



**Features:**

- Resolution: 160S\*32C Dots
- Duty ratio:1/32
- LCD option: STN
- Backlight option(H2/H1mm): None/EL(5.0/9.5),LED(9.4/14.0)

**Optional:**

- PG16032XXX-BWH-X, GB code Chinese font (10 characters X 2 lines) available

Pin Assignment		
Pin no.	Symbol	Function
1	Ao	Command / data select
2	CS2	Chip select driver 2
3	CS1	Chip select driver 1
4	$\overline{RD}$	Data read
5	$\overline{WR}$	Data write
6	Vdd	Power supply(+)
7	Vss	Power supply(GND)
8-15	DB0-DB7	Data bus line
16	RES	Reset
17	Vee	Contrast adjust
18	N.C	No Connection
19	N.C	No Connection
20	N.C	No Connection

Absolute Maximum Rating									
Item	Symbol	Condition	Min.	Max.	Units				
Supply for logic voltage	Vdd-Vss	25°C	-0.3	8.0	V				
LCD driving supply voltage	Vdd-Vee	25°C	-0.3	16.5	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	-	5.5	V			
		Top	N	W	N	W	N	W	V
LCD operation voltage	Vop	-20°C	-	6.4	-	6.8	-	7.4	V
		0°C	-	-	-	-	-	-	V
		25°C	-	5.8	-	6.2	-	6.8	V
		50°C	-	-	-	-	-	-	V
		70°C	-	5.3	-	5.7	-	6.3	V
LCM current consumption (No B/L)	Idd	Vdd=5V	-	1	2.5	mA			
Backlight current consumption	LED/edge	VB/L=4.2V	-	-	-	mA			
	LED/array	VB/L=4.2V	-	300	-	mA			

