BOLYMIN

# BP320240E-20b

## Feature

1. FSTN LCD, TAB IC and PCB package
2. Built-in controller SED 13700,USB Interface
3. +5V single power supply,
   with built-in positive voltage for LCD driving
4. 1/240 duty cycle
5. Option: LED/white
6. Option: Touch panel & touch panel controller

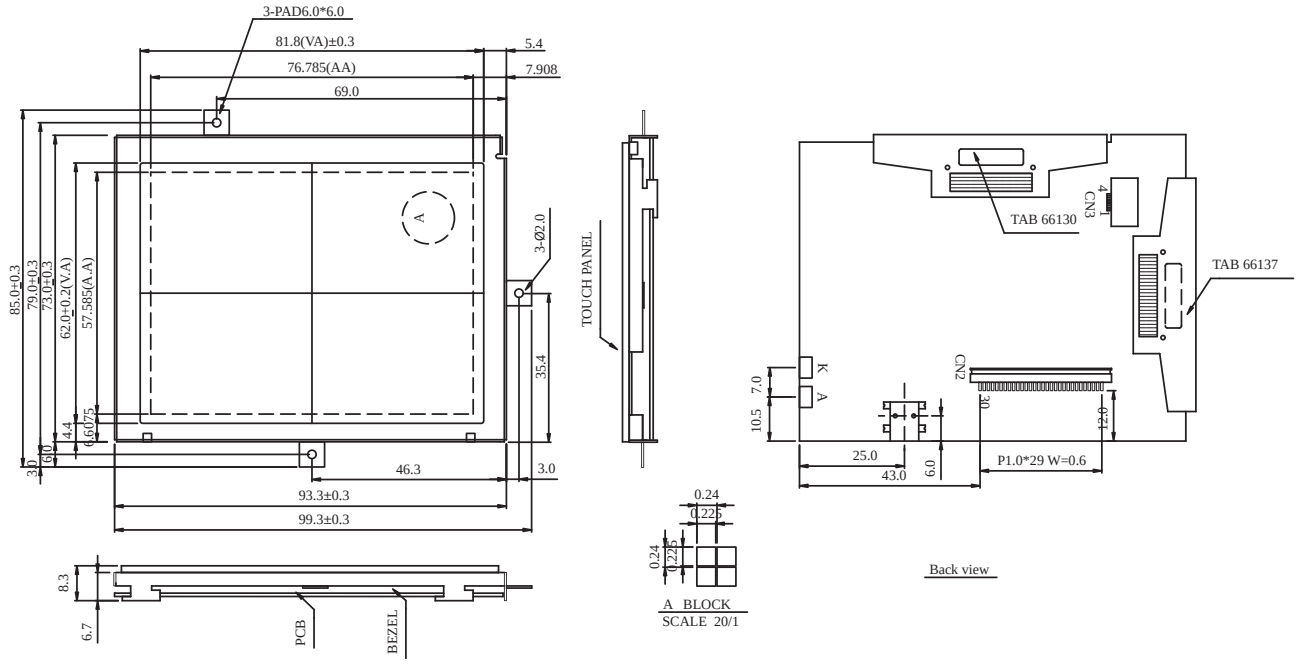
## Mechanical Data

| Item | Standard Value | Unit |
|---|---|---|
| Module Dimension | 98.2 x 85.0 | mm |
| Viewing Area | 81.8 x 62.0 | mm |
| Dot Size | 0.225 x 0.225 | mm |
| Dot Pitch | 0.24 x 0.24 | mm |

## Pin Assignment

| Pin | Symbol | Pin | Symbol | Pin | Symbol |
|---|---|---|---|---|---|
| 1 | Vdd | 8 | TX1 | 15 | /RST |
| 2 | USB D- | 9 | CTS | 16~17 | REL 0~ REL 1 |
| 3 | USB D+ | 10 | SDA | 18~19 | KBC2~KBC3 |
| 4 | GND | 11 | SCL | 20 | WD_RES |
| 5 | RX0 | 12 | ALERT | 21~22 | KBC0~KBC1 |
| 6 | TX0 | 13 | GP2 | 23~30 | KBR0~KBR7 |
| 7 | RX1 | 14 | GP3 | | |

## Electronic Characteristics

| Item | Symbol | Condition | Typical Value | Unit |
|---|---|---|---|---|
| Input Voltage | Vdd | Vdd = +5V | 5.0 | V |
| Supply Current | Idd | Vdd = +5V | 15 | mA |
| LCD Driving Voltage | Vlcd | | 23.5 | V |
| LED Supply Current | I led | Vled = +3.3V | 55 | mA |

## Dimension