

TSM12864-6 Series

Display Feature

Item	Value
Structure	COB With Metal Frame
LCD Display Mode	STN-Blue, Negative, Transmissive
Viewing Angle	6H
Driving Method	1/64 duty, 1/9 bias
Backlight	White LED Backlight
Control IC	T6963C



Mechanical Data

Item	Value
Outline	78.0 x 70.0 x 13.2Max.
Viewing Area	62.0 x 44.0
Active Area	56.27 x 38.35
Dot Pitch	0.39 x 0.55
Dot Size	0.44 x 0.6

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}	4.5	5.0	5.5
Input High Voltage(V)	V _{IH}	0.9V _{DD}	-	V _{DD}
Input Low Voltage(V)	V _{IL}	V _{SS}	-	0.3V _{DD}
Operating Current(mA)	I _{DD}	-	6.0	8.0
Forward Voltage(V)	V _f BL	-	5.0	-
Forward Current(mA)	I _f BL	-	90	120

Terminal Function

No.	Pin Name	Descriptions
1	FG	Frame Ground
2	VSS	Negative Power Supply, (0V)
3	VDD	Positive Power Supply
4	V0	LCD Contrast Reference Supply
5	/WR	Write Signal
6	/RD	Read Signal
7	/CE	Chip Enable
8	C/D	Command / Data Selection
9	/RST	Reset Signal
10	DB0	Data Bus Line
:	:	
17	DB7	
18	FS	Font Selection
19	BLA	Backlight Power Supply Anode
20	BLK	Backlight Power Supply Cathode

Outline Drawing

