





PIN NUMBER	SYMBOL	FUNCTION
1	GND	0V power supply
2	VPP	Input voltage for LCD
3	VDD	5V power supply
4	RS	Register select
5	RW	Read / Write select
6	E	Chip enable
7	DB4	Data bus
8	DB5	
9	DB6	
10	DB7	
*11	A	Backlight supply terminal (+)
*12	K	Backlight supply terminal (-)

NOTE (\*): Pin (11) (12) is used for backlight version only

TOLERANCE IF NOT SPECIFY ±0.5mm		SCALE NOT ON SCALE	UNIT IN mm	CLOVER CHINA DISPLAY (SHENZHEN) LTD.		SHEET 2 OF 3
REV. 00	REVISION RECORD 1st ISSUE		DATE 28 FEB 12	CUSTOMER APPROVED	MODEL NO. ZCG9162P	TITLE: PINOUT & BLOCK DIAGRAM
				AGENT APPROVED		DRAWN BY: D.Q DATE :01 MAR 12
						CHECKED BY: LinShao DATE :01 MAR 12
						APPROVED BY: <i>[Signature]</i> DATE : 6/3/12
				OUR REF. ZX90909X		
				CUSTOMER REF.		

### 1. General specification

Display mode : 16 characters x 2 lines COG LCD module  
 Interface : 4 bit parallel  
 Driving method : 1/16 duty, 1/5 bias

### 2. Electrical specification

Supply voltage for logic(VDD) : 5.0V  
 Supply voltage for (VPP-VSS) : 4.5V

### 3. Backlight specification

Backlight type : Side-lited LED  
 Backlight color : White  
 Backlight voltage : 3.1V@30mA

### 4. Mechanical specification

Viewing area[mm] : 43.9(L)x10.0(W)  
 Module dimension[mm] : 48.2(L)x21.0(W)x2.9max(H1)(no backlight)  
 Module dimension[mm] : 48.2(L)x21.0(W)x6.8max(H2)(backlight)

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REV.	REVISION RECORD			APPROVED	MODEL NO.	ZCG9162P
00	1st ISSUE		DATE	APPROVED	TITLE:	SPECIFICATION
			28 FEB 12	APPROVED	DRAWN BY:	D.Q DATE : 01 MAR 12
				06 Mar 12	CHECKED BY	LinShao DATE : 01 MAR 12
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