BOLYMIN

BG24064C

Feature

1. SMT PCB with metal frame
2. Built in controller ST7920(240*64dots matrix or 16*16 dots Big5/GB Chinese mode,8*16 dots ASCII mode
3. +5V power supply
4. 1/64 duty
5. LED B/L pins:A/K or 1/2
7. Option: LED, EL B/L, CCFL
8. Option: positive voltage (built-in, external)

Chinese Font

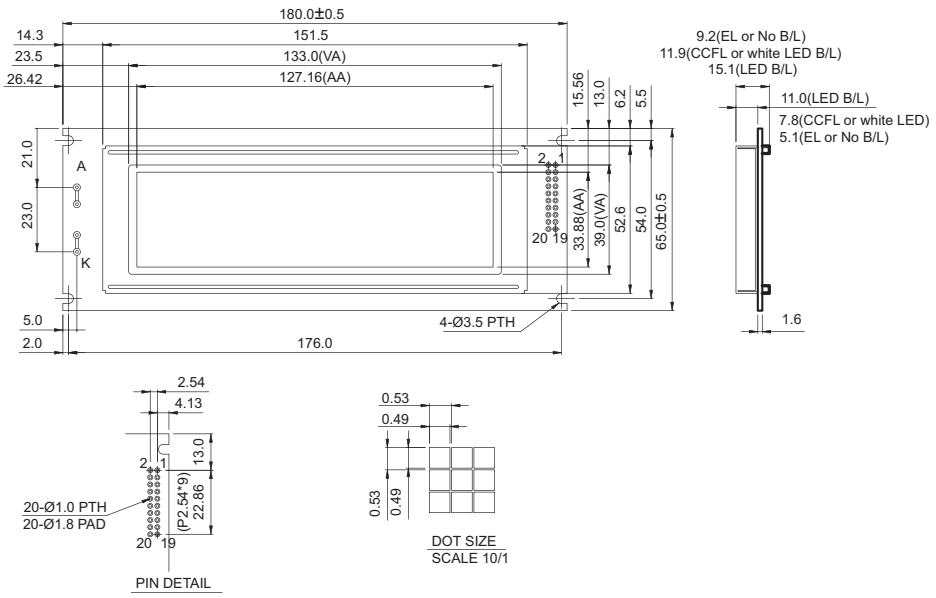
Mechanical Data

Item	Standard Value	Unit
Module Dimension	180.0 x 65.0	mm
Viewing Area	133.0 x 39.0	mm
Dot Size	0.49 x 0.49	mm
Dot Pitch	0.53 x 0.53	mm

Pin Assignment

Pin	Symbol	Function
1	FG	Frame ground
2	Vss	Power supply (GND)
3	Vdd	Power supply (+5V)
4	Vo	Contrast Adjustment
5	E1	Chip select 1 uper 240x32
6	R/W	H:data read, L:data write
7	E2	Chip select 2 lower 240x32
8	RS	Command/data
9	Vee	Positive Voltage output 7V
10	/RST	Reset signal
11~18	DB0~7	Data bus line
19	A	Power supply for LED backlight V+ GND
20	K	Power supply for LED backlight (GND)

Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd = +5V	5.0	V
Supply Current	Idd	Vdd = +5V	50	mA
LCD Driving Voltage	Vo-Vss	25°C	6	V
LED Forward Voltage	Vf	25°C	4.2	V
LED Forward Current	If	25°C	450	mA

Dimension