TSM19264A Series

Display Feature

Item	Value
Structure	COB With Metal Frame
LCD Display Mode	STN-YG, Positive, Transflective
Viewing Angle	6H
Driving Method	1/64 duty, 1/9 bias
Backlight	Y/G LED Backlight
Control/Driver IC	S6B0107/S6B0108

Mechanical Data

Item	Value
Outline	130.0 x 65.0 x 13.5Max.
Viewing Area	103.92 x 38.94
Active Area	97.486 x 32.462
Dot Pitch	0.508 x 0.508
Dot Size	0.458 x 0.458

Absolute Maximum

Item	MIN.	MAX.
Operating Voltage(V)	0	6.0
Operating Temperature(℃)	0	+50
Storage Temperature(℃)	-10	+60

Electrical Characteristics

Item	Symbol	MIN.	TYP.	MAX
Operating Voltage(V)	V_{DD}	4.5	5.0	5.5
Input High Voltage(V)	V_{IH}	$0.7V_{DD}$	-	V_{DD}
Input Low Voltage(V)	V_{IL}	Vss	-	$0.3V_{DD}$
Operating Current(mA)	I_{DD}	-	3.0	5.0
Forward Voltage(V)	V_f BL	-	5.0	-
Forward Current(mA)	I_f BL	-	30	60

Terminal Function

No.	Pin Name	Descriptions
1	VSS	Power Supply, (0V)
2	VDD	Positive Power Supply
3	V0	LCD Contrast Reference Supply
4	RS	Register Select
5	R/W	Read/write Signal
6	E	Data Enable
7	DB0	
:	:	Data Bus Line
14	DB7	
15	/CS1	Chip Enable (left-half panel)
16	/RST	Reset Signal
17	/CS2	Chip Enable (middle-half panel)
18	/CS3	Chip Enable (right-half panel)
19	Vout	Negative voltage output for LCD
20	BLA	Backlight Power Supply Anode

Outline Drawing