



- NOTES:**
1. DISPLAY TYPE: FSTN
 2. VIEWING DIRECTION: 6 O'CLOCK
 3. POLARIZER MODE: REFLECTIVE/POSITIVE
 4. DRIVE METHOD: 1/65DUTY 1/9BIAS
 5. LCD DRIVING VOLTAGE: 10V
 6. LOGIC POWER SUPPLY VOLTAGE: 2.7-3.3V
 7. OPERATING TEMP: 0°C TO +50°C
 8. STORAGE TEMP: -20°C TO +70°C
 9. CONTROLLER IC: ST7865S
 10. CONNECTOR TYPE: COG+PFC

FEATURE

1. FSTN, Positive, Reflective
2. IC: SITRONIX ST7565S
3. 1/65Duty, 1/9Bias, 6 O'clock
4. Backlight: NA, Display dot: Dark Black, Background: White

Pin NO	Symbol	Pin NO	Symbol
1	VDD	16	VSS
2	P/S	17	D7(SI)
3	CLS	18	D6(SCL)
4	VDD	19-24	D5-D0
5-9	V5-V1	25	E(RD)
10	CAP2+	26	R/W(W/R)
11	CAP2-	27	A0
12	CAP1-	28	/RES
13	CAP1+	29	/CS1
14	CAP3+	30	CL
15	VOUT	19-24	D5-D0

MECHANICAL DATA		
Item	Standard Value	Unit
Module Dimension	84.5(W) × 68(H) × 2.1MAX(T)	mm
Viewing Area	80.5MIN(W) × 32.5MIN(H)	mm
Dot Size	0.43(W) × 0.43(H)	mm
Dot Pitch	0.45(W) × 0.45(H)	mm

ABSOLUTE MAXIMUM RATING					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Supply Voltage For Logic	VDD-VSS	2.7	—	3.3	V
Input Voltage	VIN	-0.3	—	VDD+0.3	V

ELECTRONICAL CHARACTERISTICS						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	V _{IH}	T _a =25°C	0.8VDD		VDD	V
	V _{IL}		VSS		0.2VDD	
Output	V _{OH}	I _{OUT} =0.1mA	0.8VDD	—	VDD	V
	V _{OL}	I _{OUT} =0.1mA	VSS	—	0.1VDD	
Current Consumption	I _{DD}	V _{IN} =VDD	—	0.56	1	mA
Supply Voltage For Logic	VDD-VSS	T _a =25°C	2.7	—	3.3	V
Supply Voltage For Logic	VDD-V5	T _a =25°C	9.5	10	10.5	V