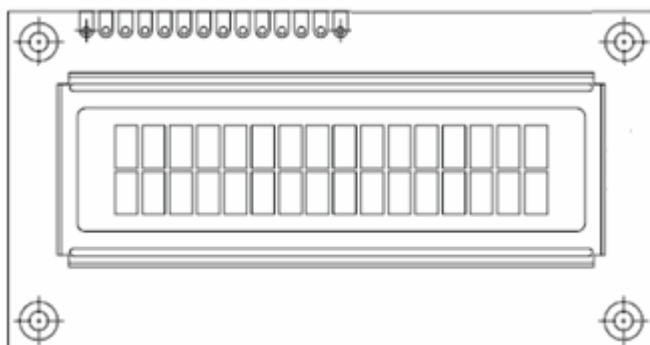


2 x 16 Character LCD Module NDM162



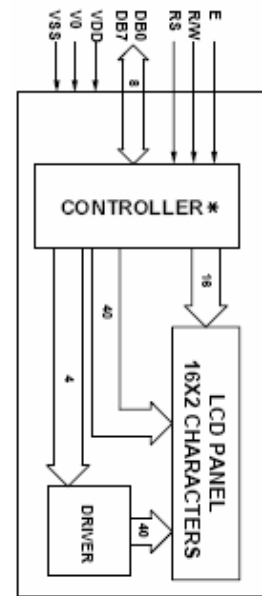
FEATURES

- 5 x 7 dots with cursor
- Built-in controller HD44780
- + 5V power supply
- 1/16 duty cycle
- Backlight

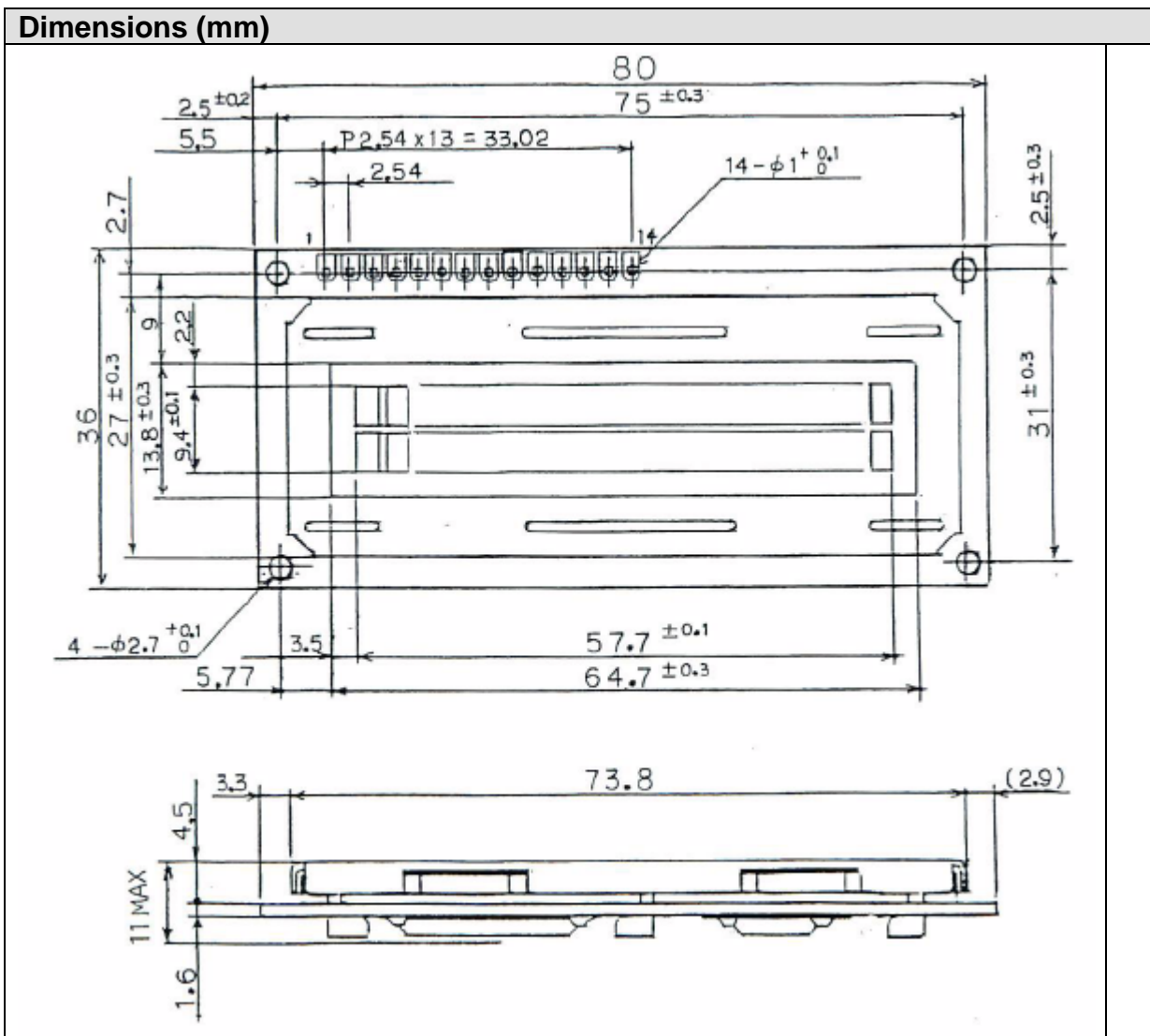
Mechanical Data		
Item	Value	Unit
Module Dimension	80.0 x 36.0	mm
Viewing Area	65.0 x 14.0	mm
Dot Size	0.55 x 0.65	mm
Character Size	2.95 x 5.05	mm

Electrical Specification						
Item	Symbol	Condition	Standard Value			Unit
			Min.	Typ.	Max.	
Input Voltage	VDD	VDD = + 5V	4.7	5	5.3	V
Supply Current	IDD	VDD = + 5V	-	1.2	3	mA
Recommended LC Driving Voltage for Normal Temp. Version Module	VDD - V0	0°C	4.2	4.6	5.0	V
		25°C	3.8	4.2	4.6	
		50°C	3.6	4.0	4.4	

Pin Number	Symbol	Function
1	Vss	GND
2	Vdd	+5V
3	VL	Contrast Adjustment
4	RS	H/L Register Select Signal
5	R/W	H/L Read/Write Signal
6	E	H → L Enable Signal
7	DB0	H/L Data Bus Line
8	DB1	H/L Data Bus Line
9	DB2	H/L Data Bus Line
10	DB3	H/L Data Bus Line
11	DB4	H/L Data Bus Line
12	DB5	H/L Data Bus Line
13	DB6	H/L Data Bus Line
14	DB7	H/L Data Bus Line



Dimensions (mm)





Character Table

Upper bit Lower 4bit	0000	0010	0011	0100	0101	0110	0111	1010	1011	1100	1101	1110	1111
xxxx0000	CG HAM (1)		0	a	P	\	P		-	9	E	o	p
xxxx0001	(2)	!	1	A	Q	a	q	n	7	7	G	3	g
xxxx0010	(3)	"	2	B	R	b	r	"	イ	ツ	×	p	θ
xxxx0011	(4)	#	3	C	S	c	s	!	ウ	7	E	e	ω
xxxx0100	(5)	\$	4	D	T	d	t	.	エ	ト	ト	μ	Ω
xxxx0101	(6)	%	5	E	U	e	u	.	オ	ナ	1	ε	Ω
xxxx0110	(7)	&	6	F	V	f	v	9	カ	ニ	ヨ	ρ	Σ
xxxx0111	(8)	'	7	G	W	g	w	7	キ	ヌ	ウ	g	π
xxxx1000	(1)	(	8	H	X	h	x	4	ク	ホ	リ	r	×
xxxx1001	(2)	)	9	I	Y	i	y	5	ケ	ル		'	γ
xxxx1010	(3)	*	#	J	Z	j	z	エ	コ	ル		j	7
xxxx1011	(4)	+	;	K	C	k	c	(	オ	サ	ヒ	°	π
xxxx1100	(5)	,	<	L	*	l	*	ト	シ	フ	ウ	φ	π
xxxx1101	(6)	-	=	M	I	m	i	)	ユ	ズ	ノ	±	÷
xxxx1110	(7)	.	>	N	^	n	+	ヨ	セ	ホ	°	ñ	
xxxx1111	(8)	/	?	O	_	o	_	ウ	ユ	7	°	ö	||||