



**Features:**

- Resolution: 102S\*64C Dots
- Duty ratio: 1/65
- LCD Option: FSTN
- Backlight option (H2/H1): None(-/1.9)
- Controller IC: ST7565S
- Serial interface
- Built-in components

Pin Assignment		
Pin No.	Symbol	Function
1	NC	No connection
2	NC	No connection
3	VDD	Power supply (+)
4	VSS	Ground
5	SID	D7 serial data input
6	SOLE	D6 serial clock input
7	RS	Display/ control data select
8	RESETB	Reset pin
9	CS1B	Chip select signal
10	VSS	Ground
11	VSS	Ground
12	VSS	Ground
13	NC	No connection
14	NC	No connection

Absolute Maximum Rating								
Item	Symbol	Condition	Min.	Max.	Units			
Supply for logic voltage	VDD-VSS	25°C	-0.3	5.0	V			
LCD driving supply voltage	VDD-VEE	25°C	-4.0	-13	V			
Input Voltage	VIN	25°C	-0.3	Vdd+0.3	V			
Electrical Characteristics								
Item	Symbol	Condition	Min.	Typical	Max.	Units		
Power supply voltage	VDD-VSS	25°C	-	3.0	-	V		
LCD operation voltage	VOP	Top	N	W	N	W	V	
		-20°C	-	-	-	-	V	
		0°C	-	-	-	-	V	
		25°C	-	9.8	10.0	-	10.2	V
		50°C	-	-	-	-	-	V
		70°C	-	-	-	-	V	
LCM current consumption (No B/L)	Idd	Vdd=3.0V	-	0.5	1.3	mA		