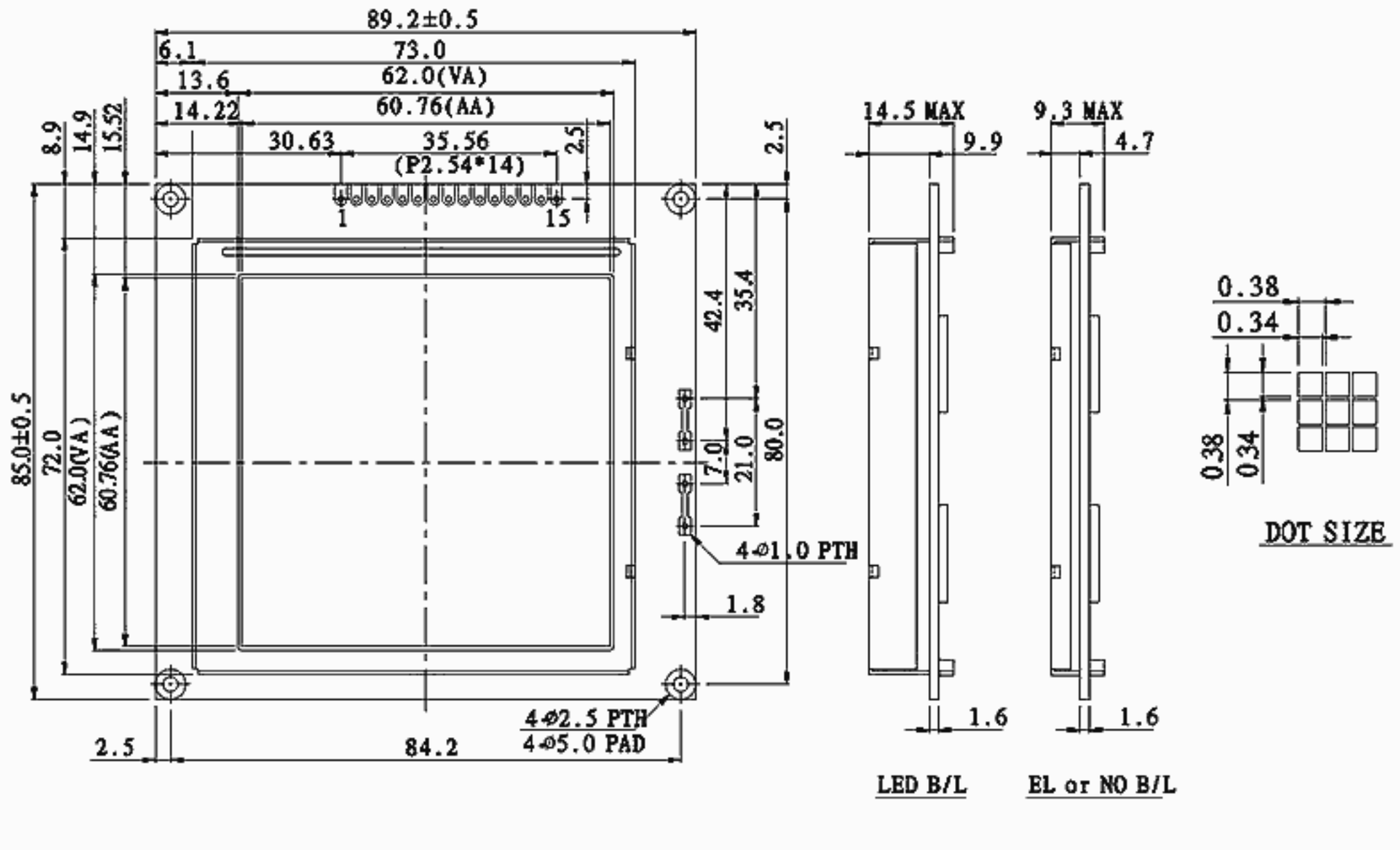
Graphic 160x160dots **WG160160A**

Dimension drawing



Graphic type

Feature

1. No controller
2. +5V power supply
3. 1/160 duty cycle
4. 4-Bit parallel or 1-Bit serial interface mode

Pin NO.	Symbol	Function
1	Vss (GND)	Ground
2	M	Control Signal for A.C. Driving
3	FLM	The FLM signal indicates the beinning of each display cycle
4	CL1	The CL1 latches the serial data in shift register
5	CL2	Clock signal for shifting the serial data
6	DB3	Data bus line
7	DB2	Data bus line
8	DB1	Data bus line
9	DB0	Data bus line
10	Vee	Power supply for LCD driving
11	Vdd	Power supply (+5V)
12	Vo	Contrast Adjustment
13	$\overline{DISPOFF}$	Controls display off, 0: off, 1: on
14	A	Power supply for LED +4.2V RA=0Ω
15	K	Power supply for LED 0V

Mechanical Data

Item	Standard Value	Unit
Module Dimension	89.2x85.0	mm
Viewing Area	62.0x62.0	mm
Dot Size	0.34x0.34	mm
Dot Pitch	0.38x0.38	mm
Mounting hole	84.2x 80.0	mm

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	4.75	5.0	5.52	V
Input Voltage	VI	-0.3	---	VDD	V

Note : VSS=0 Volt, VDD=5.0 Volt.

Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	L level	$0.7V_{DD}$	---	V_{DD}	V
	VIO	H level	---	---	$0.3V_{DD}$	V
Supply Current	IDD	VDD=5V	---	1.5	3	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-V0	-20°C	16.5	18.0	19.5	V
		25°C	15.5	17.0	18.5	
		60°C	14.5	16.0	17.5	
LED Forward Voltage	VF	25°C	---	4.2	4.6	V
LED Forward Current	IF	25°C	---	500	1000	mA
EL	IEL	Vel=110VAC;400Hz	---	---	5.0	mA