

Feature

- 1. SMT PCB with metal frame
- 2. Built-in controller RA8835
- 3. +5V power supply
- 4. 1/240 duty cycle
- 5. Option: LED edge/white B/L
- 6. Option: negative voltage (built-in, external)
- 7. Option: touch panel
- 8. Option: 80 Series MPU interfance
- 9. Option: +3V signal power supply

Mechanical Data

Item	Standard Value	Unit
Module Dimension	139.98 x 120.24	mm
Viewing Area	120.14 x 92.14	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	E	Enable signal
5	R/W	Read /write signal
6	Ao	Data / instruction
7~14	DB0-7	Data bus line
15	/CS	Chip select
16	/RST	Reset signal
17	Vee	Negative voltage output -25V
18	FGND	Frame Ground
19	NC	No connection
20	/DISP OFF	Display off

Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd = +5V	5.0	V
Supply Current	Idd	Vdd = +5V	100	mA
LCD Driving Voltage	Vdd-Vo	25°C	23.8	V
LED Forward Voltage (White)	Vf	25°C	3.5	V
LED Forward Current	If	25°C	160	mA

Dimension

