



BP240160C

Feature

1. FSTN LCD, TAB IC and PCB package
2. LCD driver only (Recommending SED1335 controller)
3. +3V ~ +5V single power supply,
4. 1/160 duty cycle
5. Option: LED edge B/L, EL B/L , EL inverter
6. Option: Touch panel
7. Option: built-in positive voltage for LCD driving

Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 88.2 x 59.0 | mm |
| Viewing Area | 67.6 x 47.5 | mm |
| Dot Size | 0.225 x 0.225 | mm |
| Dot Pitch | 0.24 x 0.24 | mm |

Pin Assignment

| Pin | Symbol | Function |
|-------|-----------|---|
| 1~4 | D0~D3 | Data bus line |
| 5 | /DISPOFF | Display off control |
| 6 | FLM | First Line Marker |
| 7 | NC | No connection |
| 8 | LP | Data latch clock |
| 9 | CP | Data shift clock |
| 10 | Vdd | Power supply (+3V ~ +5V) |
| 11 | Vss | Power supply (GND) |
| 12 | Vlcd | Positive voltage output (+27V) |
| 13 | Vadj | Contrast adjustment (Vadj - Vss) |
| 14 | LED/EL_on | LED/EL on/off signal (H: on L: off) |
| 15 | Y1 | Touch panel upper signal (Y axis) |
| 16 | X1 | Touch panel right signal (X axis) |
| 17 | Y2 | Touch panel lower signal (Y axis) |
| 18 | X2 | Touch panel left signal (X axis) |
| 19~20 | BL1- BL2 | Power supply for LED & EL B/L (when EL inverter not built-in) |



<LED Version>



<EL Version>

Electronic Characteristics

| Item | Symbol | Condition | Typical Value | Unit |
|-------------------------------------|----------|-----------|---------------|------|
| Input Voltage | Vdd | Vdd = +5V | 5.0 | V |
| Supply Current | Idd | Vdd = +5V | 48 | mA |
| LCD Driving Voltage | Vadj-Vss | 25°C | 19.5 | V |
| Built-in EL Inverter Supply Current | Iel | Vel=+5V | 100 | mA |

Dimension

