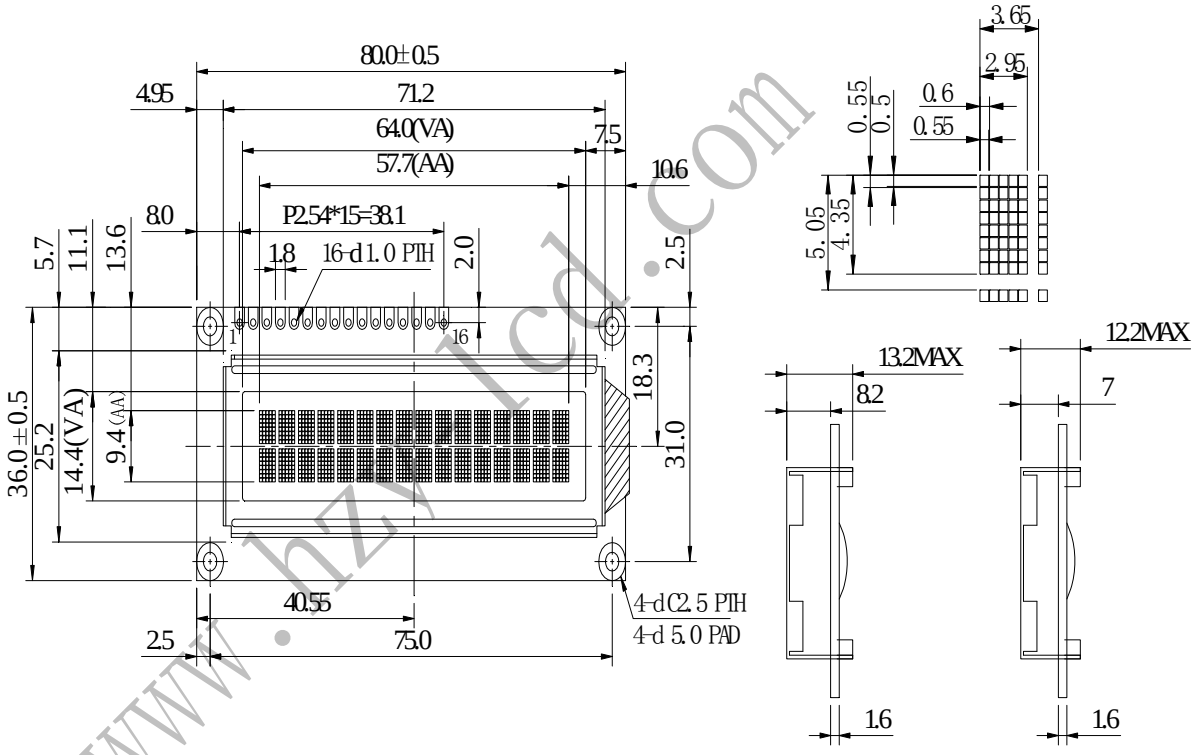

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Feature

1.5*8 dots includes cursor
2. Built-in controller(ST7066U or equivalent)
3. +5V power supply(Also available for +3.3V)
4. 1/16duty cycle
5. B/L can be driven by pin15,pin16,or A and K

Terminal Function

Pin	Symbol	Function
1	Vss	GND
2	V_{DD}	Supply voltage for logic
3	V0	Contrast Adjustment
4	RS	Register select signal
5	R/W	Read / write signal
6	E	Enable signal
7	DB0	Data bus line
8	DB1	Data bus line
9	DB2	Data bus line
10	DB3	Data bus line
11	DB4	Data bus line
12	DB5	Data bus line
13	DB6	Data bus line
14	DB7	Data bus line
15	A	Backlight LED+
16	K	Backlight LED-

Mechanical Data

Item	Value
Outline (mm)	80.0*36.0*13.2MAX
Viewing Area (mm)	64*14.4
Active Area (mm)	57.7*9.4
Dot Size (mm)	3.95*4.35
Dot Pitch (mm)	3.65*5.05

Electrical Characteristics

Item	Symbol	Min	Typ	Max
Operating Voltage(V)	VDD	4.7	5	5.3
Supply Voltage For LCD	VDD -V0	–	4.2	–
Input High Voltage(V)	VIH	0.7 VDD	–	VDD
Input Low Voltage(V)	VIL	VSS	–	0.6
Operating Current(mA)	IDD	–	1.2	1.5

Backlight Characteristics

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	VF	—	5	--
Forward Current (mA)	IF	—	32	40

Absolute Maximum Rating

Item	Symbol	Min	Max
Power Supply(V)	VDD-VSS	-0.3	7
Operating Temperature(℃)	Top	-20	70
Storage Temperature(℃)	Tst	-30	80