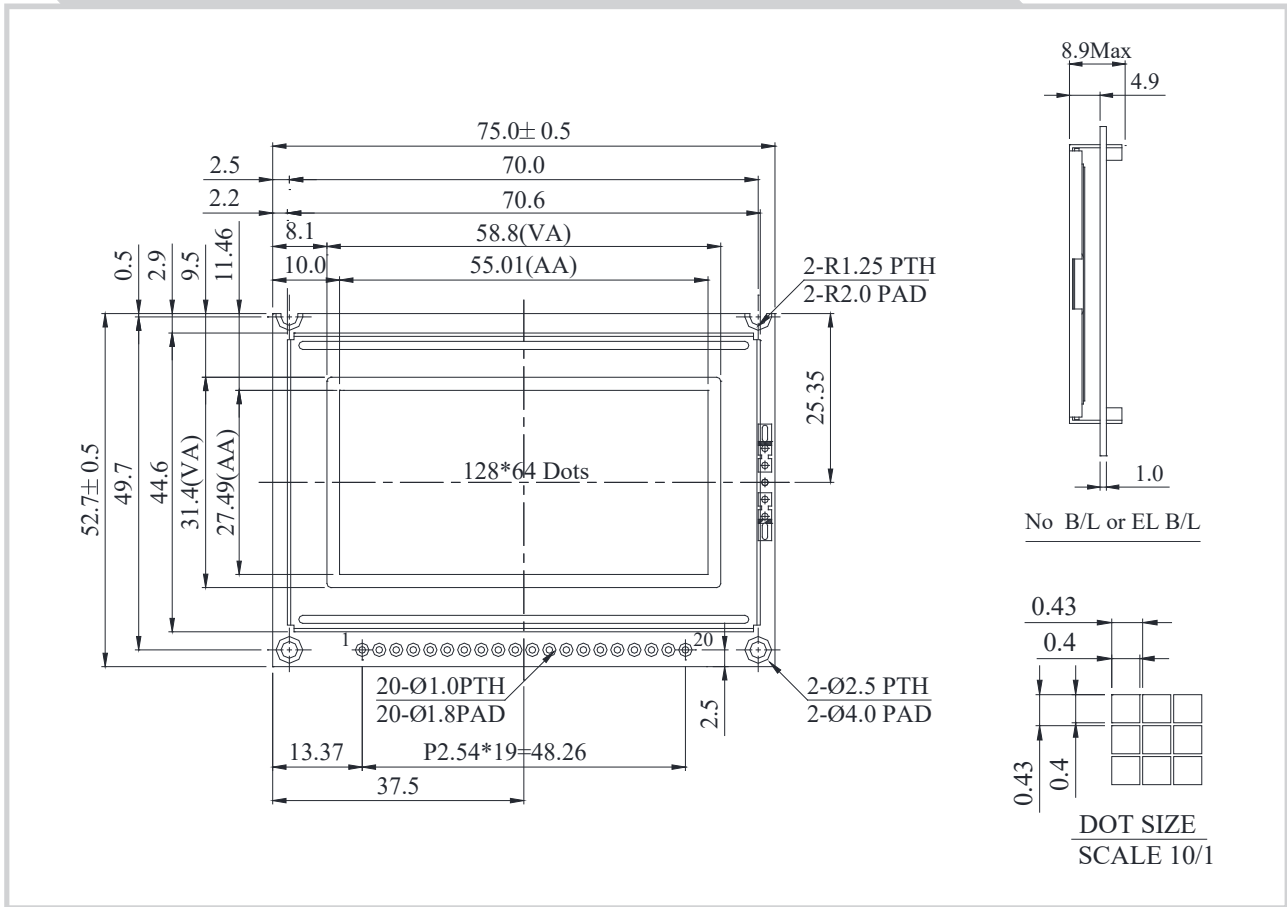


TG12864B Graphic 128x64 dots



Feature

1. Built-in controller (NT7108 or equivalent)
2. 5V power supply
3. 1/64 duty cycle
4. N.V. Built-in
5. NTG12864S: Chinese built-in
6. NTG12864BP1: 3.3V option

Pin No.	Symbol	Description
1	V _{DD}	Power supply for logic
2	V _{SS}	Ground
3	V _O	Contrast Adjustment
4	DB0	Data bus line
5	DB1	Data bus line
6	DB2	Data bus line
7	DB3	Data bus line
8	DB4	Data bus line
9	DB5	Data bus line
10	DB6	Data bus line
11	DB7	Data bus line
12	CS1	Select Column 1~ Column 64
13	CS2	Select Column 65~ Column 128
14	/RST	Controller reset signal, Active Low
15	R/W	Read/Write select signal
16	D/I	Data/ Instruction select signal
17	E	Enable signal
18	V _{EE}	Negative Voltage Output
19	A	Power supply for B/L +
20	K	Power supply for B/L -

Mechanical Data

Item	Standard Value	Unit
Module Dimension	75.0 x 52.7	mm
Viewing Area	58.8 x 31.4	mm
Mounting Hole	70.0 x 49.7	mm
Dot Pitch	0.43 x 0.43	mm
Dot Size	0.40 x 0.40	mm

Electrical Characteristics

Item	Symbol	Standard Value	Unit
		typ.	
Input Voltage	V _{DD}	5.0	V
Recommended LCD Driving Voltage for Normal Temp. Version module @25°C	V _{DD-VO}	8.0	V