

Feature

1. SMT PCB with metal frame
2. Built-in controller **UCi6963c** or equivalent
3. 1/128 duty cycle
4. Option: negative voltage
5. Option: LED B/L



Mechanical Data

Item	Standard Value	Unit
Module Dimension	170.0 x 103.5	mm
Viewing Area	132.0 x 76.0	mm
Dot Size	0.47 x 0.47	mm
Dot Pitch	0.5 x 0.5	mm

Pin Assignment

Pin	Symbol	Function
1	FGND	Frame GND
2	Vss	Power supply(GND)
3	Vdd	Power supply for logic(+5V)
4	Vo	Contrast adjustment
5	/WR	Data write
6	/RD	Data read
7	/CE	Chip enable
8	C/D	Code/Data
9	NC/Vee	No connection/Negative voltage output -16.0V
10	/RST	Controller reset
11~18	DB0-7	Data bus line
19	FS	Font selection (H: 6x8, L:8x8)
20	RV	Reverse (H: reverse L: normal)

Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd = +5V	5.0	V
Supply Current	Idd	Vdd = +5V	50	mA
LCD Driving Voltage	Vdd-Vo	25°C	18.7	V

Dimension

