

TSG12864D Series

Display Feature

Item	Value
Structure	COG
LCD Display Mode	STN-YG, Positive, Transflective
Viewing Angle	6H
Driving Method	1/64 duty, 1/9 bias
Backlight	Nil
Control/Driver IC	ST7565R



Mechanical Data

Item	Value
Outline	31.0 x 27.0 x 1.7Max.
Viewing Area	28.0 x 18.0
Active Area	25.964 x 15.02
Dot Pitch	0.203 x 0.235
Dot Size	0.183 x 0.215

Absolute Maximum

Item	MIN.	MAX.
Operating Voltage(V)	0	3.6
Operating Temperature(°C)	-10	+60
Storage Temperature(°C)	-20	+70

Electrical Characteristics

Item	Symbol	MIN.	TYP.	MAX.
Operating Voltage(V)	V _{DD}	2.7	3.0	3.3
Input High Voltage(V)	V _{IH}	0.8V _{DD}	-	V _{DD}
Input Low Voltage(V)	V _{IL}	V _{SS}	-	0.2V _{DD}
Operating Current(mA)	I _{DD}	-	-	3.0
Forward Voltage(V)	V _f BL	-	-	-
Forward Current(mA)	I _f BL	-	-	-

Terminal Function

No.	Pin Name	Descriptions	No.	Pin Name	Descriptions
1	VDD	Positive Power Supply	14	Vout	Voltage converter input/output
2	C86	80/68 Interface selection	15	VSS	Power supply (GND)
3	VSS	Power Supply (GND)	16~23	DB7-DB0	Data Bus lines
4~8	V0~V4	LCD driver supply voltage	24	E	Enable clock
9	C2+	Capacitor positive connection	25	R/W	Read/write signal
10	C2-	Capacitor negative connection	26	A0	Register selection
11	C1+	Capacitor positive connection	27	/RES	Reset signal
12	C1-	Capacitor negative connection	28	/CS1	Chip enable
13	C3+	Capacitor positive connection	-	-	-

Outline Drawing

