

Mechanical Data

Item	Standard Value	Unit
Module Dimension	93.0x70.0	mm
Viewing Area	72.0x40.0	mm
Mounting hole	88.0x65.0	mm
Dot Pitch	0.52x0.52	mm

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	4.75	5.0	5.25	V
Input Voltage	VI	-0.3	---	VDD	V

Note : VSS=0 Volt, VDD=5.0 Volt.

Electrical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	L level	0.7VDD	---	VDD	V
	VIO	H level	0	---	0.3VDD	V
Supply Current	IDD	VDD=5V	---	3.6	3.9	mA
Recommended LC Driving Voltage for Normal Temp. Version module	Vo-Vss	-20°C	7.1	7.6	8.1	V
		0°C	---	---	---	
		25°C	6.1	6.6	7.1	
		50°C	---	---	---	
LED Forward Voltage	VF	25°C	---	4.2	4.6	V
		---	---	330	660	
LED Forward Current	IF	25°C	---	330	660	
EL	IEL	Vel=110VAC;400Hz	---	---	5.0	mA

Display Character Address Code:

Display position

DD RAM Address	1	2	3	4	5	6	7	8	9	10	11	12	13	---	16
DD RAM Address	80	81													8F
DD RAM Address	90	91													9F
DD RAM Address	A0	A1													AF
DD RAM Address	B1	B0													BF

Feature

- Character mode:
Display BIG5 or GB Chinese font(16x16dots)
and ASCII code (8x16dots)
- Graphic mode:128x64dots
- Built-in controller(ST7920)
- +5V power supply
- 1/32 duty cycle
- LED can be driven by A and K
- N.V. option

Pin NO.	Symbol	Function
1	Vss	GND
2	Vdd	Power supply (+5V)
3	V0	Positive voltage input for LCD
4	RS	Register select signal
5	R/W	Data read/write
6	E	H→L Enable signal
7	DB0	Data bus line
8	DB1	Data bus line
9	DB2	Data bus line
10	DB3	Data bus line
11	DB4	Data bus line
12	DB5	Data bus line
13	DB6	Data bus line
14	DB7	Data bus line
15	A	Power supply for B/L
16	K	Power supply for B/L
17	RST	Reset LCD module
18	Vout	Positive Voltage output

Graphic type

RG12864A2 Graphic 128x64 dots

Dimension drawing

