HTG12864C Series

🍃 Display Feature

Item	Value
Structure	COG
LCD Display Mode	FSTN, Positive, Transflective
Viewing Angle	6H
Driving Method	1/64 duty, 1/9 bias
Backlight	Nil
Control/Driver IC	ST7565P

🍃 Mechanical Data

Item	Value
Outline	39.0 x 31.1 x 1.9Max.
Viewing Area	36.0 x 23.5
Active Area	33.26 x 20.46
Dot Pitch	0.26 x 0.32
Dot Size	0.23 x 0.29

🍃 Absolute Maximum

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

🍃 Electrical Characteristics

Item	Symbol	MIN.	TYP.	MAX
Operating Voltage(V)	VDD	2.7	3.0	3.3
Input High Voltage(V)	VIH	$0.8V_{DD}$	-	VDD
Input Low Voltage(V)	VIL	Vss	-	$0.2V_{DD}$
Operating Current(mA)	IDD	-	-	5.0
Forward Voltage(V)	Vf BL	-	-	-
Forward Current(mA)	If BL	-	-	-

🍃 Terminal Function

No.	Pin Name	Descriptions	No.	Pin Name	Descriptions
1	/CS1	Chip enable	17	C1-	Capacitor negative connection
2	/RES	Reset signal	18	C1+	Capacitor positive connection
3	A0	Command / data selection	19	C2+	Capacitor positive connection
4	WR(R/W)	Write signal	20	C2-	Capacitor negative connection
5	/RD(E)	Read signal	21~25	V4~V0	Drive supply voltage
6~13	DB0~DB7	Data bus lines	26	C86	80/68 interface selection
14	VSS	Power supply (GND)	27	P/S	Parallel / serial selection
15	V_{OUT}	Voltage converter input/output	28	VDD	Positive Power supply
16	C3+	Capacitor positive connection	-	-	-

🍃 Outline Drawing