

HTM4004B Series

Display Feature

Item	Value
Structure	COB With Metal Frame
LCD Display Mode	DFSTN, Negative, Transflective, 6H
Driving Method	1/16 duty, 1/5 bias
Backlight	White LED Backlight
Control IC	S6A0069 or Equivalent

Mechanical Data (unit : mm)

Item	Value
Outline	190.0 x 54.0 x 14.9Max.
Viewing Area	147.0 x 29.5
Active Area	140.47 x 23.18
Dot Pitch	0.57 x 0.62
Dot Size	0.5 x 0.55

Absolute Maximum

Item	MIN.	MAX.
Operating Voltage(V)	0	6.0
Operating Temperature(°C)	-20	+70
Storage Temperature(°C)	-30	+80

Electrical Characteristics

Item	Symbol	MIN.	TYP.	MAX.
Operating Voltage(V)	V _{DD}	4.7	5.0	5.3
Input High Voltage(V)	V _{IH}	0.7V _{DD}	-	V _{DD}
Input Low Voltage(V)	V _{IL}	V _{SS}	-	0.5
Operating Current(mA)	I _{DD}	-	1.0	3.0
Forward Voltage(V)	V _f BL	-	5.0	-
Forward Current(mA)	I _f BL	-	60	80

Various LCD Type Available

Various Backlight Color Available

Terminal Functions

No	Pin Name	Descriptions
1	VSS	Negative Power Supply, (0V)
2	VDD	Positive Power Supply
3	V0	LCD Contrast Reference Supply
4	RS	Register Select
5	R/W	Read/Write Control Bus
6	NC	No Connection
7	E1	Data Enable
8	E2	Data Enable
9	DB0	Data Bus Line
:	:	
16	DB7	
17	BLA	Backlight Positive Supply
18	BLK	Backlight Negative Supply

Outline Drawing

