

Feature

1. SMT PCB with metal frame
2. Built-in controller T6963C
3. 1/128 duty cycle
4. +5V power supply
5. Option: negative voltage
6. Option: temperature compensation
7. Option: CCFL, LED, edge LED, EL B/L

Mechanical Data

Item	Standard Value	Unit
Module Dimension	144.0 x 104.0	mm
Viewing Area	114.0 x 64.0	mm
Dot Size	0.4 x 0.4	mm
Dot Pitch	0.45 x 0.45	mm

Pin Assignment

Pin	Symbol	Function
1	Vss	Power supply (GND)
2	Vdd	Power supply(+5V)
3	Vo	Contrast adjustment
4	C/D	Command/data read/write
5	RD	Data read
6	WR	Data write
7~14	DB0~7	Data bus line
15	CE	Chip enable
16	RST	Reset signal
17	Vee	Negative voltage output
18	MD2	Column No. select (H:32 columns, L:40 columns)
19	FS	Font select (H: 6x8, L:8x8)
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	6.0	mA
LCD Driving Voltage	Vdd - Vo	25°C	19.0	V
LED Forward Voltage	Vf	25°C	4.2	V
LED Forward Current	If	25°C	900	mA

Dimension

