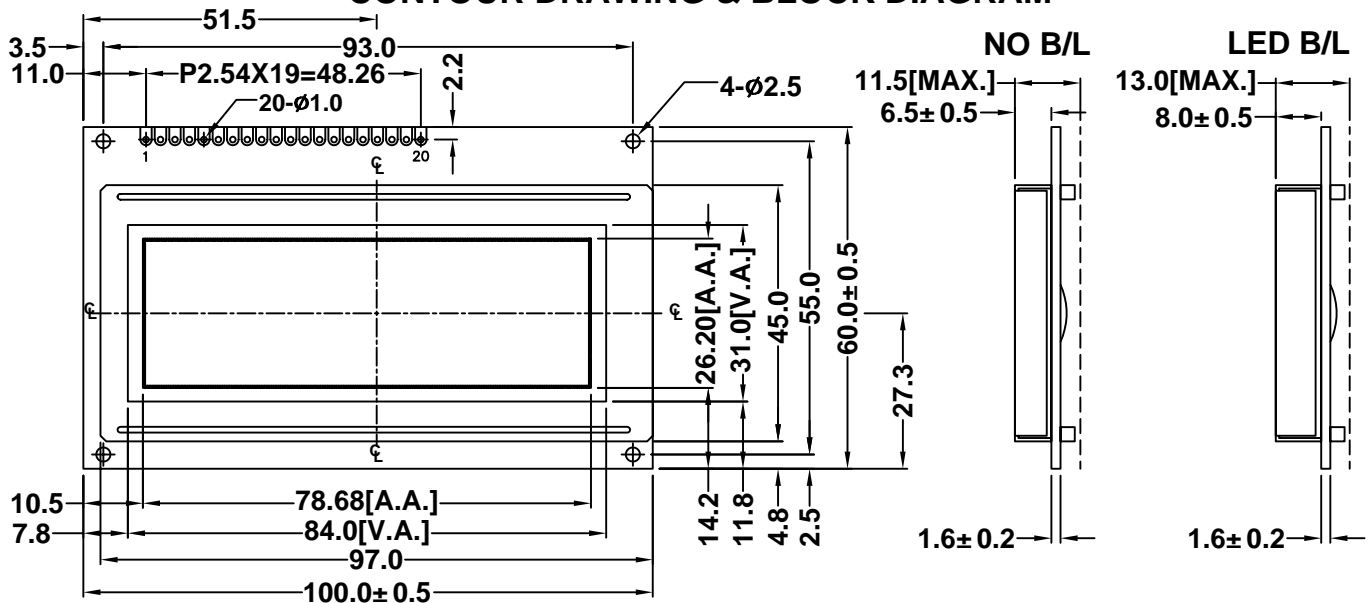


# BHG19264A

## CONTOUR DRAWING & BLOCK DIAGRAM



\*\*OR EQUIVALENT

MECHANICAL SPECIFICATION		
ITEM	SPECIFICATION	UNIT
Module Size	100.0X60.0X11.5/13.0	mm
Viewing Area	84.0X31.0	mm
Number of dots	192X64	dots
Dot Pitch	0.41X0.41	mm
Dot Size	0.37X0.37	mm

ABSOLUTE MAXIMUM RATINGS				
PARAMETER	SYMBOL	MIN.	MAX.	UNIT
Supply Voltage	Vdd	-0.3	7.0	V
LCD Supply Voltage	Vlcd(Vdd-V0)	Vdd-19.0	Vdd+0.3	V
Input Voltage	Vin	-0.3	Vdd+0.3	V
Operating Temperature*	Top	0/-20	50/70	° C
Storage Temperature*	Tstr	-10/-30	60/80	° C

PIN CONNECTIONS		
PIN	SYMBOL	DESCRIPTION
1-8	DB7-DB0	Data bus
9	E	Power Supply :+5V
10	R/W	Data write/read
11	RS	Register Select
12	V0	Supply voltage for LCD
13	VDD	Power Supply :+5V
14	VSS	Power Supply :0V
15	CS2	Chip2 select signal
16	CS1	Chip1 select signal
17	VOUT	Negative Voltage
18	/RST	Reset
19	A	Anode for backlight
20	K	Cathode for backlight

ELECTRICAL CHARACTERISTICS(Ta=25° C)						
ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage(logic)	Vdd	-	4.5	5.0	5.5	V
Supply Current(logic)	Idd	Vdd=5.0	3.0	3.5	4.0	mA
Driving Voltage(LCD)	Vlcd	-	12.5	13.7	14.3	V
Driving Current(LCD)	Ilcd	-	-	2.5	3.0	mA

BACKLIGHT CHARACTERISTICS (Ta=25° C)						
PARAMETER	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage	Vf	If=140mA	3.8	4.1	4.3	V
LED Forward Current	If	-	-	140	-	mA
LED Dissipation	Pd	-	-	588	-	mW

\*T1/T2: T1for standard temperature LCM, T2 for wide temperature LCM