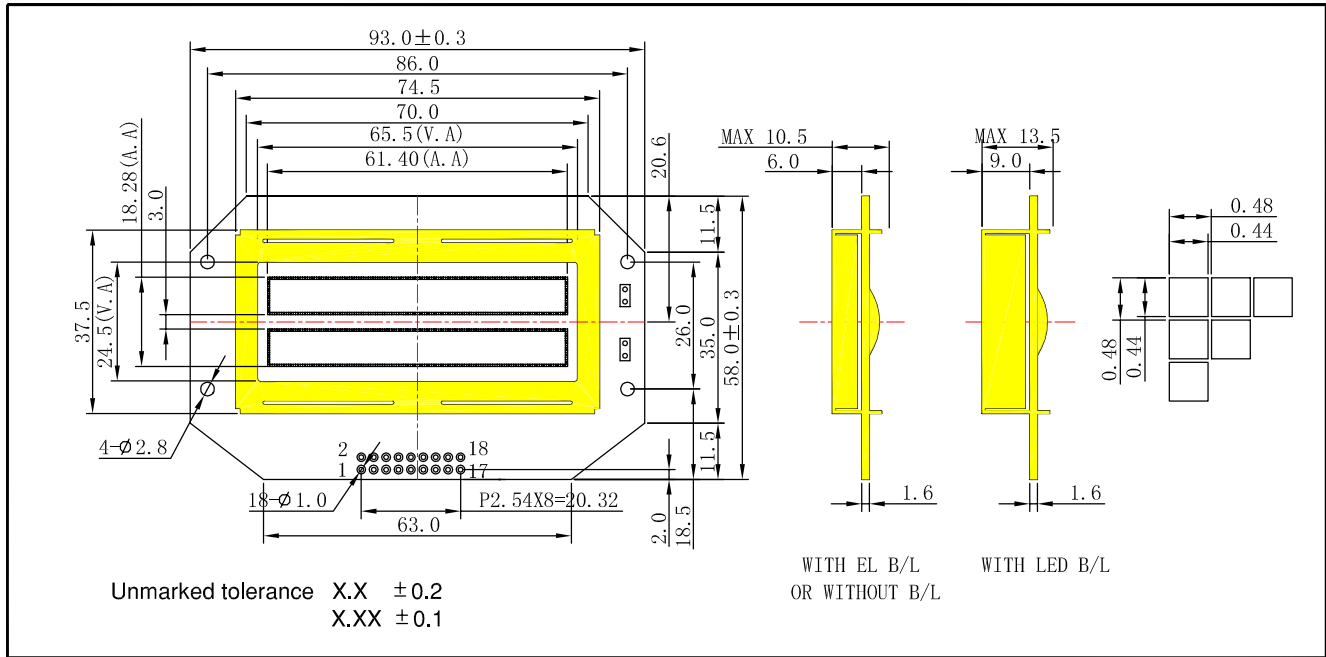
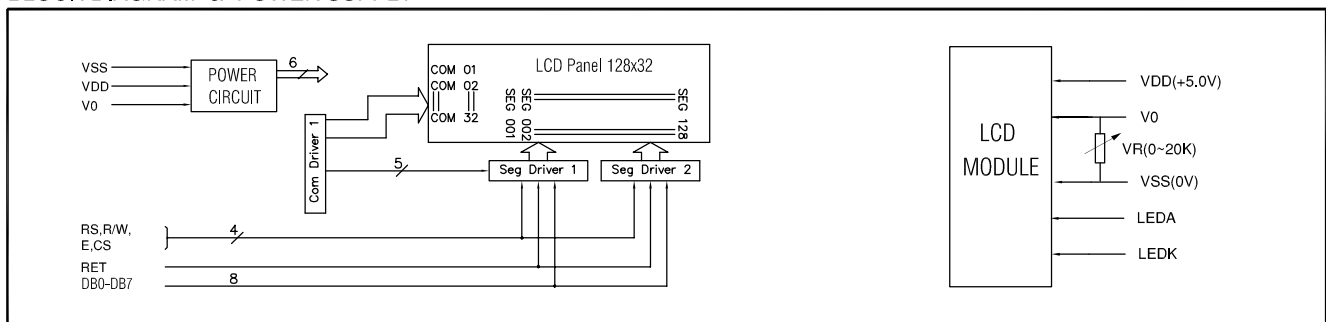


OUTLINE DIMENSIONS



BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPECIFICATIONS & FEATURE

| Item | Normal Dimensions(mm) | FEATURE | |
|---------------------|-----------------------|-----------------------|---|
| Module Size (W*H*T) | 93.0x58.0x10.5/13.5 | LCD Type | STN、FSTN |
| View Area (W*H) | 65.5x24.5 | LCD Colour | STN:Yellow-Green、Gray Other:Gray |
| DotsxDots (W*H) | 128x32 | View Angle | 6 O'clock、12 O'clock |
| Dot Pitch (W*H) | 0.48x0.48 | Display Type | Positive Type、Negative Type |
| Dot Size (W*H) | 0.44x0.44 | Rear polarizer | Transmissive、Reflective、Transflective |
| -- | -- | Operating Temperature | 0°C ~ 50°C、-20°C ~ 70°C |
| --- | --- | Backlight | LED:Yellow EL:Green、Blue-Green、Blue Without |

ELECTRICAL CHARACTERISTICS

| Item | Symbol | Test Condition | Min. | Typ. | Max. | Unit |
|----------------------------------|--------|-----------------------|------|------|------|------|
| Operating Voltage | Vdd | Ta=25° C | --- | 5.0 | --- | V |
| Operating Voltage for LCD | Vlcd | Ta=25° C | --- | 10.0 | --- | V |
| Supply Current | Idd | Ta=25° C, Vdd=5.0V | --- | 2.0 | 3.0 | mA |
| Supply Current for Backlight(EL) | If | Ta=25° C, Vf=110V(AC) | --- | 20 | --- | mA |

INTERFACE PIN CONNECTIONS

| Pin No | Symbol | Level | Description |
|--------|---------|-------|--|
| 1 | V0 | -- | Power supply for LCD drive |
| 2 | VDD | -- | Power supply for Logic(+5.0V) |
| 3 | VSS | -- | Ground for Logic |
| 4 | E | H/H—L | Enable signal for LCM |
| 5 | RS | H/L | Register selection (H:Data register, L:Instruction register) |
| 6 | R/W | H/L | Read/write selection (H:Read,L:Write) |
| 7 | /RST | L | Reset signal |
| 8 | /CS | L | Chip selection |
| 9-16 | DB7-DB0 | H/L | Data bus lines |
| 17 | EL1 | -- | Power supply for EL Backlight |
| 18 | EL2 | -- | Power supply for EI Backlight |

REMARK

Operating voltage option: 5.0V or 3.0V
Negative type LCD colour: Blue