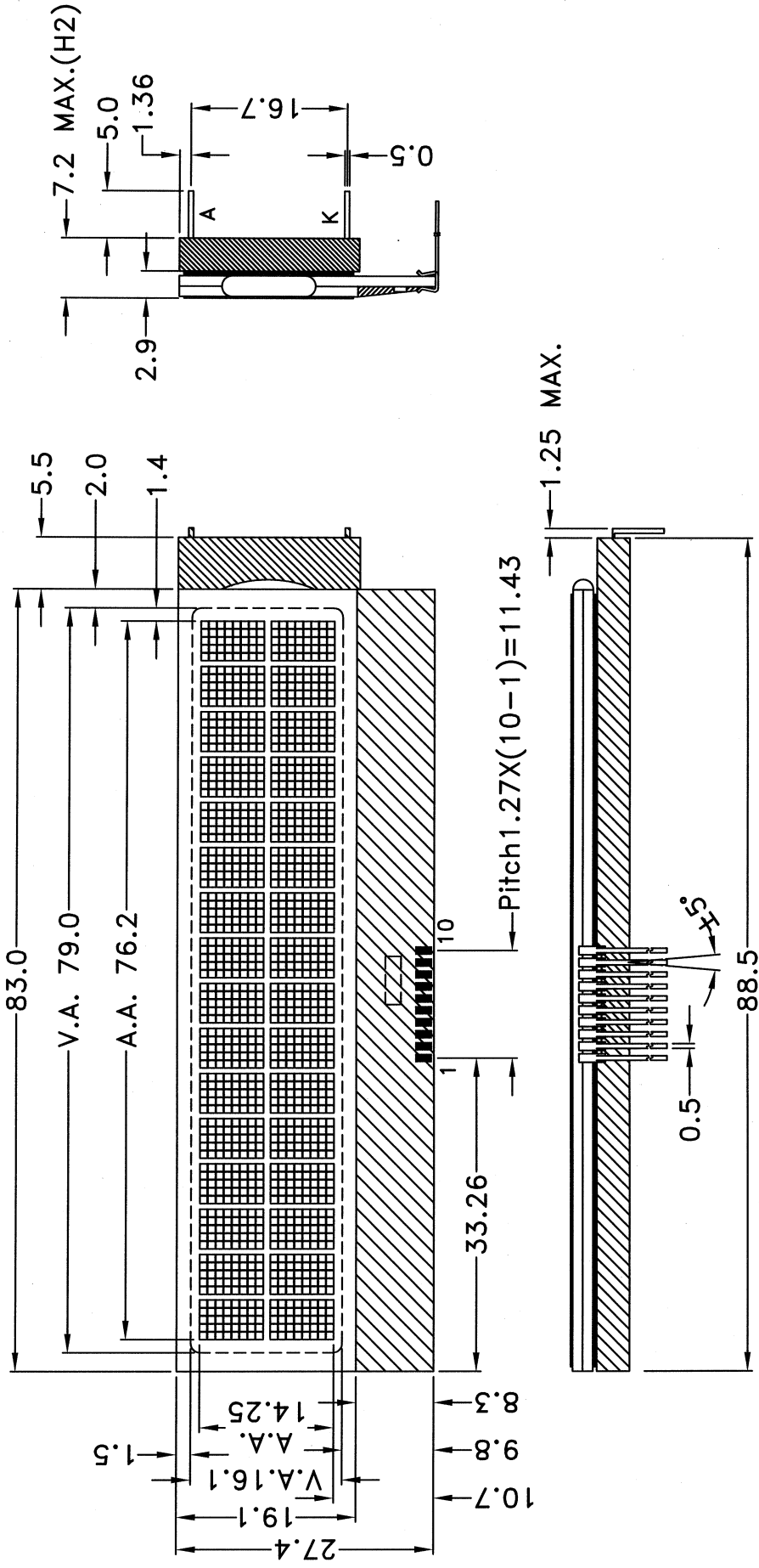
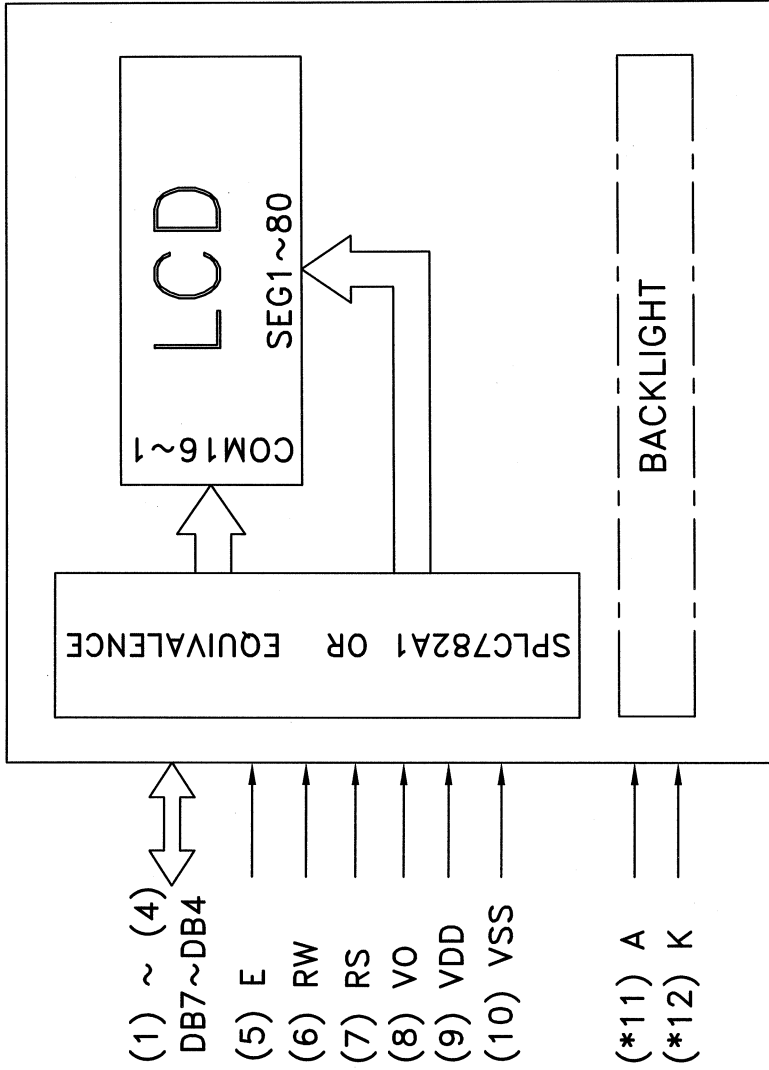


BACKLIGHT VERSION



TOLERANCE IF NOT SPECIFY ±0.5mm		SCALE NOT ON SCALE	UNIT IN mm	CLOVER CHINA DISPLAY (SHENZHEN) LTD.		SHEET 2 OF 4
REV.	REVISION RECORD	DATE	CUSTOMER	APPROVED	MODEL NO. ZCG9162N	TITLE: MODULE DIMENSION
00	1st ISSUE	30 MAY 12	CUSTOMER	APPROVED	DRAWN BY: PANWU	DATE: 30 MAY 12
			AGENT	APPROVED	CHECKED BY: Allen	DATE: 2012.06.01 16:52:48 +0800
			CUSTOMER REF.	OUR REF. ZX90004X	APPROVED BY:	DATE: 16/6/12



- (1) ~ (4) DB7~DB4
- (5) E
- (6) RW
- (7) RS
- (8) VO
- (9) VDD
- (10) VSS
- (*11) A
- (*12) K

PIN SYMBOL	FUNCTION
1	DB7
2	DB6
3	DB5
4	DB4
5	Enable signal
6	Read/write select
7	Register select
8	Input voltage for LCD
9	Supply voltage for logic
10	Ground
*11	Supply voltage for backlight(+)
*12	Supply voltage for backlight(-)

Note (*): pin(11),(12) are used for backlight version only

TOLERANCE IF NOT SPECIFY ±0.5mm		SCALE NOT ON SCALE	UNIT IN mm	CLOVER CHINA DISPLAY (SHENZHEN) LTD.		SHEET 3 OF 4
REV. 00	REVISION RECORD 1st ISSUE	DATE 30 MAY 12	CUSTOMER STANDARD	APPROVED	MODEL NO. ZCG9162N	
			AGENT	APPROVED	TITLE: PINOUT & BLOCK DIAGRAM	
			CUSTOMER REF.	OUR REF. ZX90004X	DRAWN BY: PANWU	DATE : 30 MAY 12
					CHECKED BY : Allen	DATE : 2012.06.01 15:29:41 48800
					APPROVED BY: <i>[Signature]</i>	DATE : 16/6/12

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) : 5.0 V
 Input voltage for LCD (V0) : 4.5 V

3. Mechanical specification

Dot size : 0.8 (L) X 0.8 (W)
 Character size : 4.20 (L) X 6.75 (W)
 Character pitch : 4.80 (L) X 7.50 (W)
 Viewing area : 79.0 (L) X 16.1 (W)
 Module dimension : 88.5 (L) X 27.4 (W) X 7.2MAX.(H2) (Backlight version)
 : 83.0 (L) X 27.4 (W) X 2.9MAX.(H1) (No backlight version)

4. Backlight specification

Backlight type : Side-lited LED backlight
 Backlight color : White/Blue
 Backlight Voltage : 5.0V

TOLERANCE IF NOT SPECIFY ±0.5mm		SCALE NOT ON SCALE	UNIT IN mm	CLOVER CHINA DISPLAY (SHENZHEN) LTD.		SHEET 4 OF 4
REV.	REVISION RECORD			APPROVED	MODEL NO.	ZCG9162N
00	1st ISSUE		DATE 30 MAY 12	APPROVED	TITLE:	SPECIFICATION
				APPROVED	DRAWN BY: PANWU	DATE :30 MAY 12
					CHECKED BY : Allen	DATE : 2012.06.01 15:28:46 -08'00'
				OUR REF. ZX90004X	APPROVED BY :	DATE : 11/6/12
				CUSTOMER REF.	CUSTOMER	STANDARD
					AGENT	