



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V _{DD}	+5V	Power supply for Logic
2	V _{SS}	0V	Ground
3	V _O	-	Driving voltage for LCD
4	/REST	L	Reset signal ,active“L”
5	E1	H/L	Chip 1 Enable signal
6	E2	H/L	Chip 2 Enable signal
7	R/W	H/L	“H” Read,“L” Write
8	A0	H/L	“H” Data, “L” Instruction code
9 16	DB0 DB7	H/L	Data bus line
17	LEDA	+5V	Power supply for LED
18	LEDK	0V	backlight

NOTES:

1. Built-in SBN1661G controller
2. Yelllow-green/Blue mode optional

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	71.0X40.0X13.5	mm
Viewing Area (W x H)	60.0X18.0	mm
Dot Pitch (W x H)	0.40X0.45	mm
Dot Size (W x H)	0.35X0.40	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V _{DD} -V _{SS}	-0.3	7.0	V
Supply Voltage (LCD)	V _{DD} -V _O	-0.3	13.5	V
Input Voltage	V _I	-0.3	V _{DD} +0.3	V
Operating Temp.	T _{OPR}	-20	+70	°C
Storage Temp.	T _{STG}	-30	+80	°C

ELECTRICAL CHARACTERISTICS (V_{DD}=5.0V, Ta=25°C)

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	0.8 V _{DD}		V _{DD}	V
Input Low Voltage	V _{IL}	0	-	0.2V _{DD}	V
Supply Current	I _{DD}	-	1.0	-	mA
LCD Driving Voltage	V _{DD} -V _O	-	4.7	-	V

LED BACKLIGHT SPECIFICATIONS (Ta=25°C)

Item	Forward Voltage	Forward Current
YELLOW-GREEN	4.1V	90 mA
White	3.1V	30mA