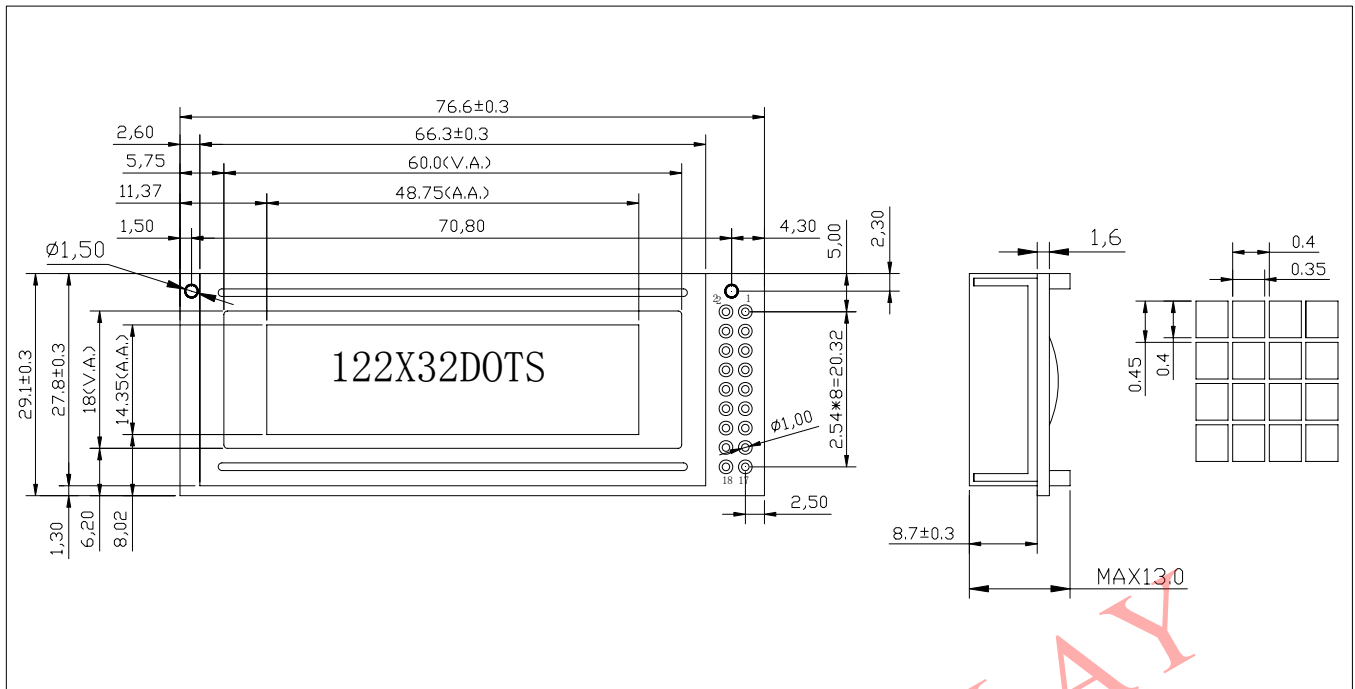




PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V _{DD}	+5V	Power supply for logic
2	V _{SS}	0V	GND
3	V _O	-	Operating 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	Date bus line
17	LEDA	+5V	Power supply for LED backlight
18	LEDK	0V	

NOTES:

1. Built-in SBN1661G controller
2. Yellow-green/Blue mode optional
3. 3.5V/3.3V power supply optional

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	76.6X29.1X13.0	mm
Viewing Area (W x H)	60.0 X18.0	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	8.0	V
Input Voltage	V _I	V _{SS}	V _{DD}	V
Operating Temp	T _{OPR}	-20	70	°C
Storage Temp	T _{STG}	-30	80	°C

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

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	V _{DD} -1.2	-	V _{DD}	V
Input Low Voltage	V _{IL}	0	-	0.8	V
Output High Voltage	V _{OH}	V _{DD} -0.3	-	V _{DD}	V
Output Low Voltage	V _{OL}	0	-	0.3	V
Supply Current	I _{DD}	-	1.0	-	mA
LCD Driving Voltage	V _{DD} -V _O	-	4.7	-	V

LED BACKLIGHT SPECIFICATION (T_a=25°C)

Item	Forward Voltage	Forward Current
WHITE	3.1V	30mA