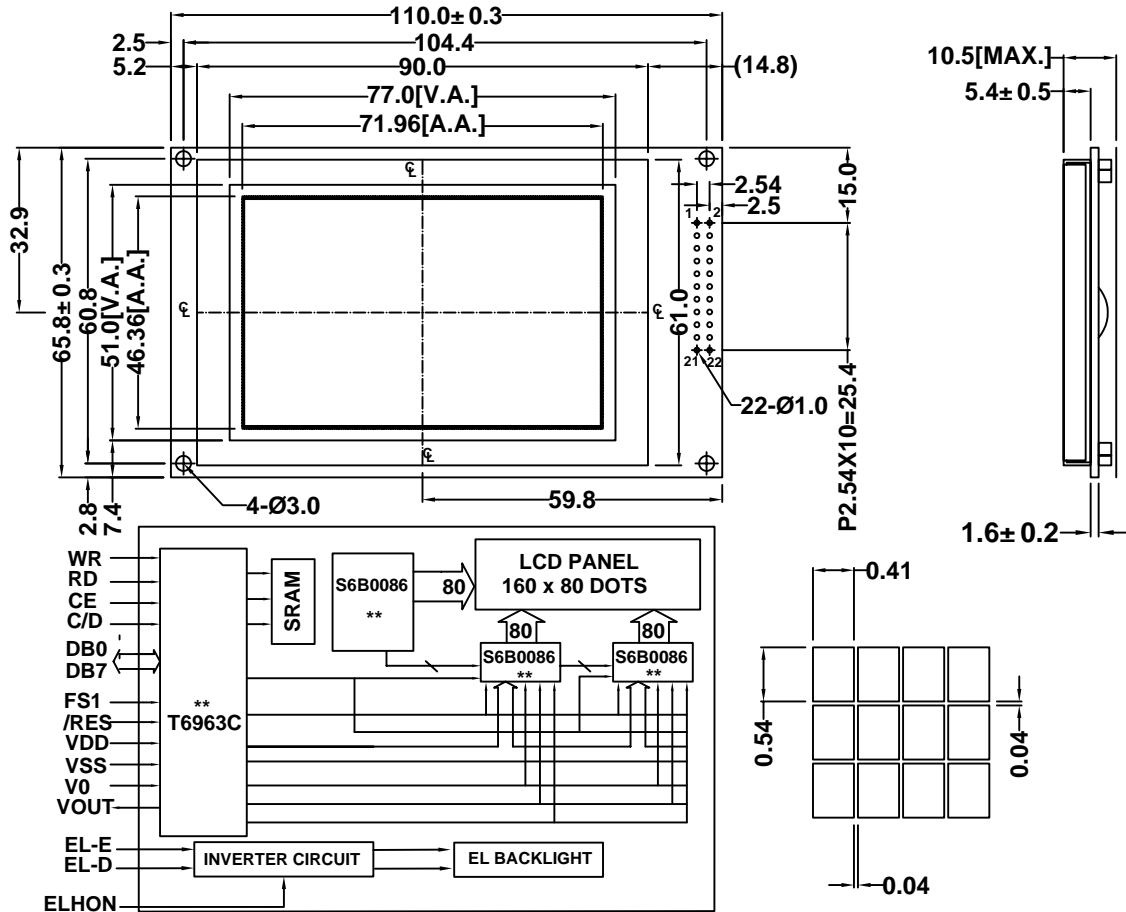


# BHG16080B

## CONTOUR DRAWING & BLOCK DIAGRAM



\*\*OR EQUIVALENT

MECHANICAL SPECIFICATION		
ITEM	SPECIFICATION	UNIT
Module Size	110X65.8X10.5	mm
Viewing Area	77.0X51.0	mm
Number of dots	160X80	dots
Dot Pitch	0.45X0.58	mm
Dot Size	0.41X0.54	mm

ABSOLUTE MAXIMUM RATINGS					
PARAMETER	SYMBOL	MIN.	MAX.	UNIT	
Supply Voltage	Vdd	-0.3	7.0	V	
LCD Supply Voltage	Vlcd(Vdd-V0)	0	30	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	Supply voltage for LCD
4	C/D	Data write/read
5	/WR	Write data in to T6963C
6	/RD	Read data from T6963C
7-14	DB0-DB7	Data bus
15	/CE	Chip enable for T6963c
16	/RST	Reset signal
17	ELHON	EL backlight on signal
18	FS1	Character font select
19	VOUT	About -10 V
20	NC	No connect
21	EL-E/NC	EL signal or No connect
22	EL-D/NC	EL signal or No connect

ELECTRICAL CHARACTERISTICS(Ta=25° C)						
ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage(logic)	Vdd	-	2.7	3.0	5.5	V
Supply Current(logic)	Idd	Vdd=5.0	-	15.5	25.0	mA
Driving Voltage(LCD)	Vlcd	-	12.7	13.0	13.5	V
Driving Current(LCD)	Ilcd	-	-	-	-	mA

BACKLIGHT CHARACTERISTICS (Ta=25° C)						
PARAMETER	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage	Vf	-	-	80	-	V
Lamp Frequency	Fosc	-	-	400	-	Hz

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