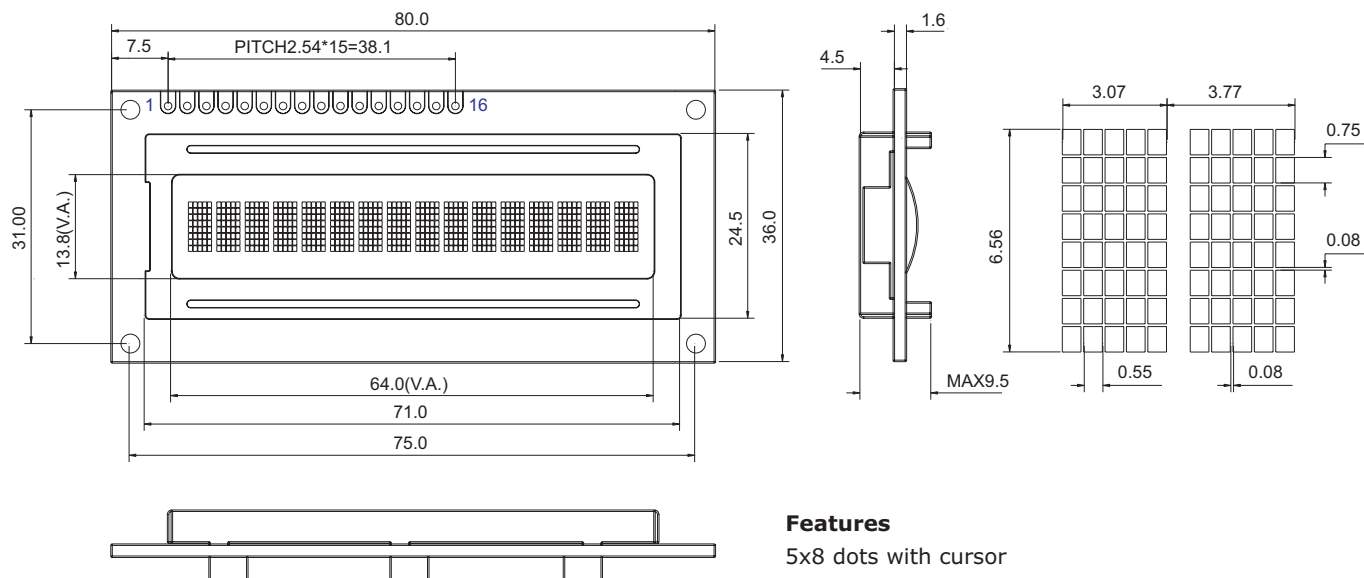


EL 1601A



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

Electronical characteristic

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

Display character address code:

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