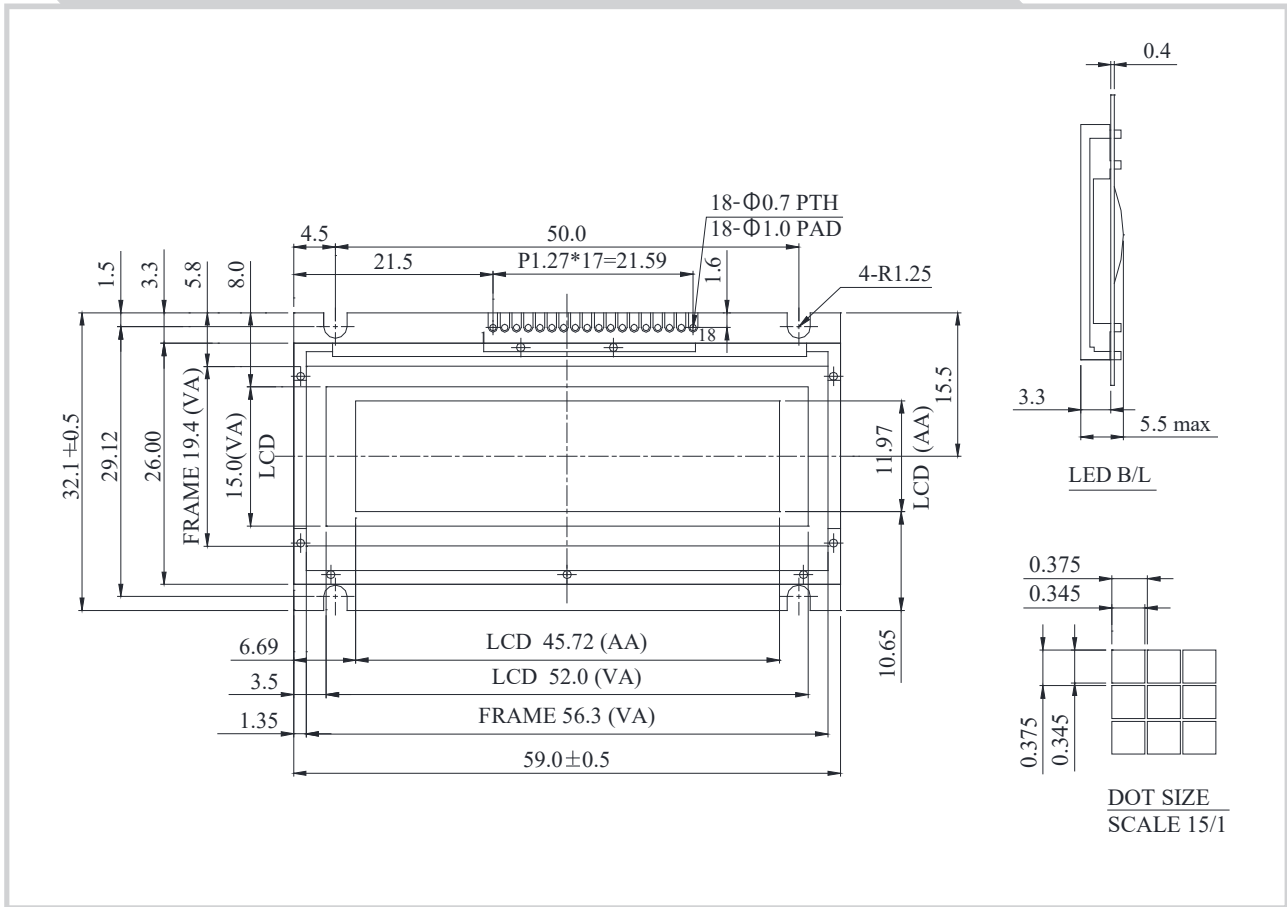


TG12232K Graphic 122x32 dots



Feature

1. Built-in controller Avant (SBN1661G or equivalent)
2. 1/32 duty cycle
3. White LED backlight not available

Pin No.	Symbol	Description
1	NC	No connection
2	V _{SS}	Ground
3	V _{DD}	Power supply for logic
4	V _O	Contrast Adjustment
5	A0	Data/ Instruction select signal
6	E1	Enable signal
7	E2	Enable signal
8	DB0	Data bus line
9	DB1	Data bus line
10	DB2	Data bus line
11	DB3	Data bus line
12	DB4	Data bus line
13	DB5	Data bus line
14	DB6	Data bus line
15	DB7	Data bus line
16	R/W	Read/Write select signal
17	V _{EE}	Negative Voltage Output
18	A	Power supply for B/L +

Mechanical Data

Item	Standard Value	Unit
Module Dimension	59.0 x 32.1	mm
Viewing Area	52.0 x 15.0	mm
Mounting Hole	50.0 x 29.12	mm
Dot Pitch	0.375 x 0.375	mm
Dot Size	0.345 x 0.345	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}	4.70	V