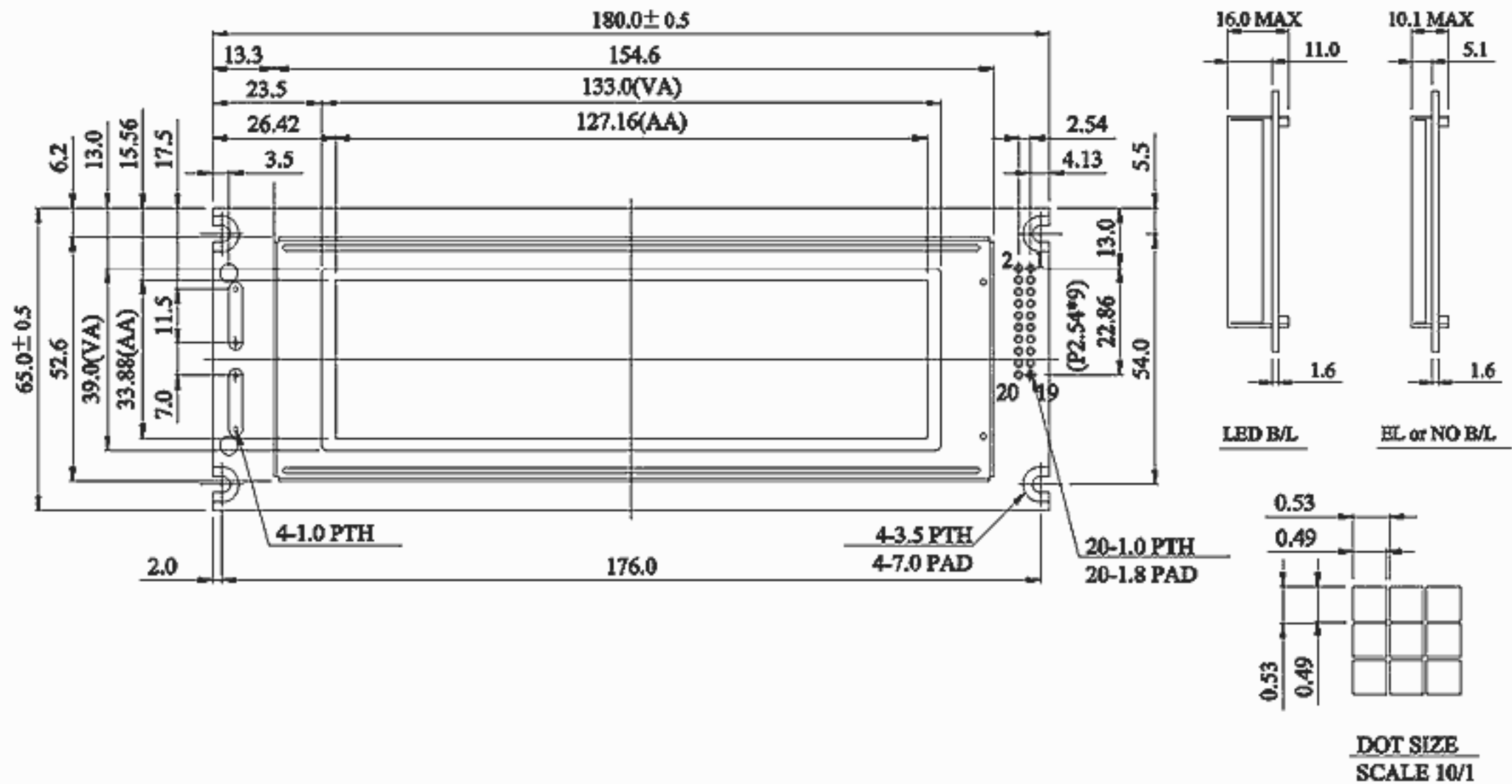## WG24064B Graphic 240x64dots

Dimension drawing

Feature

1. Built-in controller SANYO- (LC7981 or equivalent)
2. +5V power supply
3. 1/64duty cycle
4. Built-in N.V

Pin NO.	Symbol	Function
1	Vss	Power supply(GND)
2	Vdd	Power supply (+5V)
3	Vo	Contrast Adjustment
4	RS	Data / instruction select
5	R/W̄	Data read write
6	E	Enable signal
7	DB0	Data bus line
8	DB1	Data bus line
9	DB2	Data bus line
10	DB3	Data bus line
11	DB4	Data bus line
12	DB5	Data bus line
13	DB6	Data bus line
14	DB7	Data bus line
15	C̄S̄	Chip select
16	R̄es̄	Reset signal
17	Vee	Negative Voltage output
18	FGND	Frame GEN(connectted to bezel)
19	A/REV	A/Reverso
20	K/FG	K/FGND

Mechanical Data

Item	Standard Value	Unit
Module Dimension	180.0x65.0	mm
Viewing Area	133.0x39.0	mm
Dot Size	0.49x0.49	mm
Dot pitch	0.53x0.53	mm
Mounting hole	176.0 x 54.0	mm

Absolute Maximum Rating

Item	Symbol	Standard Value min.	typ.	max.	Unit
Power Supply	VDD-VSS	4.75	5.0	5.25	V
Input Voltage	VI	-0.3	---	VDD	V

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

Electronical Characteristics

Item	Symbol	Condition	Standard Value min.	typ.	max.	Unit
Input Voltage	VDD	L level	$0.7V_{DD}$	---	V_{DD}	V
	VIO	H level	0	---	$0.3V_{DD}$	V
Supply Current	IDD	VDD=+5V	---	18.6	24.0	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-V0	-20°C	13.0	13.5	14.1	V
		0°C	12.5	13.1	13.7	
		25°C	12.1	12.7	13.3	
		50°C	11.1	12.2	13.0	
		70°C	9.1	11.6	12.8	
LED Forward Voltage	VF	25°C	---	4.2	4.6	V
LED Forward Current	IF	25°C	---	450	900	mA
CCFL	VF	25°C	---	215	650	Vrms
	IF	25°C	---	---	5.0	mA
EL	IEL	Vel=110VAC;400Hz	---	---	5.0	mA