Winstar Display Co., LTD
華凌光電股份有限公司
WEB: http://www.winstar.com.tw E-mail: sales@winstar.com.tw

SPECIFICATION

CUSTOMER : _____

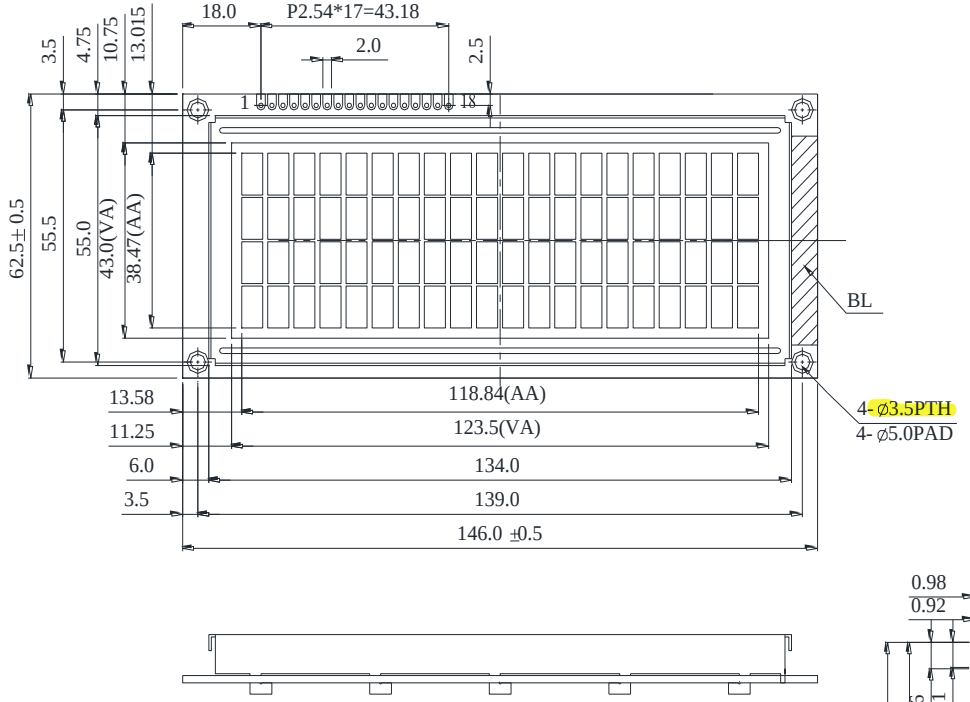
MODULE NO.: WH2004L-TMI-ET#000

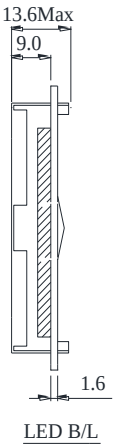
General Specification

Item	Dimension	Unit
Number of Characters	20 characters x 4Lines	—
Module dimension	146.0 x 62.5 x 13.6(MAX)	mm
View area	123.5 x 43.0	mm
Active area	118.84x 38.47	mm
Dot size	0.92 x 1.1	mm
Dot pitch	0.98 x 1.16	mm
Character size	4.84 x 9.22	mm
Character pitch	6.0 x 9.75	mm
LCD type	STN Negative, Blue Transmissive (In LCD production, It will occur slightly color difference. We can only guarantee the same color in the same batch.)	
Duty	1/16	
View direction	6 o'clock	
Backlight Type	LED White	
IC	ST7066U	

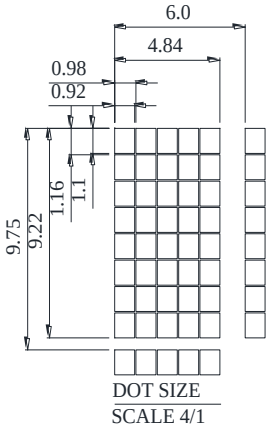
first FC components
FIRST Components s.r.l. Via Cavour, 69 21020 Buguggiate (VA) Italy Tel. +39 0332 1888005 Fax +39 0332 320856
web: www.first-components.com

Contour Drawing &Block Diagram





PIN NO.	SYMBOL
1	Vss
2	Vdd
3	Vo
4	RS
5	R/$\overline{W}$
6	E
7	DB0
8	DB1
9	DB2
10	DB3
11	DB4
12	DB5
13	DB6
14	DB7
15	A
16	K
17	NC
18	NC



The non-specified tolerance of dimension is ㊣0.3mm.

first FC components