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D-82205 Gilching

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http://www.lcd-module.de

03.2018

Micro OLED 0.95" - 96x64 dots

Incl. controller SSD1305Z







Features

- 0.95" Low-Power OLED
- -40..+80°C (T_{op.})
- 96x64 dots
- Incl. controller SSD1305B
- SPI, I2C, 8-Bit Interface
- Fast response time (10µs) even at -40°C

Ordering code

OLED 0.95" - 96x64 dots, yellow

EA W096064-XALG

EA W096064-XALG

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1. General Specification

2.1. Item	Dimension	Unit
Dot Matrix	96 x 64 Dots	_
Module dimension	24.9 × 22.95 × 1.65 (mm)	mm
Active Area	19.946 × 13.418 (mm)	mm
Pixel Size	0.186 × 0.188 (mm)	mm
Pixel Pitch	0.208 × 0.21 (mm)	mm
Display Mode	Passive Matrix	
Display Color	Yellow	
Drive Duty	1/64 Duty	
IC	SSD1305Z	



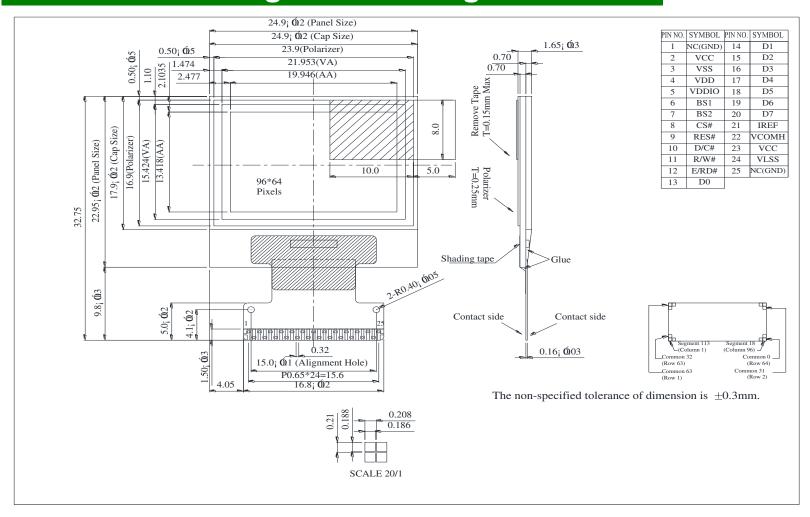


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2. Contour Drawing & Block Diagram







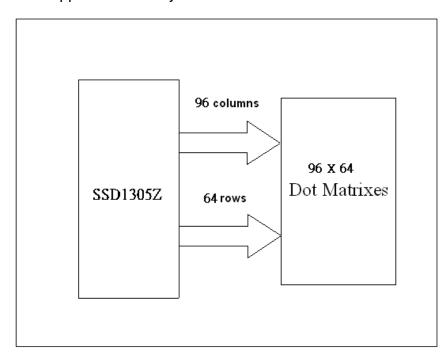
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VCC Supplied Externally







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3. Interface Pin Function

Pin Number	Symbol	I/O	Function	n					
1.	N.C. (GND)	-	The supp	Reserved Pin(Supporting Pin) The supporting pins can reduce the influences from stresses on the function pins. These pins must be connected to external ground.					
2.	VCC	P		Power Supply for OLED Panel This is the most positive voltage supply pin of the chip. It must be supplied externally.					
3.	VSS	P	This is a	of Logic Circuit ground pin. It alsed to external gro		ence for th	ne logic pir	ns. It must be	
4.	VDD	P		upply for Logic (voltage supply p		nnected to	external s	ource.	
5.	VDDIO	P	It should	apply for interfact be match with Morelower than VI	ACU interface vo	oltage leve	el. VDDIO	must always	
6.	BS1	BS1 I		nicating Protocol ns are MCU inter 68XX-parallel		put. See the Serial	he followir	ng table:	
7.	BS2	BS2	BS1 BS2	0	1 1	0	1 0		
8.	CS#	I		ect is the chip select ication only whe			for MCU		
9.	RES#	I	Power R	eset for Controlle is reset signal in	er and Driver		nitializatio	n of the chip	
10.	D/C#	I	This pin input at input at relations Characte When th at SDIN transferr	ommand Control is Data/Command D7~D0 is treated D7~D0 will be training to MCU interestrictics Diagrams are pin is pulled high is treated as data ared to the commandress selection.	as display data. ansferred to the conface signals, please. gh and serial integrals. When it is pulled	When the command ase refer to erface moded low, the	pin is pulleregister. For the Timin de is selected data at SI	ed low, the or detail ng ed, the data DIN will be	
11.	R/W#	I	Read/ W	rite Selector Writ is MCU interface		terfacing t	to a68XX-s	series	





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			microprocessor, this pin will be used as Read/Write (R/W#) selection input. Pull this pin to "High" for read mode and pull it to "Low" for write mode. When 80XXinterface mode is selected, this pin will be the Write (WR#) input. Data write operation is initiated when this pin is pulled low and the CS# is pulled low.
12.	E/RD#	Ι	Read/Write Enable or Read This pin is MCU interface input. When interfacing to a68XX-series microprocessor, this pin will be used as the Enable (E) signal. Read/write operation is initiated when this pin is pulled high and the CS# is pulled low. When connecting to an 80XX-microprocessor, this pin receives the Read (RD#) signal. Data read operation is initiated when this pin is pulled low and CS# is pulled low.
13. 14. 15. 16. 17. 18. 19. 20.	D0~D7	I/O	Host Data In put/ Output Bus These pins are 8-bit bi-directional data bus to be connected to the microprocessor's data bus. When serial mode is selected, D1 will be the serial data input SDIN and D0 will be the serial clock input SCLK. When I2Cmode is selected, D2 & D1 should be tired together and serve as SDAout & SDAin in application and D0 is the serial clock input SCL.
21.	IREF	I	Current Reference for Brightness Adjustment This pin is segment current reference pin. A resistor should be connected between this pin and VSS. Set the current lower than 10µA.
22.	VCOMH	О	Voltage Output High Level for COM Signal This pin is the input pin for the voltage output high level for COM signals. A capacitor should be connected between this pin and VSS.
23.	VCC	P	Power Supply for OLED Panel This is the most positive voltage supply pin of the chip.It must be supplied externally.
24.	VLSS	P	Ground of Analog Circuit This is an analog ground pin. It should be connected to VSS externally.
25.	N.C. (GND)	-	Reserved Pin(Supporting Pin) The supporting pins can reduce the influences from stresses on the function pins. These pins must be connected to external ground.





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4. Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit	Notes
Supply Voltage for Logic	VDD	-0.3	4	V	1, 2
Supply Voltage for Display	VCC	0	15	V	1, 2
Operating Temperature	TOP	-40	+80	°C	-
Storage Temperature	TSTG	-40	+80	°C	-

Note 1: All the above voltages are on the basis of "VSS = 0V".

Note 2: When this module is used beyond the above absolute maximum ratings, permanent breakage of the module may occur. Also, for normal operations, it is desirable to use this module under the conditions according to Section 6 "Electrical Characteristics". If this module is used beyond these conditions, malfunctioning of the module can occur and the reliability of the module may deteriorate





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5. Electrical Characteristics

Item	Symbol	Condition	Min	Тур	Max	Unit
Supply Voltage for Logic	VDD	_	2.8	3.0	3.3	V
Supply Voltage for Display	VCC	_	11	12	13	V
Input High Volt.	VIH	_	0.8×VDD	_	VDDIO	V
Input Low Volt.	VIL	_	0	_	0.2×VDD	V
Output High Volt.	VOH	_	0.9×VDD	_	VDDIO	V
Output Low Volt.	VOL	_	0	_	0.1×VDD	V
50% Check Board operating Current	ICC	VCC=12V	5.8	6.0	7.5	mA





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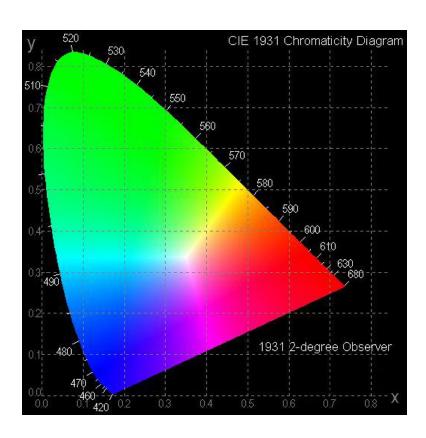
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6. Optical Characteristics

Item	Symbol	Condition	Min	Тур	Max	Unit
View Anale	(V)θ		160			deg
View Angle	(Η)φ		160 de	deg		
Contrast Ratio	CR	Dark	2000:1		_	_
Danas Time	T rise	_		10		μs
Response Time	T fall	_		10		μs
Display with 50% check E	Board Brightness	I	80	100		cd/m2
CIEx(Yellow)	(CIE1931)	0.45	0.47	0.49		
CIEy(Yellow)		(CIE1931)	0.48	0.50	0.52	







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7. OLED Lifetime

ITEM	Conditions	Min	Тур	Remark
Operating Life Time	Ta=25°C / Initial 50% check board brightness Typical Value	50,000 Hrs	_	Note

Notes:

- 1. Life time is defined the amount of time when the luminance has decayed to <50% of the initial value.
- 2. This analysis method uses life data obtained under accelerated conditions to extrapolate an estimated probability density function (*pdf*) for the product under normal use conditions.
- 3. Screen saving mode will extend OLED lifetime.





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8. Reliability

Content of Reliability Test

Environmental Test				
Test Item	Content of Test	Test Condition	Applicable Standard	
High Temperature	Endurance test applying the high storage	80°C		
storage	temperature for a long time.	240hrs		
Low Temperature storage	Endurance test applying the low storage temperature for a long time.	-40°C 240hrs		
High Temperature Operation	Endurance test applying the electric stress (Voltage & Current) and the thermal stress to the element for a long time.	80°C 240hrs		
Low Temperature Operation	Endurance test applying the electric stress under low temperature for a long time.	-40°C 240hrs		
High Temperature/ Humidity Storage	Endurance test applying the high temperature and high humidity storage for a long time.	60°С,90%RH 240hrs		
Temperature Cycle	Endurance test applying the low and high temperature cycle. -40°C 25°C 80°C 30min 5min 30min 1 cycle	-40°C/80°C 100 cycles		
Mechanical Test				
Vibration test	Endurance test applying the vibration during transportation and using.	10~22Hz→1.5mmp-p 22~500Hz→1.5G Total 0.5hr		
Shock test	Constructional and mechanical endurance test applying the shock during transportation.	50G Half sin wave 11 ms 3 times of each direction		
Atmospheric pressure test	Endurance test applying the atmospheric pressure during transportation by air.	115mbar 40hrs		
Others	,	'	- 1	
Static electricity test	Endurance test applying the electric stress to the terminal.	VS=±600V(contact), ±800v(air), RS=330 Ω CS=150pF 10 times		

^{***} Supply voltage for OLED system =Operating voltage at 25°C





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Test and measurement conditions

- 1. All measurements shall not be started until the specimens attain to temperature stability. After the completion of the described reliability test, the samples were left at room temperature for 2 hrs prior to conducting the failure test at 23±5°C; 55±15% RH.
- 2. All-pixels-on is used as operation test pattern.
- 3. The degradation of Polarizer are ignored for High Temperature storage, High Temperature/ Humidity Storage, Temperature Cycle

Evaluation criteria

- 1. The function test is OK.
- 2. No observable defects.
- 3. Luminance: > 50% of initial value.
- 4. Current consumption: within ± 50% of initial value.

APPENDIX:

RESIDUE IMAGE

Because the pixels are lighted in different time, the luminance of active pixels may reduce or differ from inactive pixels. Therefore, the residue image will occur. To avoid the residue image, every pixel needs to be lighted up uniformly.





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9. Inspection specification

NO	Item	Criterion					AQL
01	Electrical Testing	defect. 1.2 Missing of the control o	 1.1 Missing vertical, horizontal segment, segment contrast defect. 1.2 Missing character, dot or icon. 1.3 Display malfunction. 1.4 No function or no display. 1.5 Current consumption exceeds product specifications. 1.6 OLED viewing angle defect. 1.7 Mixed product types. 1.8 Contrast defect. 				
02	Black or white spots on OLED (display only)	than three wl	2.1 White and black spots on display ≤0.25mm, no more than three white or black spots present. 2.2 Densely spaced: No more than two spots or lines within 3mm				
03	OLED black spots, white spots, contamination (non-display)	3.1 Round ty following dra Φ=(x+y)/	wing		SIZE $\Phi \le 0.10$ $0.10 < \Phi \le 0.20$ $0.20 < \Phi \le 0.25$ $0.25 < \Phi$	Acceptable Q TY Accept no dense 2	2.5
		3.2 Line type	: (As follo	win	g drawing)		
		alt i	Length		dth	Acceptable Q TY	
		→ /¥w		W	≦0.02	Accept no dense	
		-	L≦3.0	0.0	$02 < W \le 0.03$	0	2.5
		i.	L≦2.5	0.0	03 <w≦0.05< td=""><td>2</td><td></td></w≦0.05<>	2	
				0.0)5 <w< td=""><td>As round type</td><td></td></w<>	As round type	
04	Polarizer bubbles	If bubbles are judge using to spot specification for easy to find the check in specific direction.	olack ations, nd, must	Ф: 0.2 0.5 1.0	ze Φ \leq 0.20 20 < Φ \leq 0.50 50 < Φ \leq 1.00 00 < Φ tal Q TY	Acceptable Q TY Accept no dense 3 2 0 3	2.5





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NO	Item	Criterion	AQL				
05	Scratches	Follow NO.3 OLED black spots, white spots, contamination					
		Symbols Define: x: Chip length y: Chip width z: Chip thickness k: Seal width t: Glass thickness a: OLED side length L: Electrode pad length:					
		6.1 General glass chip : 6.1.1 Chip on panel surface and crack between panels:					
06	Chipped		2.5				
	glass	$1/2t < z \le 2t$ Not exceed $1/3k$ $x \le 1/8a$					
		 ⊙ If there are 2 or more chips, x is total length of each chip. 6.1.2 Corner crack: z: Chip thickness y: Chip width x: Chip length 					
		Z≤1/2t Not over viewing x≤1/8a					
		area $1/2t < z \le 2t$ Not exceed $1/3k$ $x \le 1/8a$					
		\bigcirc If there are 2 or more chips, x is the total length of each chip.					
		on there are 2 or more emps, x is the total length of each emp.					





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NO	Item	Criterion	AQL
		Symbols: x: Chip length y: Chip width z: Chip thickness k: Seal width t: Glass thickness a: OLED side length L: Electrode pad length 6.2 Protrusion over terminal: 6.2.1 Chip on electrode pad:	
		Tu Chin width au Chin Inneth Tu Chin thickness	
		$\begin{array}{ c c c c c }\hline y: Chip \ width & x: Chip \ length & z: Chip \ thickness \\\hline y \le 0.5 mm & x \le 1/8 a & 0 < z \le t \\\hline \end{array}$	
		6.2.2 Non-conductive portion:	
06	Glass crack	y 12 x 12	2.5
		y: Chip width x: Chip length z: Chip	
		$y \le L$ $x \le 1/8a$ $0 < z \le t$	
		○If the chipped area touches the ITO terminal, over 2/3 of the ITO	
		must remain and be inspected according to electrode terminal	
		specifications. If the product will be heat sealed by the customer, the alignment	
		mark not be damaged.	
		6.2.3 Substrate protuberance and internal crack.	
		y: width x: length	
		$y \le 1/3L$ $x \le a$	
		y W	
		3.50 m	
	<u>i</u>	l	





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NO	Item	Criterion	AQL
07	Cracked glass	The OLED with extensive crack is not acceptable.	2.5
08	Backlight elements	 8.1 Illumination source flickers when lit. 8.2 Spots or scratched that appear when lit must be judged. Using OLED spot, lines and contamination standards. 8.3 Backlight doesn't light or color wrong. 	0.65 2.5 0.65
09	Bezel	9.1 Bezel may not have rust, be deformed or have fingerprints, stains or other contamination.9.2 Bezel must comply with job specifications.	2.5 0.65
10	PCB、COB	 10.1 COB seal may not have pinholes larger than 0.2mm or contamination. 10.2 COB seal surface may not have pinholes through to the IC. 10.3 The height of the COB should not exceed the height indicated in the assembly diagram. 10.4 There may not be more than 2mm of sealant outside the seal area on the PCB. And there should be no more than three places. 10.5 No oxidation or contamination PCB terminals. 10.6 Parts on PCB must be the same as on the production characteristic chart. There should be no wrong parts, missing parts or excess parts. 10.7 The jumper on the PCB should conform to the product characteristic chart. 10.8 If solder gets on bezel tab pads, OLED pad, zebra pad or screw hold pad, make sure it is smoothed down. 	2.5 2.5 0.65 2.5 2.5 0.65 2.5
11	Soldering	 11.1 No un-melted solder paste may be present on the PCB. 11.2 No cold solder joints, missing solder connections, oxidation or icicle. 11.3 No residue or solder balls on PCB. 11.4 No short circuits in components on PCB. 	2.5 2.5 2.5 0.65





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NO	Item	Criterion	AQL
NO 12	General appearance	 12.1 No oxidation, contamination, curves or, bends on interface Pin (OLB) of TCP. 12.2 No cracks on interface pin (OLB) of TCP. 12.3 No contamination, solder residue or solder balls on product. 12.4 The IC on the TCP may not be damaged, circuits. 12.5 The uppermost edge of the protective strip on the interface pin must be present or look as if it cause the interface pin to sever. 12.6 The residual rosin or tin oil of soldering (component or chip component) is not burned into brown or black color. 12.7 Sealant on top of the ITO circuit has not hardened. 12.8 Pin type must match type in specification sheet. 12.9 OLED pin loose or missing pins. 	2.5 0.65 2.5 2.5 2.5 2.5 0.65 0.65 0.65
		12.10 Product packaging must the same as specified on packaging specification sheet. 12.11 Product dimension and structure must conform to	0.65
		product specification sheet.	



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Check Item	Classification	Criteria
No Display	Major	
Missing Line	Major	
Pixel Short	Major	
Darker Short	Major	
Wrong Display	Major	
Un-uniform B/A x 100% < 70% A/C x 100% < 70%	Major	A Normal B Dark Pixel C Light Pixel





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10. Precautions in use of OLED Modules

Modules

- (1) Avoid applying excessive shocks to module or making any alterations or modifications to it.
- (2)Don't make extra holes on the printed circuit board, modify its shape or change the components of OLED display module.
- (3)Don't disassemble the OLED display module.
- (4)Don't operate it above the absolute maximum rating.
- (5)Don't drop, bend or twist OLED display module.
- (6) Soldering: only to the I/O terminals.
- (7) Storage: please storage in anti-static electricity container and clean environment.
- (8)It's pretty common to use "Screen Saver" to extend the lifetime and Don't use fix information for long time in real application.
- (9)Don't use fixed information in OLED panel for long time, that will extend "screen burn" effect time..
- (10)ELECTRONIC ASSEMBLY has the right to change the passive components, including R2and R3 adjust resistors. (Resistors, capacitors and other passive components will have different appearance and color caused by the different supplier.)
- (11) ELECTRONIC ASSEMBLY have the right to change the PCB Rev. (In order to satisfy the supplying stability, management optimization and the best product performance...etc, under the premise of not affecting the electrical characteristics and external dimensions, ELECTRONIC ASSEMBLY have the right to modify the version.)

10.1. Handling Precautions

- (1) Since the display panel is being made of glass, do not apply mechanical impacts such us dropping from a high position.
- (2) If the display panel is broken by some accident and the internal organic substance leaks out, be careful not to inhale nor lick the organic substance.
- (3) If pressure is applied to the display surface or its neighborhood of the OLED display module, the cell structure may be damaged and be careful not to apply pressure to these sections.
- (4) The polarizer covering the surface of the OLED display module is soft and easily scratched. Please be careful when handling the OLED display module.
- (5) When the surface of the polarizer of the OLED display module has soil, clean the surface. It takes advantage of by using following adhesion tape.
 - * Scotch Mending Tape No. 810 or an equivalent

Never try to breathe upon the soiled surface nor wipe the surface using cloth containing solvent such as ethyl alcohol, since the surface of the polarizer will become cloudy.

Also, pay attention that the following liquid and solvent may spoil the polarizer:

- * Water
- * Ketone
- * Aromatic Solvents
- (6) Hold OLED display module very carefully when placing OLED display module into the System housing. Do not apply excessive stress or pressure to OLED display module. And, do





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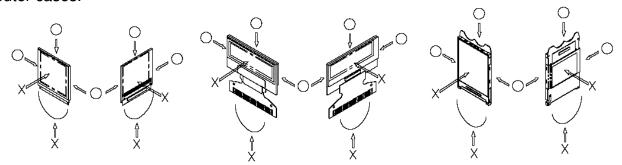
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not over bend the film with electrode pattern layouts.

These stresses will influence the display performance. Also, secure sufficient rigidity for the outer cases.



- (7) Do not apply stress to the LSI chips and the surrounding molded sections.
- (8) Do not disassemble nor modify the OLED display module.
- (9) Do not apply input signals while the logic power is off.
- (10) Pay sufficient attention to the working environments when handing OLED display modules to prevent occurrence of element breakage accidents by static electricity.
- * Be sure to make human body grounding when handling OLED display modules.
- * Be sure to ground tools to use or assembly such as soldering irons.
- * To suppress generation of static electricity, avoid carrying out assembly work under dry environments.
- * Protective film is being applied to the surface of the display panel of the OLED display module. Be careful since static electricity may be generated when exfoliating the protective film.
- (11) Protection film is being applied to the surface of the display panel and removes the protection film before assembling it. At this time, if the OLED display module has been stored for a long period of time, residue adhesive material of the protection film may remain on the surface of the display panel after removed of the film. In such case, remove the residue material by the method introduced in the above Section 5.
- (12) If electric current is applied when the OLED display module is being dewed or when it is placed under high humidity environments, the electrodes may be corroded and be careful to avoid the above.

10.2. Storage Precautions

(1) When storing OLED display modules, put them in static electricity preventive bags avoiding exposure to direct sun light nor to lights of fluorescent lamps. and, also, avoiding high temperature and high humidity environment or low temperature (less than 0°C) environments.

(We recommend you to store these modules in the packaged state when they were shipped from ELECTRONIC ASSEMBLY.

At that time, be careful not to let water drops adhere to the packages or bags nor let dewing occur with them.

(2) If electric current is applied when water drops are adhering to the surface of the OLED display module, when the OLED display module is being dewed or when it is placed under high humidity environments, the electrodes may be corroded and be careful about the above.

10.3. Designing Precautions



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- (1) The absolute maximum ratings are the ratings which cannot be exceeded for OLED display module, and if these values are exceeded, panel damage may be happen.
- (2) To prevent occurrence of malfunctioning by noise, pay attention to satisfy the VIL and VIH specifications and, at the same time, to make the signal line cable as short as possible.
- (3) We recommend you to install excess current preventive unit (fuses, etc.) to the power circuit (VDD). (Recommend value: 0.5A)
- (4) Pay sufficient attention to avoid occurrence of mutual noise interference with the neighboring devices.
- (5) As for EMI, take necessary measures on the equipment side basically.
- (6) When fastening the OLED display module, fasten the external plastic housing section.
- (7) If power supply to the OLED display module is forcibly shut down by such errors as taking out the main battery while the OLED display panel is in operation, we cannot guarantee the quality of this OLED display module.
- * Connection (contact) to any other potential than the above may lead to rupture of the IC.

10.4. Precautions when disposing of the OLED display modules

1) Request the qualified companies to handle industrial wastes when disposing of the OLED display modules. Or, when burning them, be sure to observe the environmental and hygienic laws and regulations.

10.5. Other Precautions

- (1) When an OLED display module is operated for a long of time with fixed pattern may remain as an after image or slight contrast deviation may occur.
- Nonetheless, if the operation is interrupted and left unused for a while, normal state can be restored. Also, there will be no problem in the reliability of the module.
- (2) To protect OLED display modules from performance drops by static electricity rapture, etc., do not touch the following sections whenever possible while handling the OLED display modules.
- * Pins and electrodes
- * Pattern layouts such as the TCP & FPC
- (3) With this OLED display module, the OLED driver is being exposed. Generally speaking, semiconductor elements change their characteristics when light is radiated according to the principle of the solar battery. Consequently, if this OLED driver is exposed to light, malfunctioning may occur.
- * Design the product and installation method so that the OLED driver may be shielded from light in actual usage.
- * Design the product and installation method so that the OLED driver may be shielded from light during the inspection processes.
- (4) Although this OLED display module stores the operation state data by the commands and the indication data, when excessive external noise, etc. enters into the module, the internal status may be changed. It therefore is necessary to take appropriate measures to suppress noise generation or to protect from influences of noise on the system design.
- (5) We recommend you to construct its software to make periodical refreshment of the operation statuses (re-setting of the commands and re-transference of the display data) to cope with catastrophic noise.



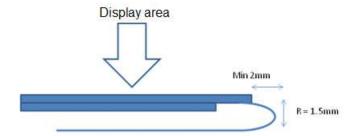


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- (6)Resistors, capacitors and other passive components will have different appearance and color caused by the different supplier.
- (7)Our company will has the right to upgrade and modify the product function.
- (8) The limitation of FPC bending







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11. Initialization example

```
Global variables
uint8 t buf[20];
                       //SPI buffer
/***********************************
Function name: initW096064
Description: Initialization of the display
void initW096064(void){
     uint16 t i = 0;
   PORT5.PODR.BIT.B5 = 0;
                               //Reset pin low
   ms_delay(100);
                          //100ms delay
   PORT5.PODR.BIT.B5 = 1;
                               //Reset pin high
   ms delay(100);
                           //100ms delay
   buf[i++] = 0x40 + 0;
                         //set display start line to 0
   buf[i++] = 0xA6;
                          //set normal display mode
   buf[i++] = 0x81; buf[i++] = 0x7F; //Set contrast to 0x7F (default)
   buf[i++] = 0xD5; buf[i++] = 0x40; //clock divider/oscillator frequency
   buf[i++] = 0xD9; buf[i++] = 0x44; //pre-charge Period
   buf[i++] = 0xA1; //set segment remap (col. 131 to SEG0)
   buf[i++] = 0xC8; //set COM output scan direction (COM[n~1] to COM0)
   buf[i++] = 0xAF; //Display on
   waitforemptybuffer();
                         //Waits until SPI <u>buffer</u> is <u>empty</u>
   PORT5.PODR.BIT.B4 = 0;
                               //D/C# pin low
   R_RSPI0_Send(buf,i);
                         //send initialization buffer via SPI
}
```





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```
/***********************************
Function name: initWindow
Description: Initialization of the window in horizontal addressing mode
*******************************
void initWindow(uint8_t startcol, uint8_t stopcol, uint8_t startpage, uint8_t stoppage){
     uint16_t i = 0;
                  //set memory addressing mode ...
   buf[i++] = 0x20;
   buf[i++] = 0x00;
                       //... to horizontal addressing mode
                       //set column address
   buf[i++] = 0x21;
   buf[i++] = 18+startcol; //start address
   buf[i++] = 18+stopcol;
                       //end address
   buf[i++] = 0x22;
                       //set page address
   buf[i++] = startpage;
                       //start page
   buf[i++] = stoppage;
                        //stop page
   waitforemptybuffer();  //waits until SPI buffer is empty
   PORT5.PODR.BIT.B4 = 0;
                       //set D/C# pin low
   R_RSPI0_Send(buf,i);
                        //send data buffer via SPI
}
/**********************************
Function name: sendDataW096064
Description: Sends data to the display (Initialization of the window before sending data to
the display -> initWindow()
**************************************
void sendDataW096064(const uint8_t *tx_buf, uint16_t tx_num){
   //D/C# pin high
//send data buffer
   R_RSPI0_Send(tx_buf,tx_num);
}
```