

Feature

- 1. SMT PCB with metal frame
- 2. Built-in controller RA8835
- 3. +5V single power supply
- 4. 1/240 duty cycle
- 5. Option: LED edge B/L
- 6. Option: +3V single power supply
- 7. Option: negative voltage (built-in, external)
- 8. Option: touch panel



Mechanical Data

Item	Standard Value	Unit
Module Dimension	166.8 x 109.0	mm
Viewing Area	122.0 x 92.0	mm
Dot Size	0.34 x 0.34	mm
Dot Pitch	0.36 x 0.36	mm

Pin Assignment

Pin	Symbol	Function
1	Vss	Power supply (GND)
2	Vdd	+5V(+3V option)
3	Vo	Contrast Adjustment
4	Ao	Data type select
5	/WR(R/W)	80s: write signal 68s:R/W signal
6	/RD(E)	80s: read signal 68s: enable clock
7~14	DB0-7	Data bus line
15	/CS	Chip select
16	/RST	Reset signal
17	Vee	Negative voltage output(-21.3)
18	SEL	uP select (H:68 series L:80 series)
19	FGND	Frame Ground
20	NC	No connection

Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd = +5V	5.0	V
Supply Current	Idd	Vdd = +5V	70	mA
LCD Driving Voltage	Vdd-Vo	25°C	23.9	V
LED Forward Voltage (White)	Vf	25°C	3.5	V
LED Forward Current	If	25°C	160	mA

Dimension

