

BP160160A

Feature

1. FSTN LCD, TAB IC, TCP package
2. No built-in controller, recommend SED1335
3. +5V power supply
4. 4-Bit data bus
5. 1/160 duty cycle
6. Option: EL B/L & EL invert

Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 69.0 x 69.5 | mm |
| Viewing Area | 60.1 x 60.0 | mm |
| Dot Size | 0.335 x 0.335 | mm |
| Dot Pitch | 0.35 x 0.35 | mm |



Pin Assignment

| Pin | Symbol | Function |
|-------|----------|--|
| 1 | D0~D3 | Data bus line (4 bits) |
| 2 | /DISPOFF | H:Display ON(default) L:Display OFF |
| 3 | FLM | First Line Marker |
| 4 | NC(M) | No connection(M signal input while not built-in circuit) |
| 5~8 | LP | Data latch pulse |
| 9 | CP | Clock signal |
| 10 | Vdd | Power supply for Logic(+5V) |
| 11 | Vss | Power supply (GND) |
| 12 | Vlcd | Positive voltage output +25V |
| 13 | Vadj | Contrast adjustment input (Vadj-Vss=LCD driving voltage) |
| 14 | EL_ON | EL on/off signal H:EL on L: EL off |
| 15 | Y1 | Touch panel upper signal in Y axis |
| 16 | X2 | Touch panel lower signal in Y axis |
| 17 | Y2 | Touch panel lower signal in Y axis |
| 18 | X1 | Touch panel left signal in X axis |
| 19,20 | NC | EL on(off) /NC |

Electronic Characteristics

| Item | Symbol | Condition | Typical Value | Unit |
|-------------------------|--------|-------------------|---------------|------|
| Input Voltage | Vdd | Vdd = +3V | 5.0 | V |
| Supply Current | Idd | Vdd = +3V | 500 | μA |
| LCD Driving Voltage | Vdd-V4 | 25°C | 8.4 | V |
| EL Power Supply Current | VEL | Vel=110 VAC;400Hz | 110 | V |

Dimension

