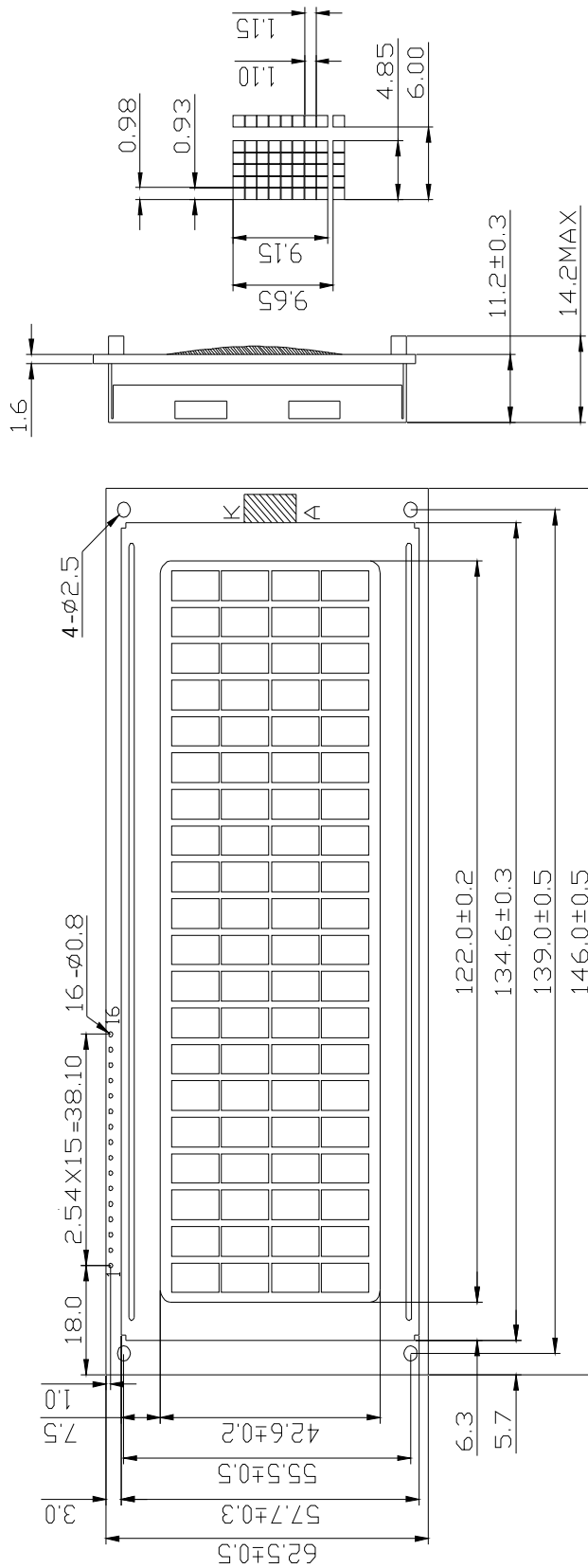


Outline Drawing



Notes:

1. Display Type : FSTN, positive
2. Controller IC: ST7066U
3. Operating Temp: 0° C---+70° C
4. Storage Temp: -10° C---+80° C
5. Viewing Direction: 12 clock
6. Polarizer: Transflective
7. BL Color: Yellow Green

DLC Display Co., Limited

www.dlcdisplay.com

DRAWN BY:	TITLE: DLC2004BFYC	
CHECKED BY:	SCALE:	
APPROVED BY:	DWG NO:	UNIT: mm
CONFIRMED BY:	DWG NAME:	SHEET NO: OF



<b>MECHANICAL DATA</b>		
<b>Item</b>	<b>Nominal Dimensions</b>	<b>Unit</b>
Module Size(W×H×T)	146.0×62.5×14.2	mm
Viewing Area(W×H)	122.0×42.6	mm
Character Size(W×H)	4.85×9.15	mm
Dot Size(W×H)	0.93×1.1	mm

<b>ABSOLUTE MAXIMUM RATINGS</b>					
<b>Item</b>	<b>Symbol</b>	<b>Min</b>	<b>Type</b>	<b>Max</b>	<b>Unit</b>
Operating Voltage	VDD	4.5	5.0	5.5	V
Operating Current	IDD	1.5	1.8	2.1	mA
LED Voltage	V <sub>LED</sub>	4.5	5.0	5.5	V
LED Current	I <sub>LED</sub>	55	71.5	86	mA
Operating Temp.	Topr	0	—	+70	°C
Storage Temp.	Tsto	-10	—	+80	°C

<b>ELECTRICAL CHARACTERISTICS</b>					
<b>Item</b>	<b>Symbol</b>	<b>Min</b>	<b>Type</b>	<b>Max</b>	<b>Unit</b>
Input Hight Voltage	V <sub>IH</sub>	2.2	—	VDD	V
Input Low Voltage	V <sub>IL</sub>	0	—	0.6	V
Output Hight Voltage	V <sub>OH</sub>	2.4	—	VDD	V
Output Low Voltage	V <sub>OL</sub>	0	—	0.4	V

PIN CONNECTIONS			
PIN	Symbol	Level	Function
1	VSS	—	GND(0V)
2	VDD	—	Supply Voltage for Logic(+5V)
3	V0	—	Power supply for LCD
4	RS	H/L	H: Data; L: Instruction Code
5	R/W	H/L	H: Read; L: Write
6	E	H/L	Enable Signal
7	DB0	H/L	Data Bus Line
8	DB1	H/L	
9	DB2	H/L	
10	DB3	H/L	
11	DB4	H/L	
12	DB5	H/L	
13	DB6	H/L	
14	DB7	H/L	
15	A	—	Backlight Power(+5V)
16	K	—	Backlight Power(0V)

