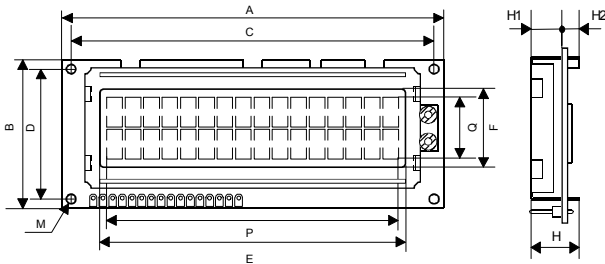


**1. Dimensions**



A x B : Module size \_\_\_\_\_ x \_\_\_\_\_ mm  
 E x F : View area \_\_\_\_\_ x \_\_\_\_\_ mm  
 P x Q : Display area \_\_\_\_\_ x \_\_\_\_\_ mm  
 C : Length between mounting holes \_\_\_\_\_ mm  
 D : Width between mounting holes \_\_\_\_\_ mm  
 M : Diameter of mounting hole \_\_\_\_\_ mm  
 H : Total thickness \_\_\_\_\_ mm  
 H1 : Upper thickness \_\_\_\_\_ mm  
 H2 : Lower thickness \_\_\_\_\_ mm

**2. Display Contents**

- Character type \_\_\_\_\_ characters \_\_\_\_\_ lines  
Character font \_\_\_\_\_ x \_\_\_\_\_ dots + cursor
- Graphics type \_\_\_\_\_ x \_\_\_\_\_ dots  
Dot pitch \_\_\_\_\_ mm  
Dot size \_\_\_\_\_ x \_\_\_\_\_ mm
- Others (segment type, annunciator, etc.) \_\_\_\_\_

**3. LCD**

- ◆ View angle:
  - 6 o'clock  12 o'clock
  - 3 o'clock  9 o'clock
- ◆ Type
  - TN
  - STN :  yellow green  Gray  Blue
  - FSTN (Black & White)
  - Others \_\_\_\_\_
  - Positive type  Negative type
  - Reflective  Transflective  Transmissive
- ◆ Visual Specifications:
  - Normal  Anti-glare  \_\_\_\_\_
- ◆ Driving method
  - Multiplexing: 1/ \_\_\_\_\_ duty, 1/ \_\_\_\_\_ bias
  - Frame frequency: \_\_\_\_\_ Hz
- ◆ Temperature Range
  - Operating temperature range:
    - 10°C to 60°C,  \_\_\_\_\_°C to \_\_\_\_\_°C
  - Storage temperature range:
    - 20°C to 70°C,  \_\_\_\_\_°C to \_\_\_\_\_°C

**4. Contrast Adjustment**

Method: \_\_\_\_\_  Built-in  External

**5. I/O Terminals**

Specifying allocation:  Yes  No  
 Specifying position:  Yes  No

**6. IC**

LCD driver  
 Segment Driver \_\_\_\_\_  
 Common Driver \_\_\_\_\_  
 Controller: \_\_\_\_\_  Built-in  External  
 MPU: \_\_\_\_\_  Built-in  External

**7. Power supply**

LCD driver  
 Single power supply  5V  \_\_\_\_\_ V  
 2 power suppliers  
 For logic :  $V_{DD}-V_{SS} =$  \_\_\_\_\_ V  
 For LCD drive:  $V_{DD}-V_{LCD} =$  \_\_\_\_\_ V

**8. Backlight**

- Without
- With
  - EL :  Green-Blue  White
  - LED :  Yellow green  Amber
  - CCFL:  White  \_\_\_\_\_
  - Bottom type  Edge type
  - Brightness \_\_\_\_\_ cd/m<sup>2</sup>
  - Inverter :  Unnecessary  Necessary
  - Brightness adjustment :  Unnecessary  Necessary

**9. Current Consumption**

Typ. \_\_\_\_\_ mA, Max. \_\_\_\_\_ mA

**10. Temperature Compensation Circuit**

Compensation range:  0°C to 40°C,  
 \_\_\_\_\_°C to \_\_\_\_\_°C

**11. Others**

\_\_\_\_\_  
 \_\_\_\_\_

**12. Application**

\_\_\_\_\_  
 \_\_\_\_\_

**13. Schedule**

Engineering Sample :  
 Quantity \_\_\_\_\_ pcs , Date \_\_\_\_\_  
 Pilot Run :  
 Quantity \_\_\_\_\_ pcs , Date \_\_\_\_\_  
 Mass Pro. :  
 Quantity \_\_\_\_\_ pcs , Date \_\_\_\_\_  
 Estimate :  
 Total Quantity \_\_\_\_\_ pcs/annual  
 \_\_\_\_\_ pcs/project