

Feature

1. COB with metal frame
2. Built-in controller ST7920
(128x64 dots matrix mode or 16x16 dots Big5/GB Chinese mode, or 8x16 dots ASCII mode)
3. +5V single power supply
4. 1/32 duty cycle
5. Option: +3.3V single power supply
6. Option: LED edge B/L

Mechanical Data

Item	Standard Value	Unit
Module Dimension	84.0 x 44.0	mm
View Area	66.0 x 16.0	mm
Dot Size	0.37 x 0.37	mm
Dot Pitch	0.42 x 0.42	mm



Pin Assignment

Pin	Symbol	Function
1	Vss	GND
2	Vdd	+5V (+3.3V option)
3	V0	Contrast adjustment.
4	RS	H/L register select signal
5	R/W	H→L Read/Write signal
6	E	H→L enable signal
7~14	DB0~7	Data bit 0
15	A	Power supply for B/L (+)
16	K	Power supply for B/L (GND)

Electronic Characteristics

Item	Symbol	Condition	Value	Unit
Input Voltage	Vdd		5.0	V
Supply Current	Idd	Vdd=5V	5	mA
LCD Driving Voltage	Vdd-V0	25°C	5.0	V
LED forward Voltage	VF	25°C	3.3	V
LED forward Current	IF	25°C	30	mA

Dimension

