

BP320240D

Feature

1. FSTN LCD, TAB IC and PCB package
2. LCD driver only(Recommending SED1335 Controller)
3. +3V ~ +5V single power supply, with built-in positive voltage for LCD driving
4. 1/240 duty cycle
5. Option: EL B/L & EL inverter
6. Option: Touch panel & touch panel controller

Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 85.0 x 99.3 | mm |
| Viewing Area | 62.0 x 81.8 | mm |
| Dot Size | 0.225 x 0.225 | mm |
| Dot Pitch | 0.24 x 0.24 | mm |

Pin Assignment

| Pin | Symbol | Function |
|-------|----------|--|
| 1~4 | DB0-3 | Data bus |
| 5 | /Dispoff | L:display off |
| 6 | FLM | Start line signal |
| 7 | M | Alternate signal |
| 8 | LP | Data latch clock |
| 9 | CP | Data shift clock |
| 10 | Vdd | Power supply (+3V ~ +5V) |
| 11 | Vss | Power supply (GND) |
| 12 | EL-on | H:EL on |
| 13 | Vadj | Contrast adjustment |
| 14 | /RST | Reset signal |
| 15 | SK*/X1** | Serial clock/touch panel left signal (X axis) |
| 16 | D0*/X2** | Data output/touch panel right signal (X axis) |
| 17 | D1*/Y1** | Data input/touch panel upper signal (Y axis) |
| 18 | CS*/Y2** | Chip select/touch panel lower signal (Y axis) |
| 19 | INT | Interrupt signal for Touch Panl controller |
| 20~21 | EL1- EL2 | Power supply for EL B/L (for external EL inverter) |
| 22~24 | NC | |



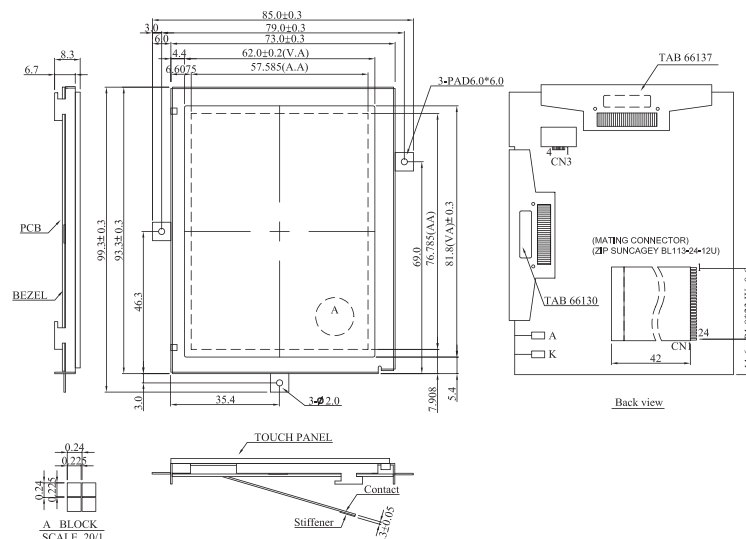
(Options : Frame without ears)



Electronic Characteristics

| Item | Symbol | Condition | Typical Value | Unit |
|-------------------------------------|--------|-------------|---------------|------|
| Input Voltage | Vdd | Vdd = +5.0V | 5.0 | V |
| Supply Current | Idd | Vdd = +5.0V | 15 | mA |
| LCD Driving Voltage | Vlcd | Vadj-Vss | 0.5 | V |
| Built-in EL Inverter Supply Current | Iel | Vel = +3.3V | 55 | mA |

Dimension



The non-specified tolerance of dimension is ±0.3 mm .