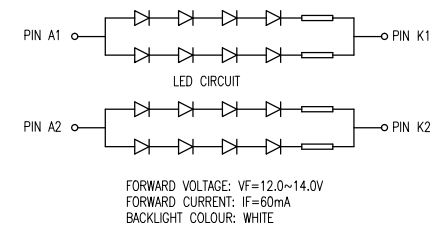


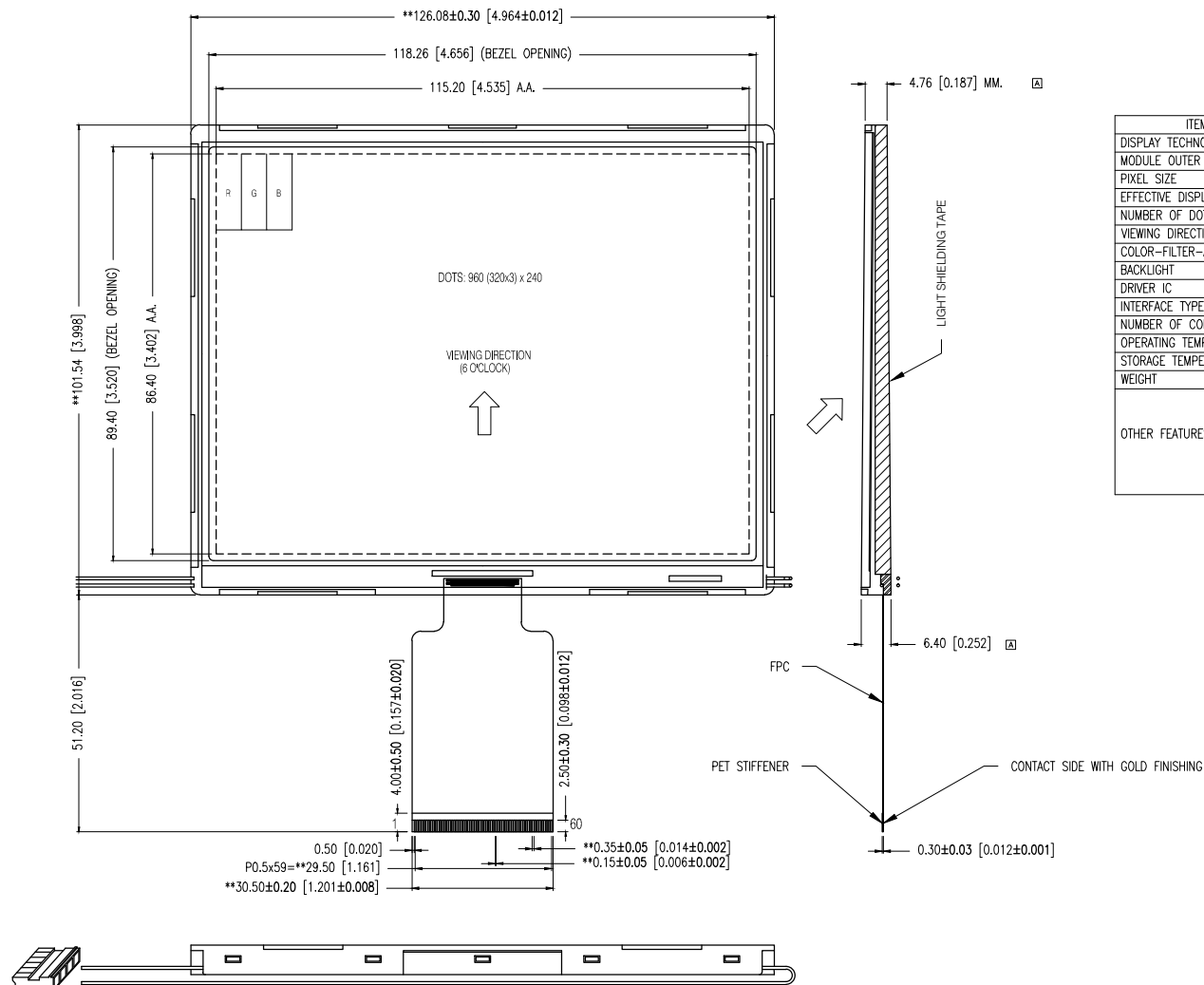
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ITEM	CONTENTS	UNIT
DISPLAY TECHNOLOGY	5.7" A-Si TFT ACTIVE-MATRIX TRANSMISSIVE	-
MODULE OUTER DIMENSION	126.08 x 101.54 x 6.4(MAX)	mm
PIXEL SIZE	120(H) x 360(V)	um
EFFECTIVE DISPLAY AREA	115.2 x 86.4	mm
NUMBER OF DOTS	320RGBx240	DOTS
VIEWING DIRECTION	6	O'CLOCK
COLOR-FILTER-ARRAY	RGB STRIPE	-
BACKLIGHT	LED WHITE BACKLIGHT	-
DRIVER IC	SOURCE DRIVER:HX8212; GATE DRIVER: HX8615	-
INTERFACE TYPE	DIGITAL 8-BIT SERIAL/24-BIT PARALLEL RGB, CCIR601/656	-
NUMBER OF COLORS	16.7M	-
OPERATING TEMPERATURE	-20~70	°C
STORAGE TEMPERATURE	-30~80	°C
WEIGHT	124	g
OTHER FEATURES	- DE (DATA ENABLE,DOTCLK) MODE, SYNC (VSYNC,HSYNC, DOTCLK) MODE - BUILT-IN TCON AND DAC - SUPPORT NTSC/PAL TV SYSTEM - LINE INVERSION MODE - ULTRA LOW POWER CONSUMPTION	-



NOTES:

1. $\diamond$ * SPECIAL DIMENSION (PPK/CPK DATA NEEDED > 1.67)
2. ** CONTROL DIMENSION
3. ALL UNMARKED $\diamond$ * OR ** DIMENSIONS ARE REFERENCE ONLY
4. GREEN/ROHS PRODUCT : YES
5. THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.



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INTERFACE PIN CONNECTION		
PIN	SYMBOL	FUNCTION
1	VCOM	COMMON ELECTRODE DRIVING SIGNAL.
2	OSD_HS	OSD HSYNC OUTPUT.
3	OSD_VS	OSD VSYNC OUTPUT.
4	OSD_CLK	OSD CLOCK OUTPUT.
5	OSD-R	OSD RED DATA INPUT. NORMALLY PULL LOW.
6	OSD-G	OSD GREEN DATA INPUT. NORMALLY PULL LOW.
7	OSD-B	OSD BLUE DATA INPUT. NORMALLY PULL LOW.
8	OSD_EN	OSD ENABLE INPUT. NORMALLY PULL LOW.
9	DVCC	DIGITAL POWER FOR SOURCE DRIVER. 3V~3.6V.
10	ZX1	ZOOM IN/OUT MODE SETTING PIN.
11	ZX2	ZOOM IN/OUT MODE SETTING PIN.
12	ZX3	ZOOM IN/OUT MODE SETTING PIN.
13	DEN	INPUT DATA ENABLE CONTROL. NORMALLY PULL LOW.
14	IVS	VERTICAL SYNC INPUT IN DIGITAL RGB MODE
15	IHS	HORIZONTAL SYNC INPUT IN DIGITAL RGB MODE
16	CLK	CLOCK SIGNAL. LATCHING DATA AT THE RISING EDGE.
17~24	D00~D07	DIGITAL DATA INPUT.
25	AVSS	ANALOG GROUND.
26	AVDD	ANALOG POWER. 4.5V~5.5V.
27~34	D10~D17	DIGITAL DATA INPUT.
35~42	D20~D27	DIGITAL DATA INPUT.
43	QXH	REFERENCE SIGNAL FOR VIDEO DECODER TO ARRANGE DATA SEQUENCE.
44	NPC	NTSC OR PAL MODE AUTO DETECTION RESULT.
45	POL	POLARITY SELECT FOR THE LINE INVERSION CONTROL SIGNAL.
46	SPDA	SERIAL PORT DATA INPUT/OUTPUT.
47	SPCK	SERIAL PORT CLOCK. NORMALLY PULL HIGH.
48	SPENA	SERIAL PORT DATA ENABLE SIGNAL. NORMALLY PULL HIGH.
49	IF1	CONTROL THE INPUT DATA FORMAT.
50	IF2	CONTROL THE INPUT DATA FORMAT.
51	LRC	THE SHIFT DIRECTION OF DEVICE. INTERNAL SHIFT REGISTER SETTING PIN.
52	UD	UP/DOWN SCAN SETTINGS.
53	RESETB	HARDWARE GLOBAL RESET. LOW ACTIVE. NORMALLY PULL HIGH.
54	DGND	DIGITAL GROUND FOR SOURCE DRIVER.
55	VGH	POWER SUPPLY FOR LCM GATE HIGH (+15V)
56	VEE	POWER SUPPLY FOR LCM GATE LOW (-7V)
57	DVDD	DIGITAL POWER SUPPLY FOR GATE DRIVER.
58	DVSS	DIGITAL GROUND FOR GATE DRIVER.
59	NC	NO CONNECTION.
60	NC	NO CONNECTION.

COLOR DATA INPUT ASSIGNMENT		
COLOR	DISPLAY	DATA SIGNAL
		RED GREEN BLUE
		R0 R1 R2 R3 R4 R5 G0 G1 G2 G3 G4 G5 B0 B1 B2 B3 B4 B5
BASIC COLOR	BLACK	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 1 1 1 1 1
	GREEN	0 0 0 0 0 0 0 1 1 1 1 1 1 0 0 0 0 0
	CYAN	0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1
	RED	1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0
	MAGNETA	1 1 1 1 1 1 0 0 0 0 0 0 1 1 1 1 1 1
	YELLOW	1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0
GRAY SCALE OF RED	WHITE	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
	DARK	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	↑	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		: : : : : : : : : : : : : : : : : :
		: : : : : : : : : : : : : : : : : :
		1 0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0
GRAY SCALE OF GREEN	↓ LIGHT	0 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0
	RED	1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0
	BLACK	0 0 0 0 0 0 1 1 1 1 1 1 0 0 0 0 0 0
	DARK	0 0 0 0 0 0 0 0 1 1 1 1 0 0 0 0 0 0
	↑	0 0 0 0 0 0 1 0 1 1 1 1 0 0 0 0 0 0
		: : : : : : : : : : : : : : : : : :
		: : : : : : : : : : : : : : : : : :
GRAY SCALE OF BLUE	↓ LIGHT	0 0 0 0 0 0 1 0 1 1 1 1 0 0 0 0 0 0
	GREEN	0 0 0 0 0 0 1 1 1 1 1 1 0 0 0 0 0 0
	BLACK	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	DARK	0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0
	↑	0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0
		: : : : : : : : : : : : : : : : : :
		: : : : : : : : : : : : : : : : : :
GRAY SCALE OF BLUE	↓ LIGHT	0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 1
	BLUE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1
	BLACK	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	DARK	0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0
	↑	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0
		: : : : : : : : : : : : : : : : : :
		: : : : : : : : : : : : : : : : : :

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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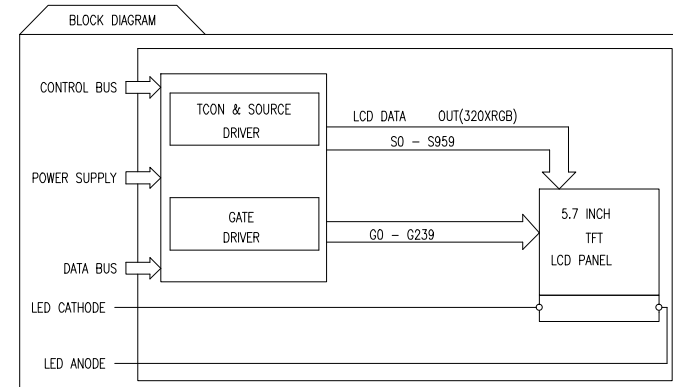
ELECTRICAL CHARACTERISTICS						
ITEM	SYMBOL	STANDARD VALUE			UNIT	REMARKS
		MIN	TYP.	MAX		
POWER VOLTAGE	DVDD	2.7	3.3	5.5	V	
	AVDD	3.8	5	5.5	V	
	DVCC	3	3.3	3.6	V	
GATE ON VOLTAGE	VGH	7	15	VEE+40	V	
GATE OFF VOLTAGE	VGL	-20	-10	-5	V	
INPUT HIGH VOLTAGE	VIH	0.7*VDDIO	-	VDD	V	
INPUT LOW VOLTAGE	VIL	Vss	-	0.3xVDD	V	
OUTPUT HIGH VOLTAGE	VOH	VDD-0.3	-	V _{DD}	V	IOH=200uA
OUTPUT LOW VOLTAGE	VOL	Vss	-	VSS+0.3	V	IOL=200uA
OUTPUT VOLTAGE DEVIATION	V _{VD}	-	±20	-	mV	
DC OFFSET	V _{OS}	-	-	±20	mV	

BACKLIGHT SPECIFICATIONS						
ITEM	SYMBOL	STANDARD VALUE			UNIT	REMARKS
		MIN	TYP.	MAX		
FORWARD VOLTAGE	V _f	12	13	14	V	I _f =60mA
ABSOLUTE MAX FORWARD CURRENT	I _f m	-	60	-	mA	
REVERSE VOLTAGE	V _r	-	-	5	V	
RESERVE CURRENT	I _r	-	-	15	A	V _r =3.0V
CHROMACITY COORDINATES	X	0.287	-	0.320	-	
	Y	0.276	-	0.328	-	
LUMINANCE (BLU ONLY)	L _v	2800	3400	4000	cd/m ²	I _f =60mA
UNIFORMITY	△	70	75	85	%	MIN/MAX*100%
REMARK	LED PATENTED					
HALF-BRIGHTNESS LIFE TIME	50000 HOURS					

ABSOLUTE MAXIMUM RATINGS						
ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE			UNIT
			MIN	TYP.	MAX	
POWER VOLTAGE	DVDD	DVSS=0	-0.3	-	7.0	V
	AVDD	AVSS=0	-0.3	-	7.0	V
	DVCC	DGND=0	-0.3	-	7.0	V
GATE ON VOLTAGE	VGH	GND=0	-0.3	-	32	V
GATE OFF VOLTAGE	VGL		-22	-	0.3	V
INPUT VOLTAGE	VIN	-	-0.3	-	DVCC+0.3	V
LOGICAL OUTPUT VOLTAGE	VOUT	-	-0.3	-	7.0	V

NOTES:

IT IS A NORMAL CHARACTERISTIC THAT THE LCD COLOR AND CONTRAST WILL CHANGE (SOME TIMES UNEVENNES CAN BE SEEN) UNDER LOW TEMPERATURE AND HIGH TEMPERATURE ENVIRONMENT. WHEN THE APPLICATION TEMPERATURE RETURNS BACK TO ROOM TEMPERATURE, LCD COLOR AND CONTRAST WILL REVERSE BACK TO ITS ORIGINAL COLOR AND CONTRAST WITHIN 24 HOURS AND ITS FUNCTIONALITY IS NOT AFFECTED.



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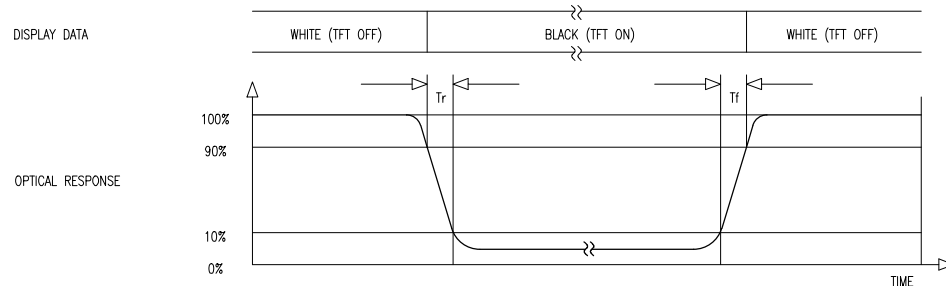
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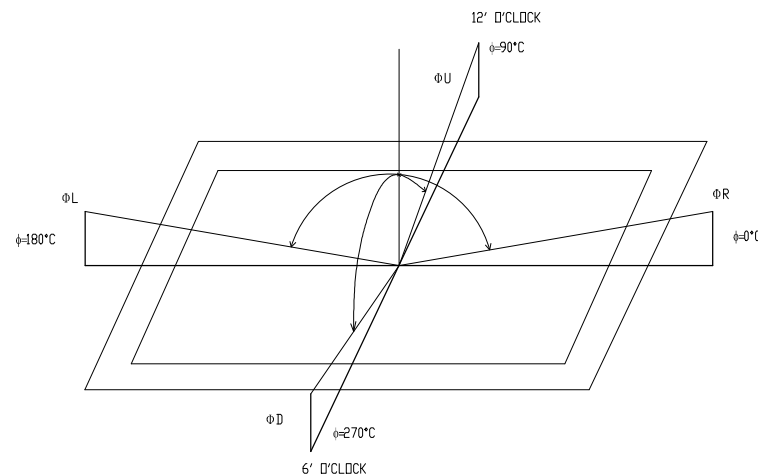
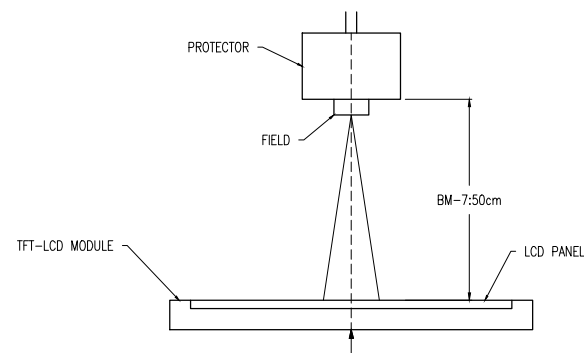
OPTICAL CHARACTERISTICS							
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT	NOTE
RESPONSE TIME	Tr	$\theta=\phi=0^{\circ}\text{C}$	—	15	30	V	1
	Tf		—	35	50	V	
CONTRAST RATIO	CR	$\theta=\phi=0^{\circ}\text{C}$	150	250	—	V	2
VIEWING ANGLE (CR ≥ 10)	RIGHT	$\phi=0^{\circ}\text{C}$	—	45	—	DEG	3
	LEFT	$\phi=180^{\circ}\text{C}$	—	45	—	DEG	
	UPPER	$\theta=90^{\circ}\text{C}$	—	15	—	DEG	
	LOWER	$\theta=270^{\circ}\text{C}$	—	35	—	DEG	
LUMINANCE OF WHITE (CENTER POINT OF LCM)	L	—	200	250	—	Cd/m ²	5
COLOR CROMACITY (CIE1931)	Rx	$\theta=\phi=0^{\circ}\text{C}$	0.610	0.640	0.670	—	4
	Ry		0.314	0.344	0.374	—	
"SIMULATION DATA REFERENCE ONLY"	Gx		0.268	0.298	0.328	—	
	Gy		0.553	0.583	0.613	—	
	Bx		0.107	0.137	0.167	—	
	By		0.083	0.103	0.123	—	
	Wx		0.282	0.312	0.342	—	
	Wy		0.299	0.329	0.359	—	
OPTIMUM VIEWING DIRECTION		6 O'CLOCK					—

NOTE(1): DEFINITION OF RESPONSE TIME

NOTE(2): DEFINITION OF CONTRAST RATIO
CR=BRIGHTNESS AT ALL PIXELS "WHITE" / BRIGHTNESS AT ALL PIXELS "BLACK"

NOTE(5): MEASURED AT CENTER POINT VERTICALLY WITH BACKLIGHT ON."

NOTE(3): DEFINITION OF VIEWING ANGLE

NOTE(4): AFTER STABILIZING AND LEAVING THE PANEL ALONE AT GIVEN TEMPERATURE FOR 30MIN, THE MEASUREMENT SHOULD BE EXECUTED. MEASUREMENT SHOULD BE EXECUTED IN STABLE, WINDLESS, AND DARK ROOM 30 MINS AFTER LIGHTING THE BACK-LIGHT. THIS SHOULD BE MEASURED IN THE CENTER OF SCREEN.
ENVIRONMENT CONDITION: $T_a=25\pm 2^{\circ}\text{C}$ BACK-LIGHT ON CONDITION

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STANDARD SPECIFICATION FOR REABILITY

STANDARD SPECIFICATION OF REABILITY TEST

NO	TEST ITEM	CONTENT OF TEST	TEST CONDITION	APPLICABLE STANDARD
1	HIGH TEMPERATURE STORAGE	ENDURANCE TEST APPLYING THE HIGH STORAGE TEMPERATURE FOR A LONG TIME.	80+/-3°C 240HRS	- - - -
2	LOW TEMPERATURE STORAGE	ENDURANCE TEST APPLYING THE HIGH STORAGE TEMPERATURE FOR A LONG TIME.	-30+/-3°C 240HRS	- - - -
3	HIGH TEMPERATURE OPERATION	ENDURANCE TEST APPLYING THE ELECTRIC STRESS (VOLTAGE & CURRENT) AND THE THERMAL STRESS TO THE ELEMENT FOR A LONG TIME.	70+/-3°C 240HRS	- - - -
4	LOW TEMPERATURE OPERATION	ENDURANCE TEST APPLYING THE ELECTRIC STRESS UNDER LOW TEMPERATURE FOR A LONG TIME.	FOR -20+/-3°C 240HRS	- - - -
5	HIGH TEMPERATURE/ HUMIDITY OPERATION	ENDURANCE TEST APPLYING THE ELECTRIC STRESS (VOLTAGE & CURRENT) AND TEMPERATURE / HUMIDITY STRESS TO THE ELEMENT FOR A LONG TIME.	40°C, 90%RH 120HRS	MIL-202E-103B JIS-C5023
6	TEMPERATURE CYCLE	ENDURANCE TEST APPLYING THE LOW AND HIGH TEMPERATURE CYCLE. -20°C 30 MIN $\rightleftharpoons$ 25°C 5 MIN $\rightleftharpoons$ 70°C 30 MIN ← 1 CYCLE →	-20°C/ 70°C 10 CYCLES	- - - -
MECHANICAL TEST				
7	DROP TEST	ENDURANCE TEST APPLYING THE DROP DURING TRANSPORTATION.	PACKED,100cm FREE FALL(6 SLIDES, 1 CORNER, 3 EDGES)	- - - -

REMARKS:

1. FOR OPERATION TEST, ABOVE SPECIFICATION IS APPLICABLE WHEN TEST PATTERN IS CHANGING DURING ENTIRE OPERATION TEST.
2. INSPECTIONS AFTER RELIABILITY TESTS ARE PERFORMED WHEN THE DISPLAY TEMPERATURE RESUMES BACK TO ROOM TEMPERATURE.
3. IT IS A NORMAL CHARACTERISTIC THAT SOME DISPLAY ABNORMALITY CAN BE SEEN DURING REABILITY TEST. IF THE DISPLAY ABNORMALITY CAN RESUME BACK TO NORMAL CONDITION AT ROOM TEMPERATURE WITHIN 24 HOURS, THERE IS NO PERMANENT DESTRUCTION OVER THE DISPLAY. THE DISPLAY STILL POSSESSES ITS FUNCTIONALITY AFTER REABILITY TESTS.

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QUALITY ASSURANCE

ACCEPTABLE QUALITY LEVEL (AQL)

EACH LOT SHOULD SATISFY THE QUALITY LEVEL DEFINED AS FOLLOWS:

A. INSPECTION METHOD: MIL-STD-105E LEVEL II NORMAL ONE TIME SAMPLING.

B. AQL LEVEL.

CATEGORY	AQL	DEFINITION
MAJOR	0.25%	FUNCTIONAL DEFECTIVE AS PRODUCT.
MINOR	1.00%	SATIFY ALL FUNCTIONS AS PRODUCT BUT NOT SATISFY COSMETIC STANDARD.

COSMETIC SCREENING CRITERIA

NO	DEFECT	JUDGMENT CRITERIA		CATEGORY
1	SPOTS/DUST /BUBBLE (ROUND TYPE)	SIZE, D(mm)	ACCEPTABLE QUANTITY IN ACTIVE AREA	MINOR
		D≤0.15	DISREGARD	
		0.15<D≤0.20	3	
		D>0.20	0	
2	DUST/ SCRATCHES/ BLACK STREAK (LINE TYPE)	WIDTH, W(mm)	LENGTH, L(mm)	MINOR
		W≤0.02	DISREGARD	
		W≤0.03	L ≤ 1.0	
		W≤0.05	L ≤ 2.0	
		W>0.05	DISREGARD	
3	ALLOWABLE DENSITY	ABOVE DEFECTS SHOULD BE SEPARATED MORE THAN 5mm EACH OTHER.		MINOR
4	RAINBOW	OBVIOUS UNVEN COLOR (RAINBOW) SHALL NOT BE NOTICEABLE.		MINOR
5	DISPLAY CONDITION	DIM DISPLAY ON THE PATTERNS, EXTRA PATTERN AND SHORT CIRCUIT ARE NOT ACCEPTABLE.		MAJOR
6	NO DISPLAY OR MISSING DISPLAY	THE PATTERNS OF DISPLAY SHALL LIGHT UP AS REQUIRED. NO DISPLAY OR MISSING DISPLAY ARE NOT ACCEPTABLE.		MAJOR

NOTE: D= (LONG LENGTH + SORTH LENGTH)/2

FAILURE JUDGMENT CRITERIA

AFTER REABILITY TEST ABOVE, TEST SAMPLE SHALL BE LET RUN TO ROOM TEMPERATURE AND HUMIDITY AT LEAST 4 HOURS BEFORE FINAL TESTS ARE CARRIED OUT.

CRITERION ITEM	FAILURE JUDGMENT CRITERIA
ELECTRICAL CHARACTERISTIC	ELECTRICAL SHORT AND OPEN.
MECHANICAL CHARACTERISTIC	OUT OF MECHANICAL SPECIFICATION.
OPTICAL CHARACTERISTIC	OUT OF APPERANCE STANDARD.

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UNIT: mm [INCH]	(Pb)

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DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
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RoHS COMPLIANT PRODUCT

1. CADMIUM AND CADMIUM COMPOUNDS
2. HEXVALENT CHROMIUM COMPOUNDS
3. LEAD AND LEAD COMPOUNDS
4. MERCURY AND MERCURY COMPOUNDS
5. POLYBROMINATED BIPHENYLS (PBBs)
6. POLYBROMINATED DIPHENYL ETHERS (PBDEs)

LESS THAN 100PPM
LESS THAN 1000PPM
LESS THAN 1000PPM
LESS THAN 1000PPM
LESS THAN 1000PPM
LESS THAN 1000PPM

PACKAGING STANDARD

PRODUCT NO.	LCT-H320240M57W	RELEASE DATE	04/APR. 2007
PRODUCT NAME.	TFT MODULE	PREPARE BY:	
QUANTITY/ EACH BOX	168 PCS.	BOX MATERIAL	PAPER CARTON
OUTER CARTON BOX SIZE	465mm x 405mm x 305mm	BOX TYPE	NEW
QUANTITY/ INNER BOX QUANTITY/ OUTER BOX	12 X 7 X 2 = 168 PCS.	WEIGHT	8.6 KG

THERE ARE 12 PCS LCD PER EACH ANTI-STATIC PLASTIC PLATE.
THERE ARE 7 LAYER PLASTIC PLATES PER EACH INNER CARTON BOX.
THERE ARE 2 INNER CARTON BOX PER EACH OUTER CARTON BOX.

STORAGE

1. WHEN STORING LCDS AS SPARES FOR SOME YEARS, THE FOLLOWING PRECAUTIONS ARE NECESSARY.
2. STORE THEM IN A SEALED POLYETHYLENE BAG. IF PROPERLY SEALED, THERE IS NO NEED FOR DESICCANT.
3. STORE THEM IN A DARK PLACE. DO NOT EXPOSE TO SUNLIGHT OR FLUORESCENT LIGHT, KEEP THE TEMPERATURE BETWEEN 0°C AND 35°C.
4. ENVIRONMENTAL CONDITIONS:
5. DO NOT LEAVE THEM FOR MORE THAN 168HRS. AT 60°C.
6. SHOULD NOT BE LEFT FOR MORE THAN 48HRS. AT -20°C.

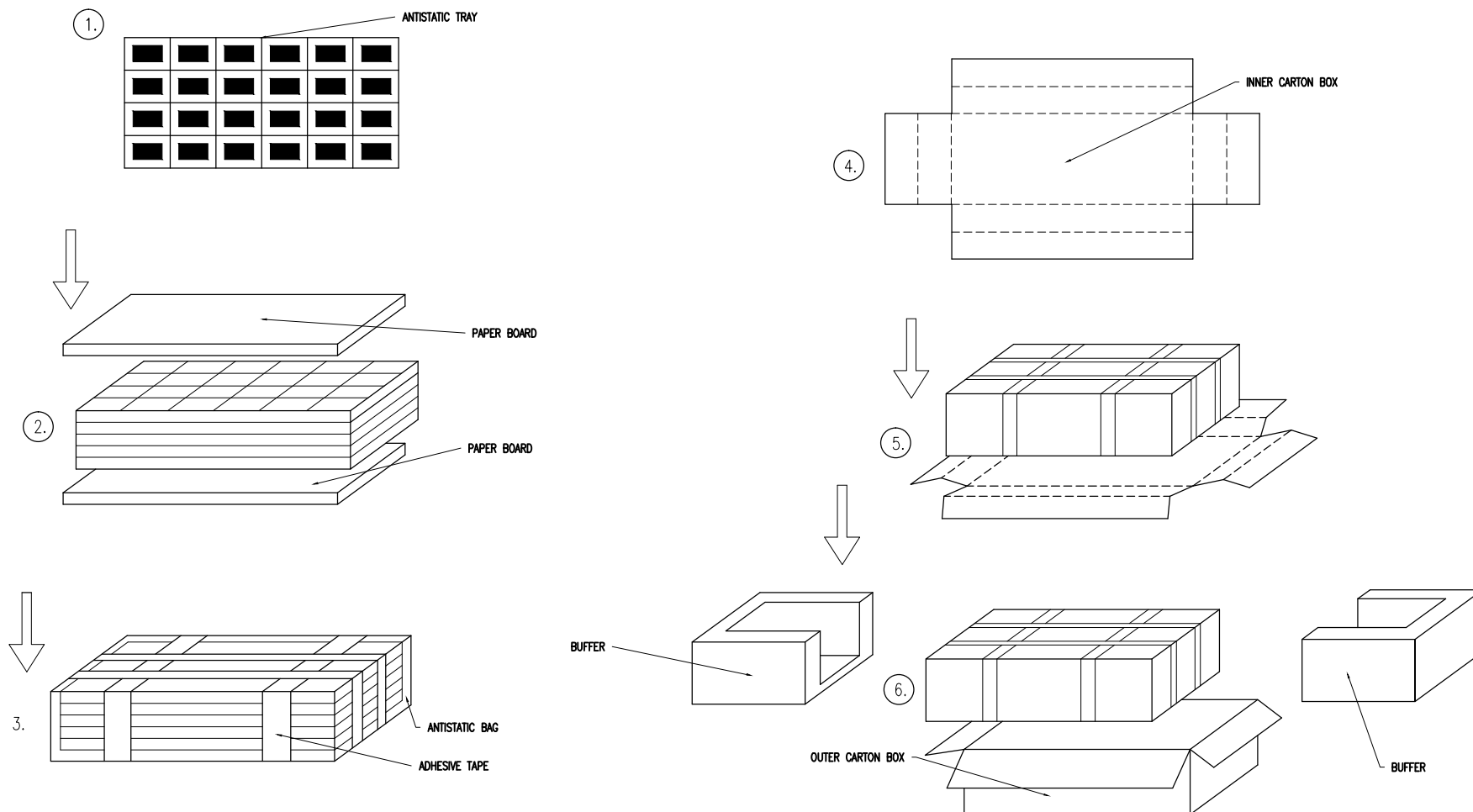
SAFETY

1. ITS RECOMMENDED TO CRUSH DAMAGED OR UNNECESSARY LCD INTO PIECES AND WASH THEM OFF WITH SOLVENTS SUCH AS ACETONE AND ETHANOL, WHICH SHOULD LATER BE BURNED.
2. IF ANY LIQUID LEAKS OUT OF DAMAGED GLASS CELL AND COMES IN CONTACT WITH THE HANDS, WASH OFF THOROUGHLY WITH SOAP AND WATER.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN=+DECIMAL PRECISION
-0.00 MAX.=+0.00
-DECIMAL PRECISION

	290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538 WEB: WWW.LUMEX.COM	5.7" ACTIVE MATRIX FULL COLOR TFT PANEL, 6:00 VIEW, LED BACKLIGHT, -20°C TO +70°C OPERATING TEMP.		DATE: 04.28.09	DRAWN BY: JN
		THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.		PAGE: 8 OF 9	CHKD BY: --
		CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.		SCALE:	APRVD BY: --
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