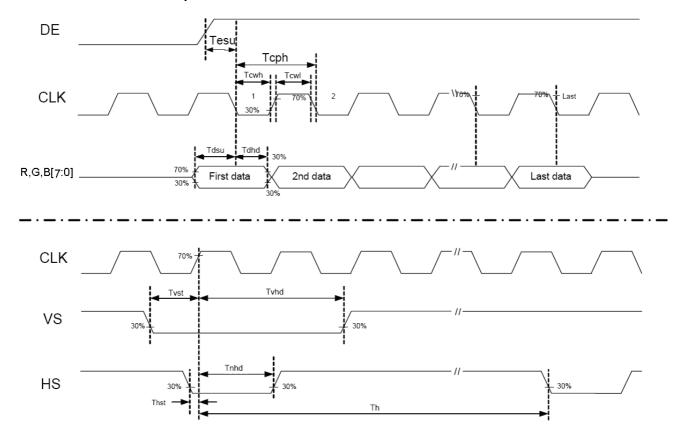
#### • DE mode

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
CLK frequency	Fсрн	24.5	33.26	42.5	MHz
CLK period	Тсрн	-	30.06	-	ns
CLK pulse duty	Тсwн	40	50	60	%
DE period	TDEH+TDEL	1000	1056	1200	Тсрн
DE pulse width	Тон	-	800	-	Тсрн
DE frame blanking	Tнs	10	45	110	TDEH+TDEL
DE frame width	Тер	-	480	-	Tdeh+Tdel

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
OEV pulse width	TOEV	-	150	-	Тсрн
CKV pulse width	Тски	-	133	-	Тсрн
DE(internal)-STV time	<b>T</b> 1	-	4	-	Тсрн
DE(internal)-CKV time	T <sub>2</sub>	-	40	-	Тсрн
DE(internal)-OEV time	T₃	-	23	-	Тсрн
DE(internal)-POL time	T <sub>4</sub>	-	157	-	Тсрн
STV pulse width	-	-	1	-	Тн









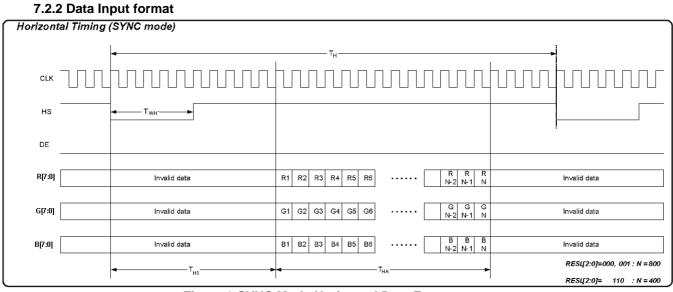


Figure 2 SYNC Mode Horizontal Data Format



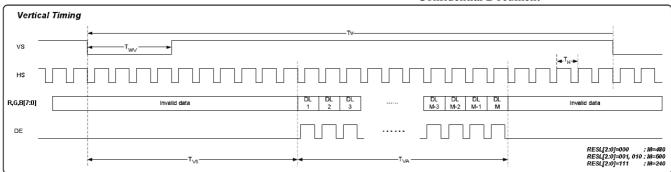
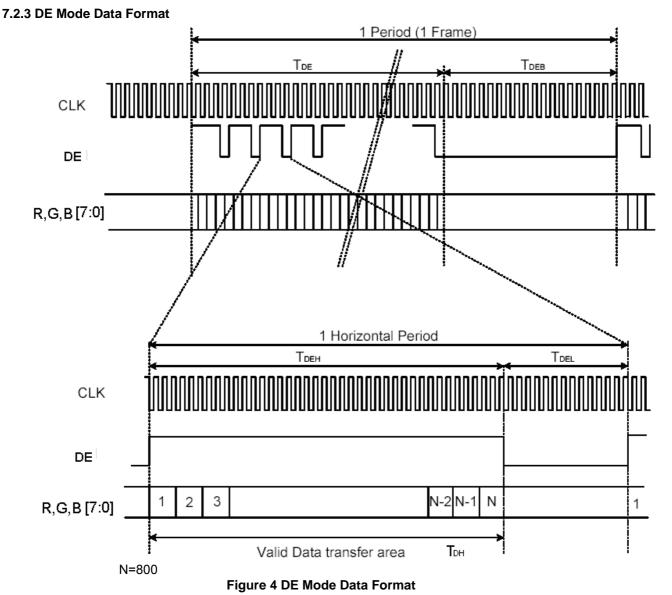


Figure 3 SYNC Mode Vertical Data Format





												DA	TA S	SIGN	JAL											GRAY
COLOR	DISPLAY				R	ED							GR	EEN							BL	UE	_			SCALE
		R0	R1	R2	R3	R4	R5	R6	R7	G0	G1	G2	G3	G4	G5	G6	G7	В0	B1	B2	В3	В4	B5	B6	В7	LEVEL
	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	-
	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	-
	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	-
BASIC	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	-
COLOR	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	-
	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	-
	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	R0
		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	R1
GRAY	DARK	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	R2
SCALE	.E	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	
OF		:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	R3~R252
RED	LIGHT	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	R253
		0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	R254
	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	R255
	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	G0
		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	G1
GRAY	DARK	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	G2
SCALE	Î	:			:	:	:	:	:	:			:	:	:	:	:	:			:	:	:	:	:	00.005
OF		:			:	:	:	:	:	:			:	:	:	:	:	:			:	:	:	:	:	G3~G252
GREEN	LIGHT	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	G253
	2.0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	G254
	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	G255
	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	B0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	B1
GRAY	DARK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	B2
SCALE	î	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	D2 D2C2
OF	1	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	B3~B252
BLUE	LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	B253
	2.011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	B254
	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	B255

Note) Definition of Gray :

Rn : Red Gray, Gn : Green Gray, Bn : Blue Gray (n = Gray level) Input Signal : 0 = Low level voltage, 1 = High level voltage

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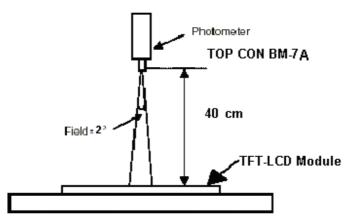


### **8. OPTICAL CHARACTERISTIC**

Parameter		Symbol	Condition	MIN.	TYP.	MAX.	Unit	Remarks
	Horizontal	$\theta_x$ +		60	70		deg	Note 1,4
Viewing		θ <sub>x</sub> -	Center	60	70			
Angle	Vertical	$\theta_{Y}$ +	CR≥10	40	50			
		θ <sub>Y</sub> -		50	60			
Contrast Ratio	_	CR	at optimized viewing angle	300	400			Note 1,3
Response time	Rise	Tr	Center	-	5	10	ms	Note 1,6
Response unie	Fall	Tf	θx=θy =0°	-	15	20	ms	
Uniformity		B-uni	θx=θy =0°	70	80		%	Note1,5
Brightness		L	θx=θy =0°	220	280		cd/m²	Note 1,2
		X <sub>W</sub>		0.252	0.302	0.352		Note 1,7
		yw		0.289	0.339	0.389		
				0.525	0.575	0.625		
Chromaticity		УR	Center	0.310	0.360	0.410		
		X <sub>G</sub>	θx=θy =0°	0.281	0.331	0.381		
		У <sub>G</sub>		0.521	0.571	0.621		
		Х <sub>В</sub>		0.099	0.149	0.199		
		Ув		0.088	0.138	0.188		
Image sticking		tis	2 hours			2	Sec	Note 8

The following optical specifications shall be measured in a darkroom or equivalent state(ambient luminance  $\leq 1$  lux, and at room temperature). The operation temperature is  $25^{\circ}C\pm 2^{\circ}C$  and LED Backlight Current IL=180mA. The measurement method is shown in Note1.

Note 1: The method of optical measurement:

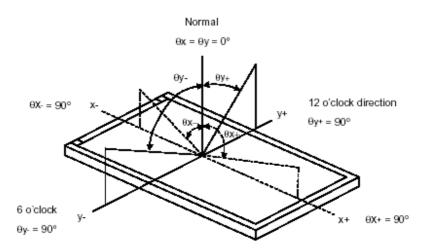




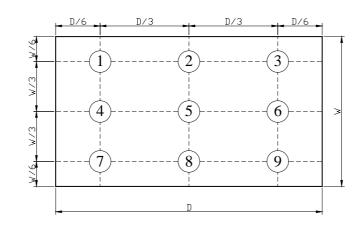
Note 2: Measured at the center area of the panel and at the viewing angle of the  $\theta x = \theta y = 0^{\circ}$ Note 3: Definition of Contrast Ratio (CR): Luminance with all pixels in white state

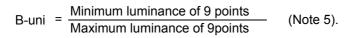
 $CR = \frac{Luminance with all pixels in White state}{Luminance with all pixels in Black state}$ 

Note 4: Definition of Viewing Angle



Note 5: Definition of Brightness Uniformity (B-uni):



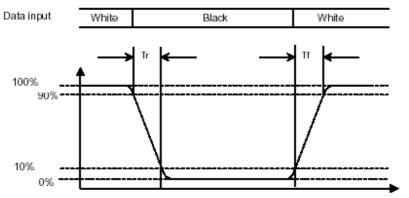


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Note 6: Definition of Response Time:

The Response Time is set initially by defining the "Rising Time (Tr)" and the "Falling Time (Tf)" respectively. Tr and Tf are defined as following figure.

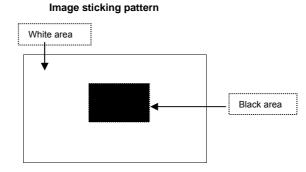


Note 7: Definition of Chromaticity:

The color coordinates  $(x_{R}, y_{R}), (x_{R}, y_{R}), (x_{G}, y_{G}), and (x_{B}, y_{B})$  are obtained with all pixels in the viewing field at white, red, green, and blue states, respectively.

#### Note 8: Definition of Image sticking (tis):

Continuously display the test pattern shown in the figure below for 2 hours. Then display a completely white screen. The previous image shall not persist more than 2 sec at 25 °C



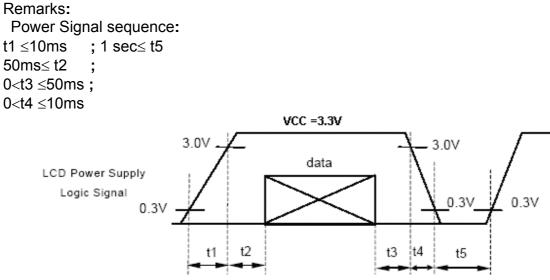


Pin NO.	SYMBOL	DESCRIPTION
1	GND	Power Ground
2	GND	Power Ground
3	VCC	Power Supply for Digital Circuit
4	VCC	Power Supply for Digital Circuit
5	R0	Red Data 0 (LSB)
6	R1	Red Data 1
7	R2	Red Data 2
8	R3	Red Data 3
9	R4	Red Data 4
10	R5	Red Data 5
11	R6	Red Data 6
12	R7	Red Data 7 (MSB)
13	G0	Green Data 0 (LSB)
14	G1	Green Data 1
15	G2	Green Data 2
16	G3	Green Data 3
17	G4	Green Data 4
18	G5	Green Data 5
19	G6	Green Data 6
20	G7	Green Data 7 (MSB)
21	B0	Blue Data 0 (LSB)
22	B1	Blue Data 1
23	B2	Blue Data 2
24	B3	Blue Data 3
25	B4	Blue Data 4
26	B5	Blue Data 5
27	B6	Blue Data 6
28	B7	Blue Data 7 (MSB)
29	GND	Power Ground
30	CLK	Clock Signals ; Latch Data at the Falling Edge
31	NC	No connection
32	HS	Horizontal synchronous signal
33	VS	Vertical synchronous signal
34	DE	Data Enable Signal
35	NC	No connection
36	NC	No connection
37	GND	Power Ground
38	GND	Power Ground
39	NC	No connection
40	NC	No connection

Note:

The LCM support both DE mode and Sync mode timing. When DE is pulled low, which is sync mode. When DE is an active data and pulled low for blanking data, which is DE mode.

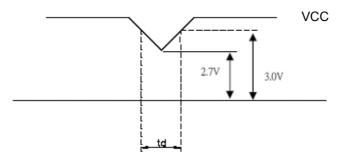




VCC -dip condition:

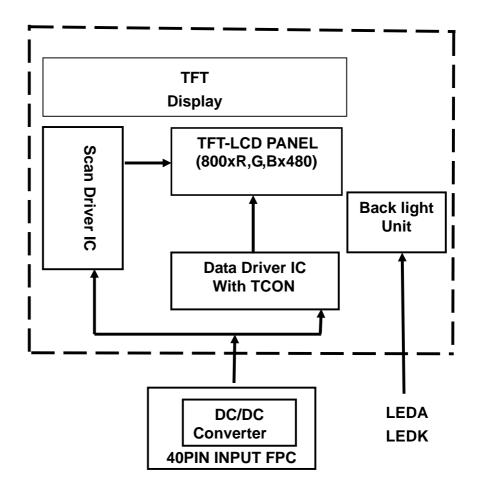
(1) 2.7V  $\leq$  VCC  $\leq$  3.0V: td  $\leq$  10 ms

(2) VCC >3.0V: VCC -dip condition should be the same with VCC,-turn-on condition.



DATA IMAGE 10. BLOCK DIAGRAM

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### **11. TOUCH PANEL CHARACTERISTICS**

#### **1.Input Method and Activation Force**

Input Method	Activation Force		
0.8mm dia. Delrin Polyacetal stylus	60~100gf		
8.0mm dia. Silicon " finger "	60~100gf		

#### **2. Typical Optical Characteristics**

TTEM	Parameter
Visible Light Transmission	≥80%
Haze	<3%
Hardness of surface	3H

#### 3. Electrical Specification

ITEM	Parameter				
Operating Voltage	DC 10V Max				
Circuit close resistance		200~600Ω			
		450~1000Ω			
Circuit open resistance		>20M $\Omega$ min at 25V DC			
Contact bounce	≤10ms				
Linear Test	≤1.5%				

#### 4. Linearity

ITEM		Parameter
Linear Test Specification Direction	Х	≤1.5%
		≤1.5%

#### 5. Specification

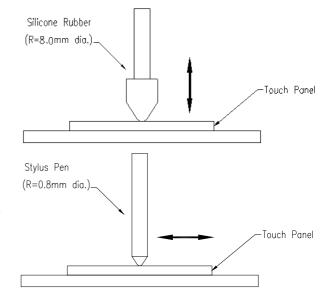
İTEM	Parameter
Operating Temperature	-20°C~+70°C
Storage Temperature	-30°C~+80°C

#### 6.Durability test:

- 6.1 Touch panel is hit 1 millions times with a silicone rubber of R8 finger, hitting rate is by 200g at 2 times per second. The measurement must satisfy the following:
- Circuit close resistance: x 200~600Ω;
  - y 450~1000Ω
- Circuit open resistance: >20M $\Omega$  min at 25V DC
- Contact bounce: ≤10ms
- Linearity test: ≤1.5%

#### 6.2 Stylus writing

- Touch panel is drawn by R0.8 Darling stylus pen, at 250g forces, repeat one inch by 100k times. The measurement must satisfy the following:
- Circuit close resistance: x 200~600Ω;
  - y 450~1000Ω
- Circuit open resistance: >20MΩ min at 25V DC
- Contact bounce: ≤10ms
- Linearity test: ≤1.5%





### 12.1.1 Temperature and Humidity(Ambient Temperature)

Temperature	:	$25\pm5^{\circ}C$
Humidity	:	$65\pm5\%$

12.1.2 Operation

Unless specified otherwise, test will be conducted under function state.

12.1.3 Container

Unless specified otherwise, vibration test will be conducted to the product itself without putting it in a container.

12.1.4 Test Frequency

In case of related to deterioration such as shock test. It will be conducted only once.

### 12.1.5 Test Method

Reliability Test Item & Level		Test Level
No.	Test Item	
1	High Temperature Storage Test	T=70 ,240hrs
2	Low Temperature Storage Test	T=-30 ,240hrs
3	High Temperature Operation Test	T=60 ,240hrs
4	Low Temperature Operation Test	T=-10 ,240hrs
5	High Temperature and High Humidity (No operation)	T=40 ,90%RH,240hrs
6	Thermal Cycling Test	$-30 \rightarrow +25 \rightarrow +70$ , 100 Cycles
	(No operation)	30 min 5 min 30 min
7	Vibration Test (No operation)	Frequency :10 ~ 55 H <sub>Z</sub> Amplitude :1.5 mm Sweep time : 11 mins Test Period: 6 Cycles for each direction of X, Y, Z
8	Shock Test (No operation)	100G, 6ms Direction: ±X, ±Y, ±Z Cycle: 3 times

### 12.2 Judgment standard

The Judgment of the above test should be made as follow:

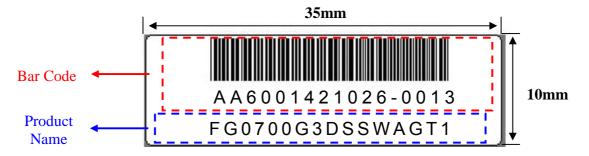
Pass: Normal display image with no obvious non-uniformity and no line defect. Partial transformation of the module parts should be ignored.

Fail: No display image, obvious non-uniformity, or line defect.

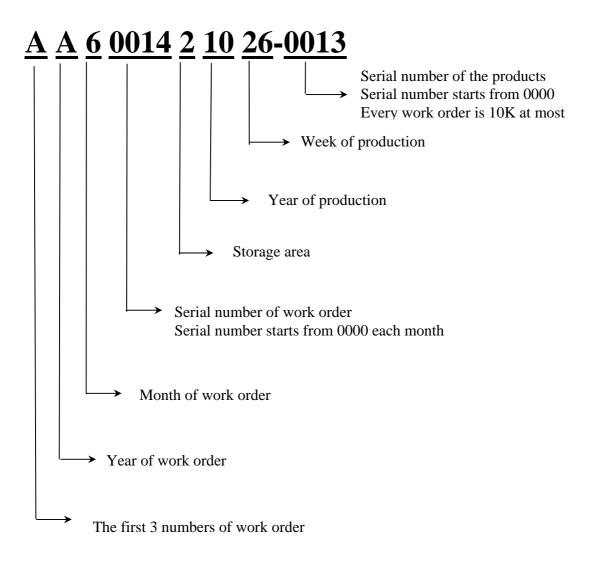


### **13. LCM PRODUCT LABEL DEFINE**

### **Product Label style:**

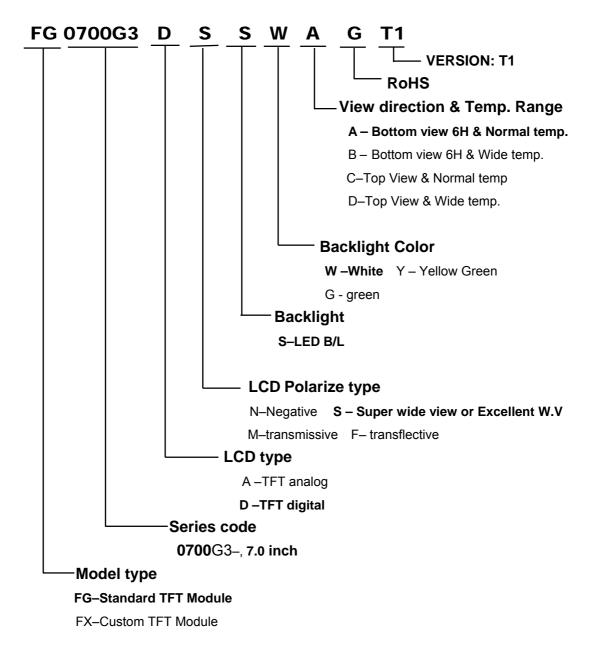


### **BarCode Define:**





**Product Name Define:** 





### **14. PRECAUTIONS IN USE LCM**

#### 1. LIQUID CRYSTAL DISPLAY (LCD)

LCD is made up of glass, organic sealant, organic fluid, and polymer based polarizers. The following precautions should be taken when handing,

(1). Keep the temperature within range of use and storage. Excessive temperature and humidity could cause polarization degradation, polarizer peel off or bubble.

(2). Do not contact the exposed polarizers with anything harder than an HB pencil lead. To clean dust off the display surface, wipe gently with cotton, chamois or other soft material soaked in petroleum benzin.

(3). Wipe off saliva or water drops immediately. Contact with water over a long period of time may cause polarizer deformation or color fading, while an active LCD with water condensation on its surface will cause corrosion of ITO electrodes.

(4). Glass can be easily chipped or cracked from rough handling, especially at corners and edges.(5). Do not drive LCD with DC voltage.

(3). Do not unive LCD with DC voltage

2. Liquid Crystal Display Modules

2.1 Mechanical Considerations

LCM are assembled and adjusted with a high degree of precision. Avoid excessive shocks and do not make any alterations or modifications. The following should be noted. (1). Do not tamper in any way with the tabs on the metal frame.

(2). Do not modify the PCB by drilling extra holes, changing its outline, moving its components or modifying its pattern.(3). Do not touch the elastomer connector, especially insert an

backlight panel (for example, EL).(4). When mounting a LCM make sure that the PCB is not under any stress such as bending or twisting . Elastomer contacts are very delicate and missing pixels could result from slight dislocation of any of the elements.

(5). Avoid pressing on the metal bezel, otherwise the elastomer connector could be deformed and lose contact, resulting in missing pixels.

#### 2.2. Static Electricity

LCM contains CMOS LSI's and the same precaution for such devices should apply, namely

(1). The operator should be grounded whenever he/she comes into contact with the module. Never touch any of the conductive parts such as the LSI pads, the copper leads on the

PCB and the interface terminals with any parts of the human body.

(2). The modules should be kept in antistatic bags or other containers resistant to static for storage.

(3). Only properly grounded soldering irons should be used.(4). If an electric screwdriver is used, it should be well grounded and shielded from commutator sparks.

(5) The normal static prevention measures should be observed for work clothes and working benches; for the latter conductive (rubber) mat is recommended.(6). Since dry air is inductive to statics, a relative humidity of 50-60% is recommended.

2.3 Soldering

(1). Solder only to the I/O terminals.

(2). Use only soldering irons with proper grounding and no leakage.

(3). Soldering temperature :  $280^{\circ}C \pm 10^{\circ}C$ 

(4). Soldering time: 3 to 4 sec.

(5). Use eutectic solder with resin flux fill.

(6). If flux is used, the LCD surface should be covered to avoid flux spatters. Flux residue should be removed after wards.

#### 2.4 Operation

(1). The viewing angle can be adjusted by varying the LCD driving voltage V0.

(2). Driving voltage should be kept within specified range; excess voltage shortens display life.

(3). Response time increases with decrease in temperature.

(4). Display may turn black or dark blue at temperatures above its operational range; this is (however not pressing on the viewing area) may cause the segments to appear "fractured".

(5). Mechanical disturbance during operation (such as pressing on the viewing area) may cause the segments to appear "fractured".

#### 2.5 Storage

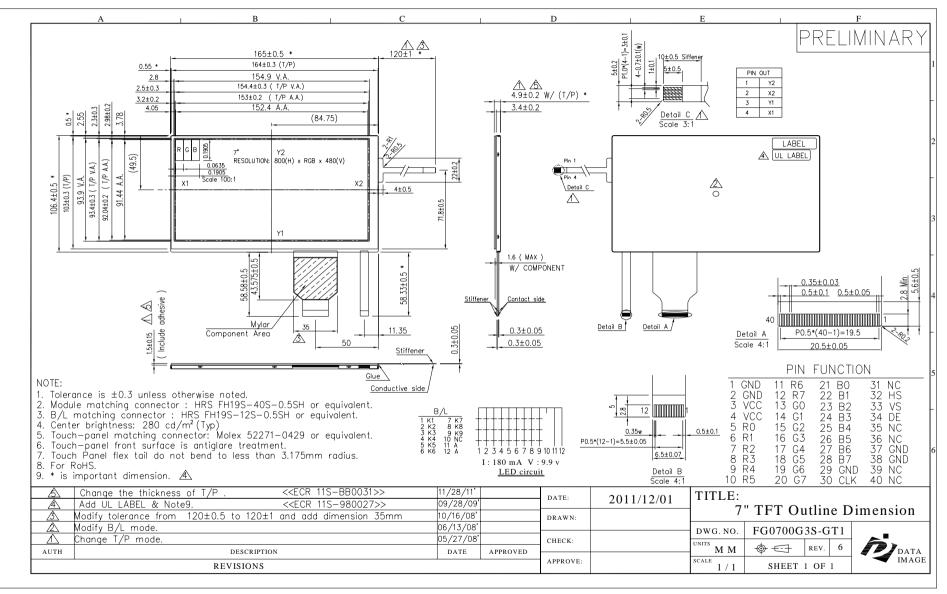
If any fluid leaks out of a damaged glass cell, wash off any human part that comes into contact with soap and water. Never swallow the fluid. The toxicity is extremely low but caution should be exercised at all the time.

#### 2.6 Limited Warranty

Unless otherwise agreed between DATA IMAGE and customer, DATA IMAGE will replace or repair any of its LCD and LCM which is found to be defective electrically and visually when inspected in accordance with DATA IMAGE acceptance standards, for a period on one year from date of shipment. Confirmation of such date shall be based on freight documents. The warranty liability of DATA IMAGE is limited to repair and/or replacement on the terms set forth above. DATA IMAGE will not responsible for any subsequent or consequential events.



Confidential Document **15. OUTLINE DRAWING** 





### **16. PACKAGE INFORMATION**

