

Feature

- 1. COB with metal frame
- 2. Built-in controller ST7920
- 3. +5V single power supply
- 4. 1/32 duty cycle
- 5. Option: +3V single power supply
- 6. Option: LED B/L Display mode
- Dot matrix (160x32 dots), Chinese Big5 or GB (16x16 dots), ASCII(8x16 dots)

Mechanical Data

Item	Standard Value	Unit
Module Dimension	116.0 x 37.0	mm
Viewing Area	85.0 x 18.6	mm
Dot Size	0.45 x 0.45	mm
Dot Pitch	0.5 x 0.5	mm



Pin Assignment

Pin	Symbol	Function
1	Vss	GND
2	Vdd	+5V(+3V option)
3	Vo	Contrast adjustment
4	RS	H/L register select signal
5	R/W	read/write signal
6	E	H-->L enable singal
7~14	DB0~7	H/L bus line
15	A/Vee	Power supply for B/L (+)/ Positive voltage output
16	K	Power supply for B/L (GND)

Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd = +5V	5.0	V
Supply Current	Idd	Vdd = +5V	5.0	mA
LCD Driving Voltage	Vo-Vss	25°C	4.5	V
LED Forward Voltage(yellow-green)	Vf	25°C	4.2	V
LED Forward Current	If	25°C	220	mA

Dimension

