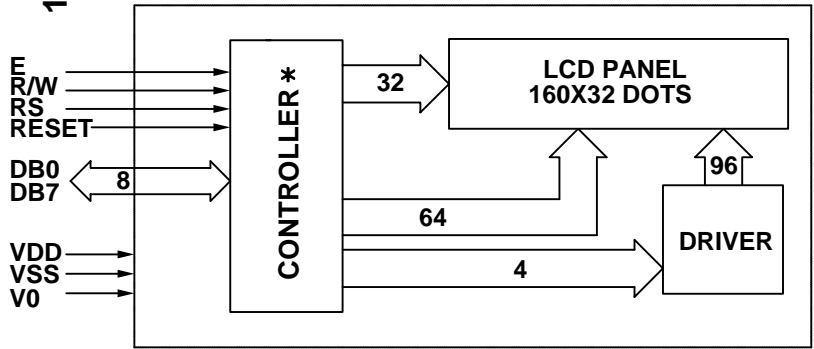
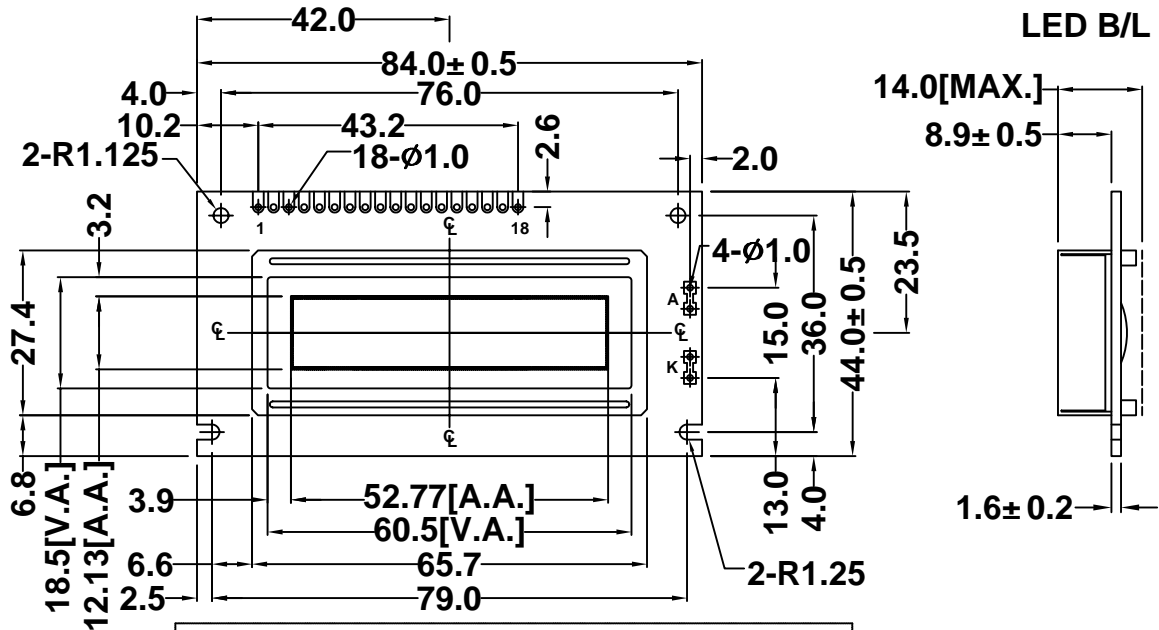


# BHG16032B

## CONTOUR DRAWING & BLOCK DIAGRAM



\* ST7920 OR EQUIVALENT

MECHANICAL SPECIFICATION		
ITEM	SPECIFICATION	UNIT
Module Size	84.0X44.0X14.0	mm
Viewing Area	60.5X18.5	mm
Number of dots	160X32	dots
Dot Pitch	0.33X0.38	mm
Dot Size	0.30X0.35	mm

ABSOLUTE MAXIMUM RATINGS				
PARAMETER	SYMBOL	MIN.	MAX.	UNIT
Supply Voltage	Vdd	-0.3	6.0	V
LCD Supply Voltage	Vlcd(V0-Vss)	-0.3	7.0	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	VSS	Power Supply :0V
2	VDD	Power Supply :+5V
3	V0	Power Supply voltage for LCD
4	CS	Chip select
5	SID	Serial data input
6	SCLK	Serial clock
7-14	NC	NC
15	NC	NC
16	RST	Rest signal
17	A	Anode for backlight
18	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	0.7	1.2	1.6	mA
Driving Voltage(LCD)	Vlcd	-	4.5	4.9	5.3	V
Driving Current(LCD)	Ilcd	-	-	0.8	1.6	mA

BACKLIGHT CHARACTERISTICS (Ta=25° C)						
PARAMETER	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage	Vf	If=100mA	3.8	4.1	4.3	V
LED Forward Current	If	-	-	100	-	mA
LED Dissipation	Pd	-	-	420	-	mW

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