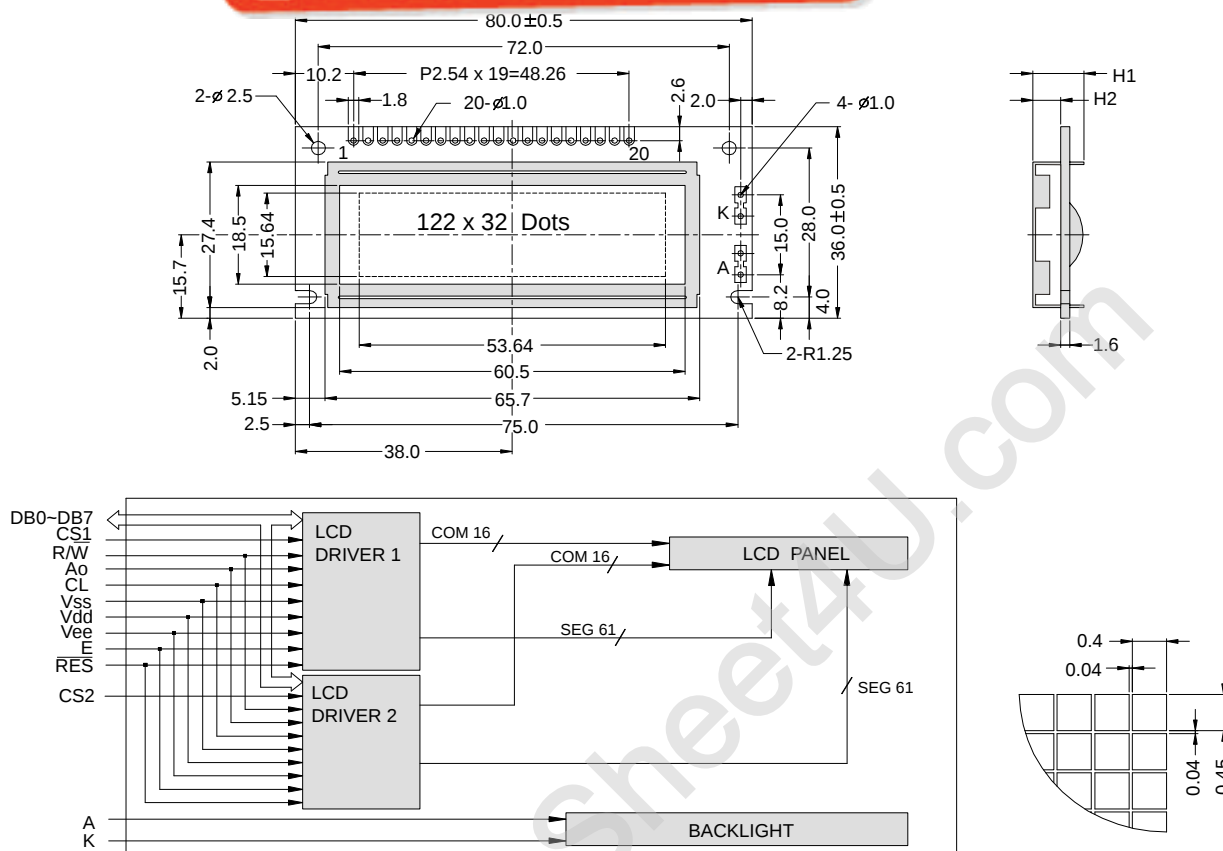




OUTLINE DIMENSION & BLOCK DIAGRAM

液晶之友 电话: 020-33819057
Http://www.lcdfriends.com



The tolerance unless classified $\pm 0.3\text{mm}$

MECHANICAL SPECIFICATION			
Overall Size	80.0 x 36.0	Module	H2 / H1
View Area	60.5 x 18.5	W / O B/L	4.9 / 9.0
Dot Size	0.40 x 0.45	EL B/L	4.9 / 9.0
Dot Pitch	0.44 x 0.49	LED B/L	8.9 / 13.0

PIN ASSIGNMENT		
Pin no.	Symbol	Function
1	Vss	Power supply(GND)
2	Vdd	Power supply(+)
3	Vo	Contrast Adjust
4	A0	Command / data input
5	CS1	Chip select driver 1
6	CS2	Chip select driver 2
7	CL	External clock input
8	E	Enable signal
9	R/W	Data read / write
10-17	DB0-DB7	Data bus line
18	RES	Reset
19	A	Power supply for LED B/L (+)
20	K	Power supply for LED B/L (-)

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
LCD operation voltage	Vop	Top	N	W	N	W	N	W	V
		-20°C	— 8.6		— 9.1		— 9.6		V
		0°C	6.1	—	6.4	—	6.7	—	V
		25°C	5.6	7.7	5.9	8.1	6.2	8.5	V
		50°C	5.1	—	5.4	—	5.7	—	V
		70°C	— 7.2		— 7.6		— 8		V
LCM current consumption (No B/L)	Idd	Vdd=5V	— 1.0		2.5		mA		
Backlight current consumption	LED/edge	VB/L=4.2V	—		—		—		mA
	LED/array	VB/L=4.2V	—		120		—		mA

REMARK

LCD option: STN, TN, FSTN

Backlight Option: LED, EL Backlight feature, other Specs not available on catalog is under request.