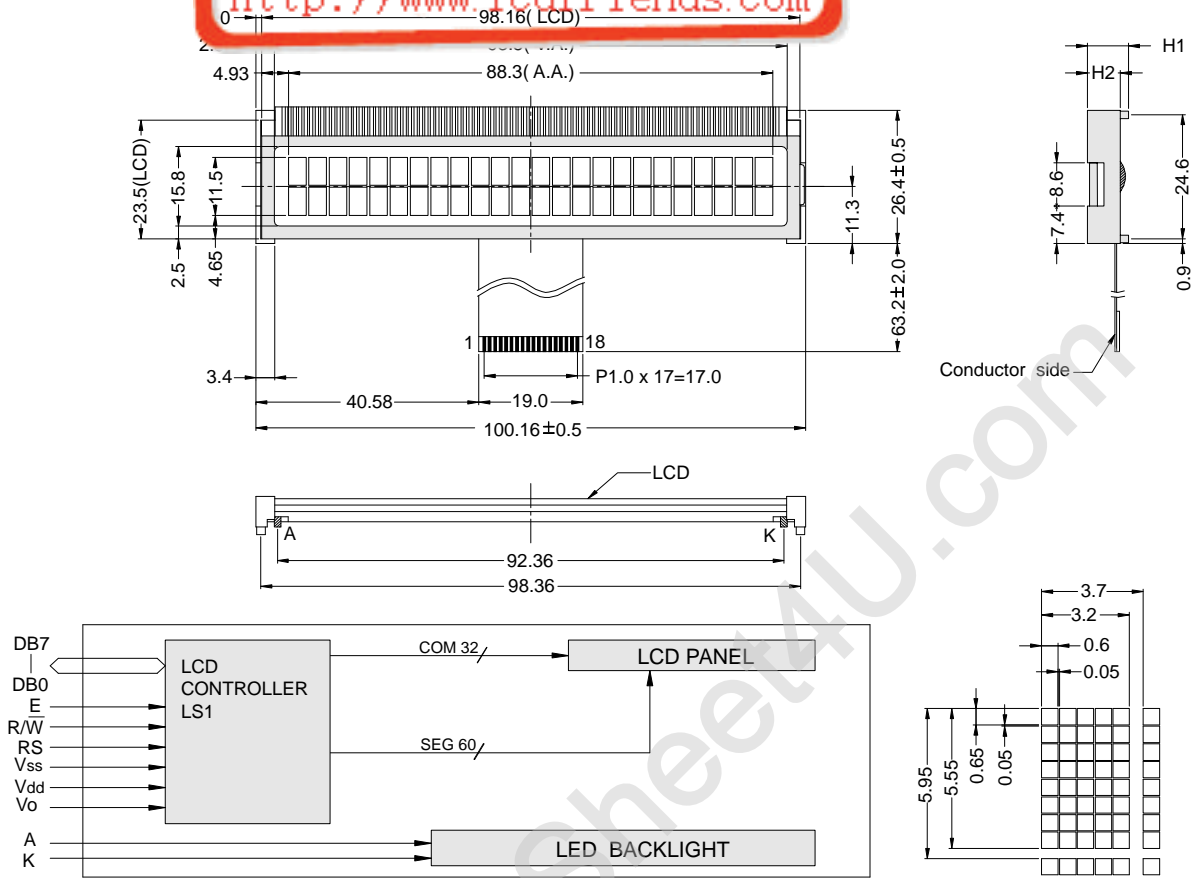


PC 2402-H



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[Http://www.lcdfriends.com](http://www.lcdfriends.com)

OUTLINE DIMENSION & BLOCK DIAGRAM



The tolerance unless classified ± 0.3mm

MECHANICAL SPECIFICATION			
Overall Size	100.16 x 26.4	Module	H1 / H2
View Area	93.5 x 15.8	W / O B/L	- / -
Dot Size	0.60 x 0.65	EL B/L	- / -
Dot Pitch	0.65 x 0.70	LED B/L	6.0 / 7.5

PIN ASSIGNMENT		
Pin no.	Symbol	Function
1	Vss	Power supply(GND)
2	Vdd	Power supply(+)
3	Vo	Contrast Adjust
4	RS	Register select signal
5	R/W	Data read / write
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	Power supply for LED B/L (+)
16	K	Power supply for LED B/L (-)
17	SCL	Serial clock input
18	SDA	Serial data input

ABSOLUTE MAXIMUM RATING									
Item	Symbol	Condition	Min.	Max.	Units				
Supply for logic voltage	Vdd-Vss	25°C	-0.3	7	V				
LCD driving supply voltage	Vdd-Vee	25°C	-0.3	9	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	V		
		-20°C	- 8.2	- 8.4	- 7.3	-	V		
		0°C	4.5	- 4.8	- 7.4	-	V		
		25°C	4.1	7.7	4.4	7.9	7.0	6.9	V
		50°C	3.8	- 4.1	- 6.5	-	V		
		70°C	- 6.7	- 6.9	- 6.2	V			
LCM current consumption (No B/L)	Idd	Vdd=5V	-	2	3	mA			
Backlight current consumption	LED/edge	VB/L=4.2V	-	60	-	mA			
	LED/array	VB/L=4.2V	-	-	-	mA			

REMARK

LCD option: STN, TN, FSTN

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

