

Date: 2011/12/02

Specifications for Approval

Customer	: Mc ' Tronic	
Model name	: GY1206P6SGW6G05	REV: A
Description	: LCM (Y1206P6SGW605 – DI	D682 – B1130A)

LCD Specification: LCD (SDD682 – 84 – 8431 – 111125 – 1)

ISSUE	ENG	QA	APPROVAL
Lily Li	Bose Xie	Wallace	Michael

	Accept
	Reject
	Comment:
Customer	
Approval	
	Approved by:



REVISION RECORD (MODEL NO.: GY1206P6SGW6G05)

Revision	Revision Date	Page	Contents
A	2011/12/02		Initial Release and Issue Full Specification.





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1. FEATURES

The features of LCD are as follows

* Display mode	: STN Blue, Negative, Transmissive
* Color	: Display dot : White
	Background: Blue
* Display Format	: 128Dots × 64Dots graphic
* IC	: Sitronix ST7565R-G
* Interface Input Data	: 8-Bit Parallel 6800 / 4-Line SPI MPU Interface
* Driving Method	: 1/65 Duty, 1/9 Bias
* Viewing Direction	: 6 O'clock
* Backlight	: LED (White)

* LCM technological conditions: RoHS

2. MECHANICAL SPECIFICATIONS

ltem	Specification	Unit
Module Size	67.15(W) X 63.075(H) X 5.3(T)	mm
Viewing Area	61.0(W) X 31.4(H)	mm
Effective Display Area	57.57(W) X 28.77(H)	mm
Number of Dots	128 X 64 Dots	-
Dot Size	0.42(W) X 0.42(H)	mm
Dot Pitch	0.45(W) X 0.45(H)	mm

3. ELECTRICAL SPECIFICATIONS

3-1. Absolute Maximum Ratings (Vss=0V)

	ltem		Symbol			ndard Value		
	nem	Synn	001	Min.	Typ. Max.		Unit	
Supp	ly Voltage For Logic	Vdd		0.3	-	5.0	V	
Supply V	Voltage For LCD Drive	V0,VOUT		0.3	-	18.0	V	
C	Dperating Temp.	Тор		-20	-	+70	°C	
	Storage Temp.	Тѕт		-30	-	+80	°C	
5	Static Electricity	Be sue that you are ground when handing LCM					g LCM	

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3. ELECTRICAL SPECIFICATIONS (Continued)

3-2-1. Electrical Characteristics

Item		Symbol	Test Condition	Min.	Тур.	Max.	Unit
Supply Voltage For Logic		Vdd - Vss	-	1.8	3.3	3.3	V
Supply Voltage	For LCD	V0-Vss	-	8.0	8.3	8.6	V
	"H" Level	V _{IH}		0.8Vdd	-	Vdd	V
Input Voltage	"L" Level	V IL	-	Vss	-	0.2Vdd	V
Output Voltage	"H" Level	V _{OH}	I _{оυт} = -0.5mA	0.8Vdd	-	Vdd	V
Output voltage	"L" Level	V _{OL}	I _{OUT} = 0.5mA	Vss	-	0.2Vdd	V
Current Consu	Imption	I _{DD}	$V_{IN} = V_{DD}$	-	1.50	3.0	mA
AVG. X of 1931 C.	I.E (LCM)	Х	Dots All off	0.13	0.17	0.21	-
AVG. Y of 1931 C.I.E (LCM)		Y		0.10	0.14	0.18	-
Luminous Intensit		L	Dots All on	200	300	-	cd/m ²
		L	Dots All off	40	90	-	cd/m ²

NOTE: 1) Duty ratio=1/65, Bias=1/9 2) Measured in Dots ON-state

3-3.BACKLIGHT

3-3-1. Absolute Maximum Ratings

ltem	Symbol	Condition	Min.	Тур.	Max	Unit
Forward Current	IF	Ta= 25 ℃	-	-	100	mA
Reverse Voltage	VR	1 a- 25 C	-	-	10	V
Power Dissipation	PD	Ta= 25 ℃	-	-	420	mW

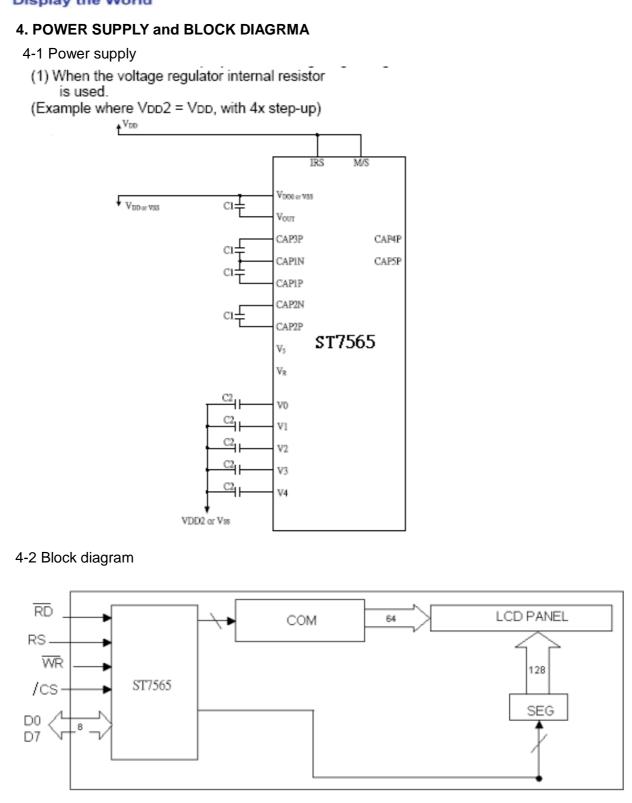
3-3-2. Opto-electronic Characteristics

ltem	Symbol	Condition	Min.	Тур.	Max	Unit
Forward Voltage	VF	IF= 60mA	3.8	4.0	4.2	V
Reverse current	IR	VR=10V	-	-	60	uA
Luminous intensity	LV	IF=60mA	450	600	-	cd/m²
Avg.X of 1931 C.I.E	X	IF=60mA	0.25	0.28	0.31	
Avg.Y of 1931 C.I.E	Y		0.25	0.28	0.31	

* The brightness is measured without LCD panel

MODEL

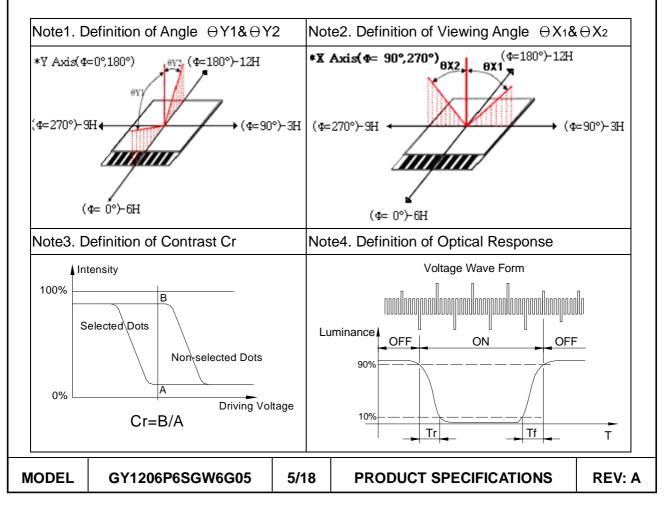






5. ELECTRO – OPTICAL CHARACTERISTICS

ltei	m	Symbol	Temp.	Min.	Тур.	Max.	Unit	Conditions	Note
	Φ=0°	θ1			28				
Viewing	Φ=180°	θ2	25 ℃		25		Deg	-	1.0
Angle Cr <u>></u> 2	Φ=90°	⊖3	230		40		Deg.		1,2
	Φ=270°	θ4			38				
Viev	Viewing Direction		6 O'clock						
	Contrast Ratio		25 ℃	2.0	4.08	4.68	-	$\Theta = 0^{\circ}$ $\Phi = 0^{\circ}$	3
Respo	Response		25 °C	-	288	300	ms	$\Theta = 0^{\circ}$	4
Time(Time(rise)		0 °C	-	1250	1650	1115	$\Phi = 0^{\circ}$	4
Respo	Response		25 ℃	-	223	300	me	$\Theta = 0^{\circ}$	4
Time((fall)	Tf	0 °C	-	1250	1650	ms	$\Phi = 0^{\circ}$	4





6. INTERFACE PIN FUNCTION

Pin NO.	Symbol	1/0	Functions			
1	/CS	I	This is the chip select signal.			
2	/RES	Ι	When RES is set to "L", the setting are initialized.			
3	A0	Ι	This is connect to the least significant bit of the Norman MPU address bus, and it determines whether the data bits are data or a command.			
4	WR(/WR)	Ι	he data bus are latched at the rising edge of the WR signal			
5	RD(/RD)	Ι	he data bus is in output status when this signal is "L"			
6~13	D0~ D7	I/O	his is an 8-bit bi-directional data bus that connects to an 8-bit or 6-bit standard MPU data bus.			
14	V_{DD}	Power supply	Power supply			
15	V_{SS}	Power supply	Ground			
16	V _{OUT}	0	DC/DC voltage converter. Connect a capacitor between this terminal and $v_{ss}\text{or}$ VDD			
17	NC	/	No connect			
18	CAP3+	0	DC/DC voltage converter. Connect a capacitor between this terminal and the CAP1N terminal.			
19	CAP1-	0	DC/DC voltage converter. Connect a capacitor between this terminal and the CAP1P terminal.			
20	CAP1+	0	DC/DC voltage converter. Connect a capacitor between this terminal and the CAP1N terminal.			
21	CAP2+	0	DC/DC voltage converter. Connect a capacitor between this terminal and the CAP2N terminal.			
22	CAP2-	0	DC/DC voltage converter. Connect a capacitor between this terminal and the CAP2P terminal.			
23~27	V4~ V0	Power supply	This is a multi-level power supply for the liquid crystal drive.			
28	P/S	I	This pin configures the interface to parallel mode or serial mode. P/S="H":Parallel data input/output. P/S="L":Serial data input.			
ODEL	GY120	06P6SGV	V6G05 6/18 PRODUCT SPECIFICATIONS REV:			

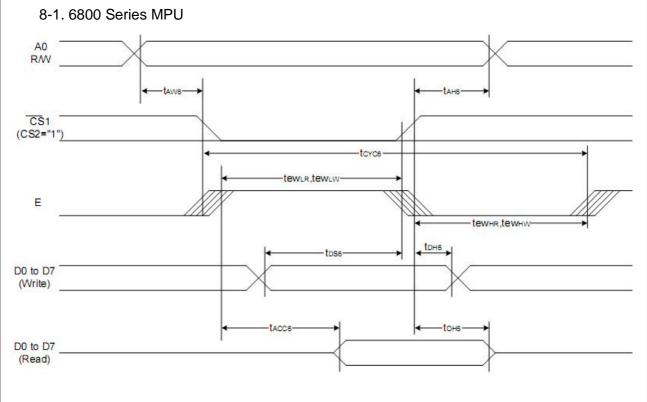


7. COMMAND LIST

Command				Cor	nma	nd C	lode					Function
	A0	/RD	<i>I</i> WR	D7	DB	D6	D4	D3	D2	D1	D0	
1) Display ON/OFF	٥	1	0	1	0	1	D	1	1	1	0 1	LCD display ON/OFF 0: OFF, 1: ON
2) Display start line set	٥	1	0	0	1	DI	spila	ly ista	art ai	didire	55	Sets the display RAM display start line address
3) Page address set	0	1	D	1	0	1	1	Pa	ge a	iddin	ess	Sets the display RAM page address
4) Column address set	0	1	0	D	в	0	1				cant	Sets the most significant 4 bits of
upper bit Column address set lower bit	۵	1	0	0	Ð	٥	0	Les	st si	gnif	iress icant iress	the display RAM column address. Sets the least significant 4 bits of the display RAM column address.
5) Status read	0	0	1		St	atus		B	0	0	0	Reads the status data
6) Olsplay data write	1	1	0			1	Nrib	e dat	з			Writes to the display RAM
7) Olsplay data read	1	0	1				Rea	d dai	ta			Reads from the display RAM
8) ADC select	0	1	D	1	B	1	0	0	0	0	0 1	Sets the display RAM address SEG output correspondence 0: normal, 1: reverse
9) Olsplay normal/ reverse	٥	1	0	1	D	1	٥	0	1	1	0 1	Sets the LCD display normal/ reverse 0: normal, 1: reverse
10) Display all points ON/OFF	٥	1	D	1	D	1	٥	0	1	0	0 1	Display all points 0: normal display 1: all points ON
11) LCD blas set	٥	1	D	1	0	1	0	0	0	1	0 1	Sets the LCD drive voltage blas ratio 0: 1/9 blas, 1: 1/7 blas (ST7565P)
12) Read/modify/write	0	1	D	1	1	1	D	٥	0	D	0	Column address increment At write: +1 At read: 0
13) End	0	1	Ð	1	1	1	0	1	1	1	0	Clear read/modify/write
14) Reset	Ο	1	0	1	1	1	٥	0	0	1	0	Internal reset
15) Common output mode select	Ð	1	Ø	1	1	0	٥	0 1	•	-	•	Select COM output scan direction 0: normal direction 1: reverse direction
16) Power control set	0	1	0	0	B	1	0	1		iera ide	ting	Select Internal power supply operating mode
 17) Vo voltage regulator Internal resistor ratio set 	0	1	D	0	D	1	0	0	Re	esist sist	or	Select Internal resistor ratio(Rb/Ra) mode
18) Electronic volume mode set Electronic volume register set	٥	1	0	1 0	0		_	0 nic v	0 olun	0 ne v	1 alue	Set the Vo output voltage electronic volume register
19) Static Indicator ON/OFF Static Indicator	0	1	D	1	0	1	٥	1	1	0	0 1	0: OFF, 1: ON
register set				0	0	0	Β	0	0	В	Mode	Set the flashing mode
20) Booster ratio set	٥	1	0	1 0	1 0	1 0	1 0			ste	0 p-up slue	select booster ratio 00: 2x,3x,4x 01: 5x 11: 5x
21) Power saver												Display OFF and display all points ON compound command
22) NOP	D	1	D	1	1	1	D	0	0	1	1	Command for non-operation
23) Test	٥	1	0	-	1	1	1					Command for IC test. Do not use this command
ODEL GY1206P	96 S	GW6	G05		7/1	8		PR	OD	UC	T SF	PECIFICATIONS REV:



8.TIMING CHARACTERISTICS



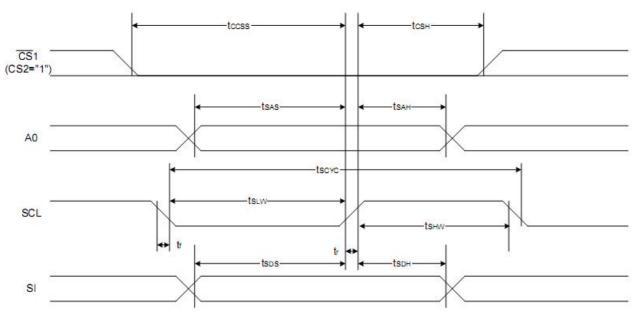
Itom	Signal	Ormhal	Condition	Rating		Unite	
Item	Signal	Symbol	Condition	Min.	Max.	Units	
Address hold time		tah6		0	<u> </u>		
Address setup time	A0	taw6		0	-		
System cycle time		tcyc6		240	_		
Enable L pulse width (WRITE)	WR	tewlw		80	_		
Enable H pulse width (WRITE)	VVIC	tewnw		80	-		
Enable L pulse width (READ)	RD	tewlr		80		ns	
Enable H pulse width (READ)	KD	tewnr		140	5 S.		
WRITE Data setup time		tDS6		40			
WRITE Address hold time	D0 to D7	tdH6		0	-		
READ access time		tACC6	CL = 100 pF	-	70		
READ Output disable time		toнe	CL = 100 pF	5	50		

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8.TIMING CHARACTERISTICS

8-2. 4-Line SPI Interface



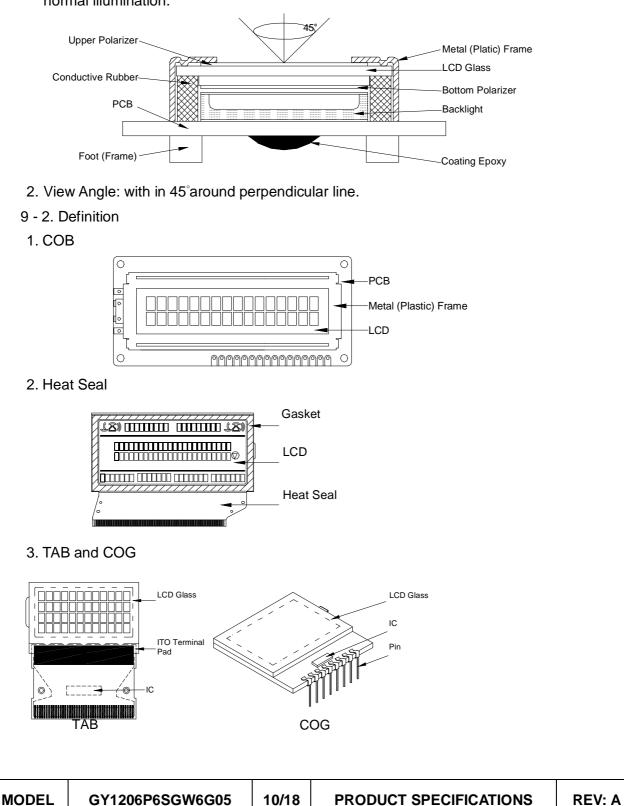
Item	Signal	Symbol	Condition	Rat	ing	Units
Item	Signal	Symbol	Condition	Min.	Max.	Units
ne SPI Clock Period		Tscyc		50	_	
L "H" pulse width	SCL	Tshw		25		
L"L" pulse width		Tslw		25	_	
Iress setup time	A0	TSAS		20	_	
Iress hold time	AU	Tsah		10	_	ns
a setup time	SI	Tsds		20	_	
a hold time	51	Тѕрн		10		
SCL time	CS	Tcss		20		
SCL time	US	Tcsh		40		

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9. QUALITY SPECIFICATION

- 9 1. LCM Appearance and Electric inspection Condition
 - 1. Inspection will be done by placing LCM 30cm away from inspector's eyeballs under normal illumination.





9. QUALITY SPECIFICATION (Continued)

- 9-3. Sampling Plan and Acceptance
- 1.Sampling Plan

MIL - STD - 105E (\parallel) ordinary single inspection is used.

2.Acceptance

Major defect:	AQL = 0.25
Minor defect:	AQL = 0.65

9-4. Criteria

1.COB

Defect	Inspection Item	Inspection Standards	
Major	PCB copper flakes peeling off	Any copper flake in viewing Area should be greater than 1.0mm ²	Reject
Major	Height of coating epoxy	Exceed the dimension of drawing	Reject
Major	Void or hole of coating epoxy	Expose bonding wire or IC	Reject
Major	PCB cutting defect	Exceed the dimension of drawing	Reject

2.SMT

Defect	Inspection Item	Inspection Standa	ards
Minor	Component marking not readable		Reject
Minor	Component height	Exceed the dimension Of drawing	Reject
Major	Component solder defect (missing , extra wrong component or wrong orientation	,	Reject
Minor	Component position shift component soldering pad \xrightarrow{X} \xrightarrow{D} \xrightarrow{D} \xrightarrow{Z} \xrightarrow{X} \xrightarrow{Y} \xrightarrow{Y}	X < 3/4Z Y > 1/3D	Reject Reject
Minor	Component tilt component p soldering pad	Y > 1/3D	Reject
Minor	Insufficient solder component PAD	<i>θ</i> ≤ 20°	Reject
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9. QUALITY SECIFICATION (Continued)

9-4. Criteria (Continued)

3. Metal (Plastic) Frame

Defect	Inspection Item	h	nspection Standa	rds		
Major	Crack / breakage	Any	/where	Reject		
		W	L	Acceptable of Scratch		
		w<0.1mm	Any	Ignore		
		0.1 <u><</u> w<0.2mm	L <u><</u> 5.0mm	2		
Minor	Frame Scratch	0.2 <u><</u> w<0.3mm	L <u><</u> 3.0mm	1		
		w <u>></u> 0.3mm	Any	0		
		Note : 1. Above criteria applicable to scratch lines with distance greater than 5mm. 2. Scratch on the back side of frame (not visible) can be ignored.				
				Acceptable of Dents / Pricks		
		Φ <u><</u>	2			
	Frame Dent , Prick	1.0<	1			
Minor	$\Phi = \frac{L + W}{2}$	1.5r	0			
	2	Note : 1. Above criteria applicable to any two dents / pricks with distance greater than 5mm 2. Dent / prick on the back side of frame (no visible) can be ignored				
Minor	Frame Deformation	Excee	d the dimension of	drawing		
Minor	Metal Frame Oxidation		Any rust			

4. Flexible Film Connector (FFC)

Defect	Inspection Item		Inspection Standa	rds
Minor	Tilted soldering		Within the angle +5°	Acceptable
Minor	Uneven solder joint /bump			Reject
Minor		$\Phi = \frac{L + W}{2}$	Expose the conductive line	Reject
Minor Hole	HOIE	$\Psi = \frac{1}{2}$	Φ > 1.0mm	Reject
Minor	Position shift $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$		Y > 1/3D	Reject
		X > 1/2Z	Reject	

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9. QUALITY SPECIFICATION (Continued)

9-4. Criteria (Continued)

Defect	Inspection Item	Inspection Standards								
Major	Screw missing/loosen		Reject							
Minor	Screw oxidation	Any rust	Reject							
Minor	Screw deformation	Difficult to accept screw driver	Reject							
6. Heat seal TCP FPC										
Defect	Inspection Item	Inspection Standards								
Major	Scratch expose conductive layer		Reject							
Minor	HS Hole $\Phi = \frac{L+W}{2}$	⊕> 0.5mm	Reject							
Major	Adhesion strength	Less than the specification	Reject							
Minor	Position shift $y \xrightarrow{-\psi} -\psi$	Y > 1/3D	Reject							
Nin IOI		X > 1/2Z	Reject							
Major	Conductive line break		Reject							
7. LED Bad	7. LED Backing Protective Film and Others									

Defect	Inspection Item	Inspection Standards						
		Acceptable number of units						
		⊕ <u><</u> 0.10mm	Ignore					
		0.10<⊕ <u><</u> 0.15mm	2					
Minor	LED dirty, prick	0.15<⊕ <u><</u> 0.2mm	1					
		⊕>0.2mm	0					
		The distance between any two spots should be <u>></u> 5mm Any spot/dot/void outside of viewing area is acceptable						
Minor	Protective film tilt	Not fully cover LCD	Reject					
Major	COG coating	Not fully cover ITO circuit						

8. Electric Inspection

Defect	Inspection Item	Inspection Standards	
Major	Short		Reject
Major	Open		Reject

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9. QUALITY SPECIFICATION (Continued)

9-4. Criteria (Continued)

9. Inspection Specification of LCD

	insp	pect Item			lı lı	nsp	ection	5	Standard	S	
		* Glass Scratc	h	W	V	N <u><</u> 0	.03	0	.03 <w<u><0.0</w<u>	5 \	N>0.05
		* Polarizer Scr	otch	L		L<	5		L<3		Any
Minor	Linear Defect	* Fiber and Lir	ŀ	ACC. NO.		1			1		Reject
		material	1	Note	L is the	leng	gth and V	V is th	ne width of	the de	efect
		* Foreign mate	erial	Φ	Ф <u><</u> 0.1	1 (0.1<⊕ <u><</u> ().15	0.15<⊕ <u><</u> 0	.2	Φ >0.2
	Black Spot and	between glass a polarizer or glas	and A	ACC. NO.	3EA / 100mn	/ n²	2		1		0
Minor	Polarizer Pricked	and glass * Polarizer hole protuberance by external force		Note			•		er of the de fects > 10n		
		* Unobvious		Φ	4	₽ <u><</u> 0.	.3	0.3	8<⊕ <u><</u> 0.5	0.	5< Φ
	White Spot	transparant fore material betwee	en (ACC. NO.	3EA/	/ 10	0mm²		1		0
Minor	and Bubble in polarizer	glass and glass glass and polari * Air protubera between polariz and glass	izer Ince N	Note			•		er of the de fects > 10n		
			<u> </u>	Φ	⊕ <u><</u> 0.1		0.10<Φ <u><</u>	<u><</u> 0.20	0.20< ⊕	<u><</u> 0.25	⊕>0.2 \$
	Segment Defect			ACC. NO.	3EA / 100mm	n ²	2		1		0
Minor			<i>≫</i>		W is mo	ore t	han 1/2 :	segm	ent width		Reject
				Note	$\Phi = -$			vo de	fect is 10m	m	
				Φ	⊕ <u><</u> 0.1	0	0.10<⊕ <u><</u> 0.		0.20< Φ	<0.25	Φ>0.2
Minor	Protuberant		_	W	Glue W <u><1/2</u> S W<0.2		Seg W <u><</u> 1/2 Seg		Ignore		
	Segment	Φ = (L + W) / 2		ACC. NO.	3EA / 100mm	n ²	2	-	1		0
			1	I. Seg	ment						
			F	B		B <u><</u> 0).4mm	0.4<	B <u><</u> 1.0mm	B>′	1.0mm
N 4:	Assembly			В-	A	B-A	<1/2B	В	-A<0.2	B-A	<0.25
Minor	Mis-alignment			Jud	-	Acce	eptable	Ac	Acceptable Acce		eptable
			7	2. Dot Matrix Deformation>2°							Reject
Minor	Stain on LCD Panel Surface		c	ora's	similar o	one.	Otherw	ise,	ed lightly w judged ac Vhite Spot"		
										<u> </u>	



10. RELIABILITY

NO.	ltem	Condition	Criterion		
1	High Temperature Operating	70℃, 96Hrs			
2	Low Temperature Operating	-20℃, 96Hrs			
3	High Humidity	60℃, 90%RH, 96Hrs			
4	High Temperature Storage	80℃, 96Hrs	No defect in cosmetic and operational function allowable.		
5	Low Temperature Storage	-30℃, 96Hrs			
		Random wave	Total current Consumption should		
C	Vibration	10 ~ 100Hz	be below double of initial value.		
6	VIDIATION	Acceleration: 2G			
		60 Minute			
		-10℃ to 25℃ to 50℃			
7	Thermal Shock	(60Min) (15Min) (60Min)			
		10Cycles			
		Contract Discharge Voltage: +1 ~ 5kV and -1 ~ -5kV	There will be discharged ten times at every discharging voltage cycle. The voltage gap is 1kV.		
8	ESD Testing	Air Discharge Voltage: +1 ~ 8kV and –1 ~ -8kV			

Note: 1) Above conditions are suitable for GOLDENTEK standard products.

2) For restrict products, the test conditions listed as above must be revised.

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11. HANDLING PRECAUTION

(1) Mounting Method

The panel of the LCD Module consists of two thin glass plates with polarizers which easily get damaged since the Module is fixed by utilizing fitting holes in the printed circuit board. Extreme care should be taken when handling the LCD Modules.

(2) Caution of LCD handling & cleaning

When cleaning the display surface, use soft cloth with solvent (recommended below) and wipe lightly.

- Isopropyl alcohol
- Ethyl alcohol
- Trichlorotrifloroethane

Do not wipe the display surface with dry or hard materials that will damage the polarizer surface.

Do not use the following solvent:

- Water
- Ketone
- Aromatics
- (3) Caution against static charge

The LCD Module use C-MOS LSI drivers, so we recommend that you connect any unused input terminal to VDD or VSS, do not input any signals before power is turned on. And ground your body, Work/assembly table. And assembly equipment to protect against static electricity.

(4) Packaging

- Modules use LCD elements, and must be treated as such. Avoid intense shock and falls from a height.

- To prevent modules from degradation. Do not operate or store them exposed directly to sunshine or high temperature/humidity.
- (5) Caution for operation
 - It is indispensable to drive LCD's within the specified voltage limit since the higher voltage than the limit shorten LCD life. An electrochemical reaction due to direct current causes LCD deterioration, Avoid the use of direct current drive.

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MODEL	0112001000000	10/10		



11. HANDLING PRECAUTION (Continued)

- Response time will be extremely delayed at lower temperature than the operating temperature range and on the other hand at higher temperature LCD's show dark color in them.

However those phenomena do not mean malfunction or out of order with LCD's. Which will come back in the specified operating temperature range.

- If the display area is pushed hard during operation, some font will be abnormally displayed but it resumes normal condition after turning off once.
- A slight dew depositing on terminals is a cause for electro-chemical reaction resulting in terminal open circuit.

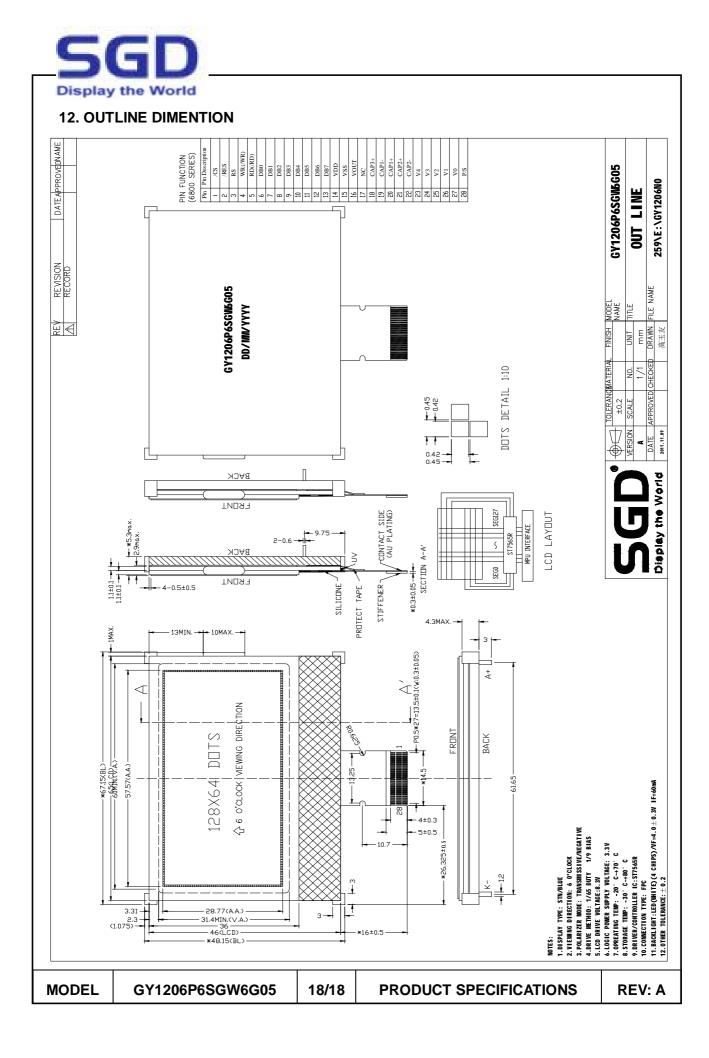
Usage under the relative condition of 40°C, 80%RH or less is required.

(6) Storage

In the case of storing for a long period of time (for instance ,for years) for the purpose or replacement use, The following ways are recommended.

- Storage in a polyethylene bag with sealed so as not to enter fresh air outside in it, And with no desiccant.
- Placing in a dark place where neither exposure to direct sunlight nor light is. Keeping temperature in the specified storage temperature range.
- Storing with no touch on polarizer surface by the anything else. (It is recommended to store them as they have been contained in the inner container at the time of delivery)
- (7) Safety
 - It is recommendable to crash damaged or unnecessary LCD into pieces and wash off liquid crystal by using solvents such as acetone and ethanol.
 - Which should be burned up later.
 - When any liquid crystal leaked out of a damaged glass cell comes in contact with your hands, please wash it off well with soap and water.

MODEL	GY1206P6SGW6G05	17/18	PRODUCT SPECIFICATIONS	REV: A





SAMPLE OUTGOING INSPECTION REPORT (LCM)

Data: 2011/12/02

NO.: QAB12002

Customer		Product NO.		C	Driving Voltage Testing			g Condition	Quantity			
盲	高雄富相 GY1206P6SGW6G05				VOP:	8.3V		25°C 4Pcs		4Pcs		
						In	spectio	n Result		·		
ľ	Items Specification											
Disp	lay Mode	0	W / B N	lode	\bigcirc	B/WN	Mode		w Mode	●Blue Mode	e C	Gray Mode
Polar	izer Type	0	Reflecti	ve			🔿 Tra	Insflective		Transr	nissive	;
	ewing rection	\bigcirc	3 O'cloo	ck	•	6 O'c	lock		⊖ 9 O'c	lock C) 12 O	'clock
		I				Elect	rical / A	ppearanc	ce			
	ltem		Inspe	ection N	Method			Specifica	ition	Ins	Inspection Result	
Арр	Appearance Spot Gauge		Gauge	Caliper	liper Final Inspection Crite			n Criteria	a • 0	к	⊖ NG	
Ele	ectrical		L	.CM Tes	ster	r Product Specification			• 0	к	⊖ NG	
Ρ	attern		L	.CM Tes	ster		Drawing			• 0	к	⊖ NG
					D	imens	sion / Sı	apply Cur	rent			
ltem	Spec.(m	m)	NO.1	NO.2	NO.3	NO.4	NO.5	Res	sult		Fig.	
L1	67.15 <u>+</u> 0).2	67.05	67.15	67.09	67.05	67.08	• ок	\bigcirc NG			
L2	14.5 <u>+</u> 0	.3	14.43	14.43	14.41	14.43	14.45	• ОК	\bigcirc NG			
W1	48.15 <u>+</u> 0).2	48.17	48.18	48.16	48.23	48.15	• ок	\bigcirc NG	128×6 ▶ 	4 DOTS	BACK
W2	16.0 <u>+</u> 0	.5	16.41	16.35	16.06	16.45	16.23	• ок	⊖ NG			
Т	5.3mm N	/lax	4.69	4.68	4.68	4.68	4.69	• ок	⊖ NG			
IDD	3.0mA N	lax	1.50	1.50	1.50	1.50	1.50	• ок	⊖ NG			
De	signed		EL	IN	С	hecke	d	/		Approved		Wallace
											Ļ,	NO.: F10018A

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