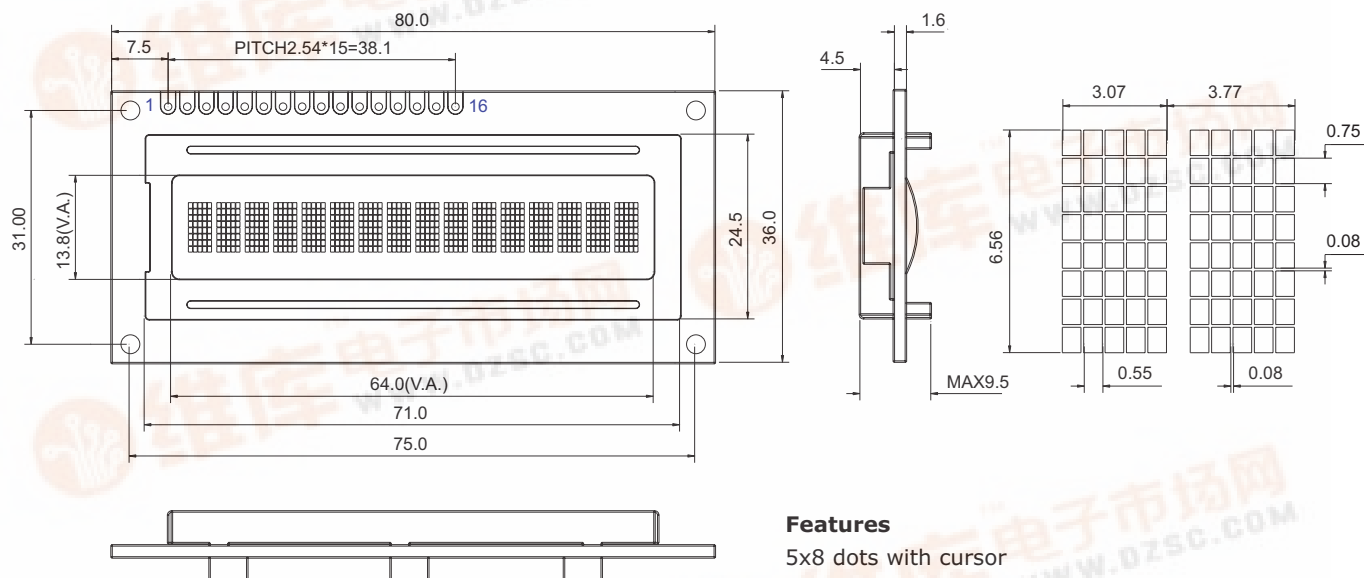


EL 1601A



Features

- 5x8 dots with cursor
- Built-in controller
- 1/16 duty cycle
- BKL to be driven by pin 1,2 or 15,16 or A,K

Interface Pin Connection

Pin	Signal	Pin	Signal
1	VSS	9	DB2
2	VDD	10	DB3
3	V0	11	DB4
4	RS	12	DB5
5	R/W	13	DB6
6	E	14	DB7
7	DB0	15	A
8	DB1	16	K

Mechanical Data

Item	Standard	Unit
Module dimension	80.0 x 36.0	mm
Viewing Area	64 x 13.8	mm
Dot Size	0.55 x 0.75	mm
Character size	3.07 x 6.56	mm

Absolute Maximum Rating

Item	Symbol	Standard	Unit
Power supply	VDD-VSS	Min. -0.3, Typ. --, Max. 5.5	V
Input voltage	VI	Min. -0.3, Typ. --, Max. VDD	V

Electronical characteristic

Item	Symbol	Condition	Standard	Unit
Input voltage	VDD	+5V	Min. 4.7, Typ. 5.0, Max. 5.5	V
		+3.3V	Min. 2.7, Typ. 3.0, Max. 5.3	V
Supply current	Idd	VDD=5V	Min. --, Typ. 2, Max. 4	mA
Recomended LCD driving voltage for normal temp	VDD-V0	-20°C	Min. --, Typ. --, Max. --	V
		0°C	Min. 4.7, Typ. 5.0, Max. 5.5	V
		25°C	Min. 4.3, Typ. 4.5, Max. 4.7	V
		50°C	Min. 4.1, Typ. 4.3, Max. 4.5	V
		70°C	Min. --, Typ. --, Max. --	V
LED forward voltage	VF	25°C	Min. --, Typ. 4.2, Max. 4.6	V
LED forward current	IF	25°C	Min. --, Typ. 110, Max. --	mA
EL power supply current	Iel	Vel=110V AC 400Hz	Min. --, Typ. --, Max. --	mA

Display character address code:

Display position
DRAM address

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
00 01 02 03 04 05 06 07 40 41 41 ----- 47H

