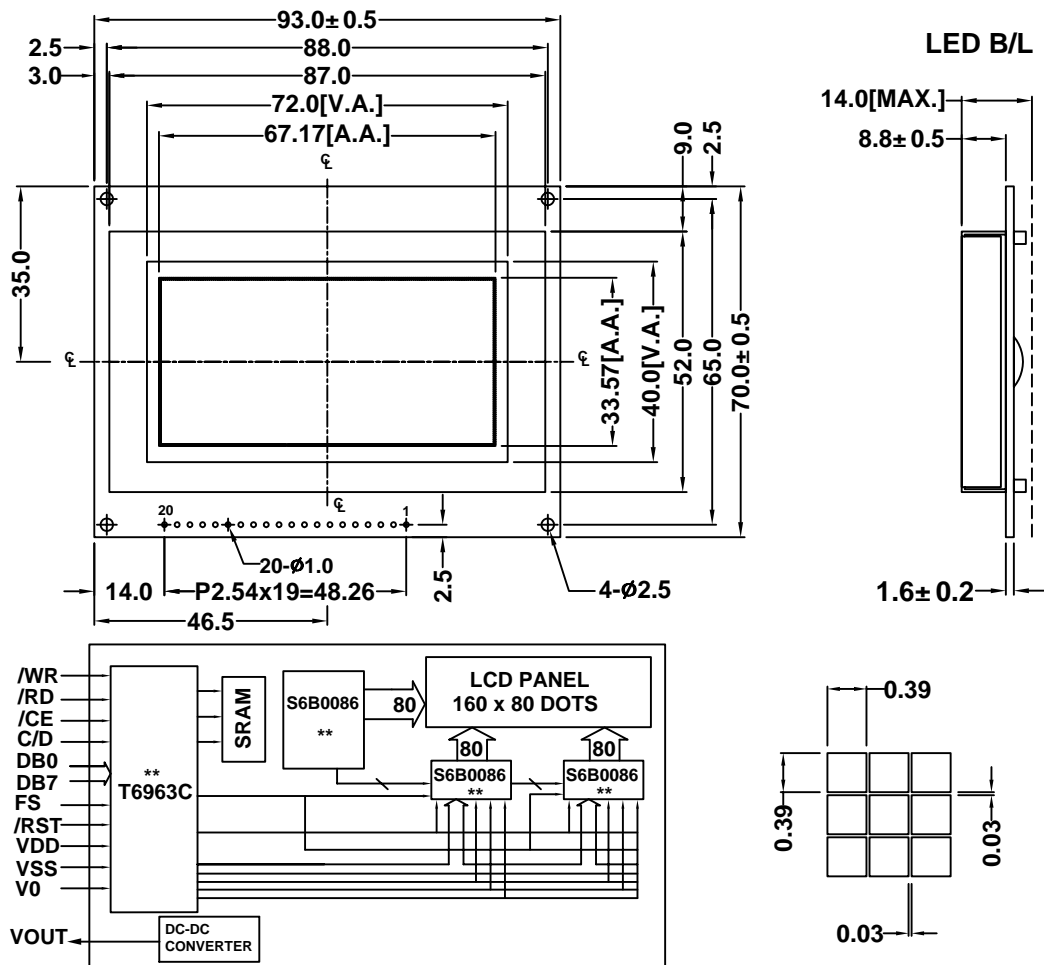


BHG16080A

CONTOUR DRAWING & BLOCK DIAGRAM



* OR EQUIVALENT

MECHANICAL SPECIFICATION		
ITEM	SPECIFICATION	UNIT
Module Size	93.0X70.0X14.0	mm
Viewing Area	72.0X40.0	mm
Number of dots	160X80	dots
Dot Pitch	0.42X0.42	mm
Dot Size	0.39X0.39	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	/WR	Write data in to T6963C
5	/RD	Read data from T6963C
6	/CE	Chip enable for T6963c
7	C/D	Command/Data
8	/RST	Reset
9-16	DB0-DB7	Data bus
17	FS	Pins for selection of font
18	VOUT	Negative Voltage Output/Input
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	-	2.7	3.0	5.5	V
Supply Current(logic)	Idd	Vdd=5.0	-	8.7	-	mA
Driving Voltage(LCD)	Vlcd	-	-	12.0	-	V
Driving Current(LCD)	Ilcd	-	-	-	-	mA

BACKLIGHT CHARACTERISTICS (Ta=25° C)						
PARAMETER	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage	Vf	If=140mA	-	4.8	-	V
LED Forward Current	If	-	-	140	-	mA
LED Dissipation	Pd	-	-	-	-	mW

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