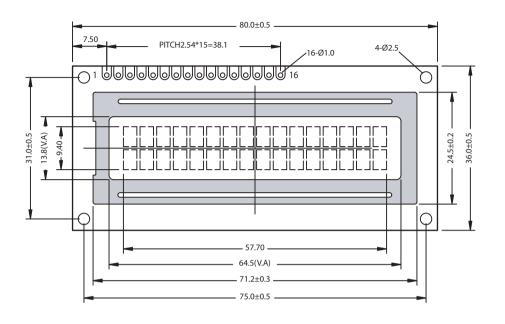
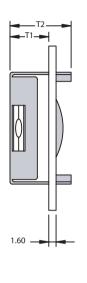
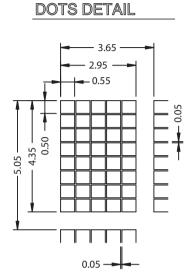
LONGTECH DISPLAY

LCMIBOZA







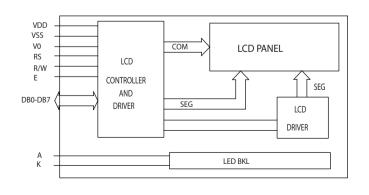
Pin connections

PIN NO	Symbol
1	VSS
2	VDD
3	V0
4	RS
5	R/W
6	Е
7	DB0
8	DB1
9	DB2
10	DB3
11	DB4
12	DB5
13	DB6
14	DB7
15	Α
16	K

Feature

- 1. 2-line x16 characters display; 5x8 dots with cursor
- 2. Built-in controller (KS0066U or Equivalent)
- 3. +5V power supply(Also available for +3.3V)
- 4. 1/16 duty cycle;1/5bias;
- 5. TN, HTN, STN or FSTN mode
- 6. BKL to be driven by pin1,pin2,or pin15,pin16,or A,K

Block diagram:



Display character address code

Display position										
	1	2	3	4	5	 	 	14	15	16
DDRAM address	00	01	02	-	-	 	 	C	ЕН	0FH
DDDAM addross	10	11	12							1EU

Mechanical thinkness

LCD module thinkness	T1	T2	UNIT
Without or EL backlight	4.5	9.5	mm
With edge LED backlight	7.0	11.0	mm
With LED bottom backlight	8.5	13.5	mm

Mechanical data

Item	Standard	Unit
Module dimension	80.0x36.0	mm
Viewing area	64.5x13.8	mm
Dot size	0.55x0.50	mm
Character size	2.95x5.05	mm

Absolute Maximum Rating

Item	Symbol	(1.1			
Item	Cyrribor	Min	Тур	Max	Unit	
Input voltage	VI	-0.3		5.5	W	
Power supply	VDD-VSS	-0.3		VDD	, v	

Electronical characteristics

n		0 - 110 - 1	5	Unit			
Item	Symbol	Condition	Min	Тур	Max	Unit	
	VDD	+5V	4.7	5.0	5.5	V	
Input voltage		+3.3V	2.7	3.3	5.3	V	
Supply current	IDD	VDD=5V		1.5	4	mA	
	VDD-V0	-20°C	4.8	5.0	5.3		
Recommended LCD driving voltage for normal temp version module		0 °C	4.6	4.8	5.0		
		25°C	4.3	4.5	4.7	V	
		50°C	4.2	4.3	4.5		
		70°C	4.1	4.2	4.3		
LED forward voltage	VF	25°C		4.2	50	V	
LED forward current	IF	25°C		110		mA	
EL power supply current	IEL	VEL=110V AC 400Hz				mA	