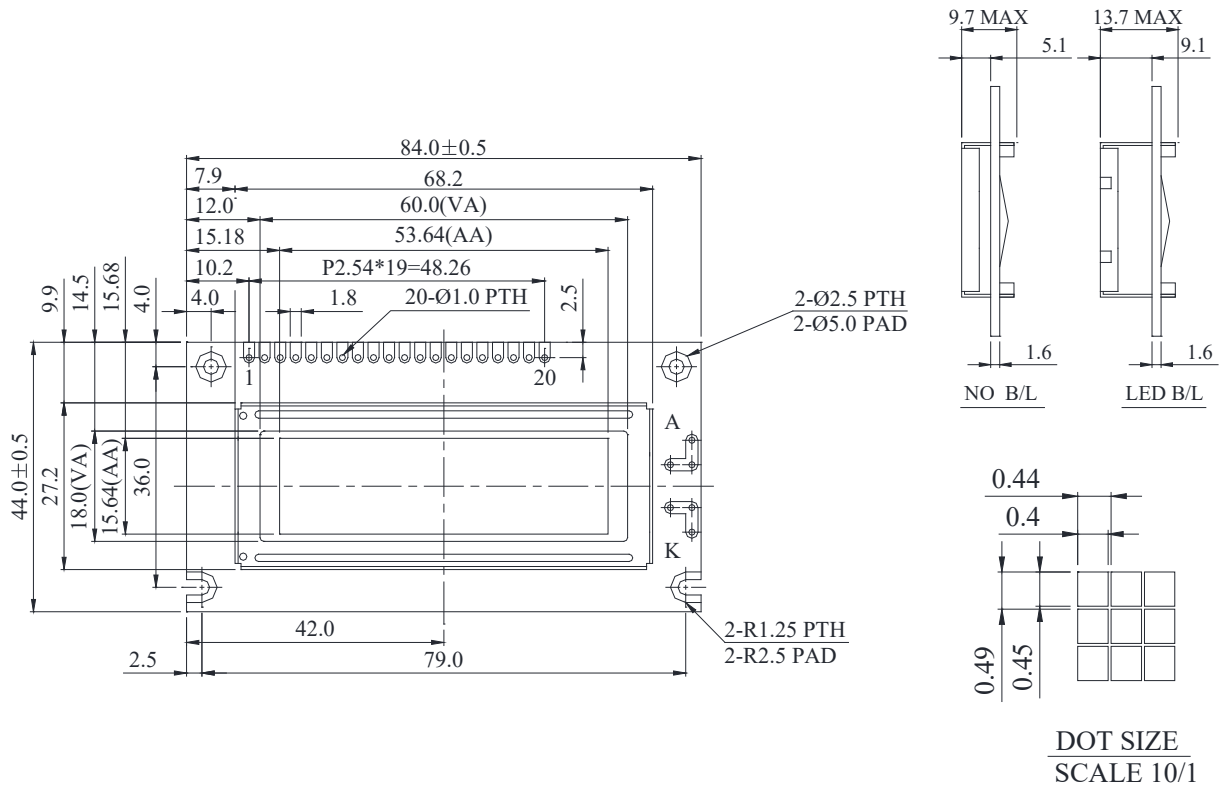
NTG12232A/C Graphic 122x32 dots



Feature

1.Available for internal oscillation (A Type),
External oscillation (C Type) 2KHz
2.Built-in controller Avant (SBN1661G) or equivalent
3.1/32 duty cycle
4.Negative voltage optional for +3V power supply
5.Chinese version: NTG12232L
6.Interface: 6800

Pin No.	Symbol	Description
1	V_{SS}	Ground
2	V_{DD}	Power supply for logic
3	V_O	Contrast Adjustment
4	A0	Data/ Instruction select signal
5	CS1	Chip enable IC1
6	CS2	Chip enable IC2
7	NC/CL	No connection
8	NC/E	No connection
9	R/W	Read/Write select signal
10	DB0	Data bus line
11	DB1	Data bus line
12	DB2	Data bus line
13	DB3	Data bus line
14	DB4	Data bus line
15	DB5	Data bus line
16	DB6	Data bus line
17	DB7	Data bus line
18	RES	Controller reset signal, Active Low
19	A	Power supply for B/L +
20	K	Power supply for B/L -

Mechanical Data

Item	Standard Value	Unit
Module Dimension	84.0 x 44.0	mm
Viewing Area	60.0 x 18.0	mm
Mounting Hole	79.0 x 36.0	mm
Dot Pitch	0.44 x 0.49	mm
Dot Size	0.4 x 0.45	mm

Electrical Characteristics

Item	Symbol	Standard Value typ.	Unit
Input Voltage	VDD	3/5	V
Recommended LCD Driving Voltage for Normal Temp. Version module @25ºC	VDD-VO	4.45	V