



**Features:**

- Duty ration: 1/16
- LCD option: TN
- Backlight option: None (-/2.7)
- Controller IC: S6A0072X

Pin Assignment		
1	VSS	Ground
2	Vdd	Power supply (+)
3	Vo	Contrast Adjust
4	RS	Register select signal
5	R/W	Data read/ write
6	E	Enable signal
7	DB0	Data bus
8	DB1	Data bus
9	DB2	Data bus
10	DB3	Data bus
11	DB4	Data bus
12	DB5	Data bus
13	DB6	Data bus
14	DB7	Data bus

Absolute Maximum Rating						
Item	Symbol	Condition	Min.	Max.	Units	
Supply for logic voltage	Vdd-Vss	25°C	-0.3	7	V	
LCD driving supply voltage	Vdd-Vee	25°C	-0.3	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	2.7	-	4.5	V
		Top	N	W	N	W
LCD operation voltage	Vop	-20°C	-	-	-	V
		0°C	-	-	-	V
		25°C	-	3.7	-	V
		50°C	-	-	-	V
		70°C	-	-	-	V
LCM current consumption (No B/L)	Idd	Vdd=5.0V	-	1.2	-	mA
Backlight current consumption	LED/edge	VB/L=4.2V	-	-	-	mA
	LED/array	VB/L=4.2V	-	-	-	mA