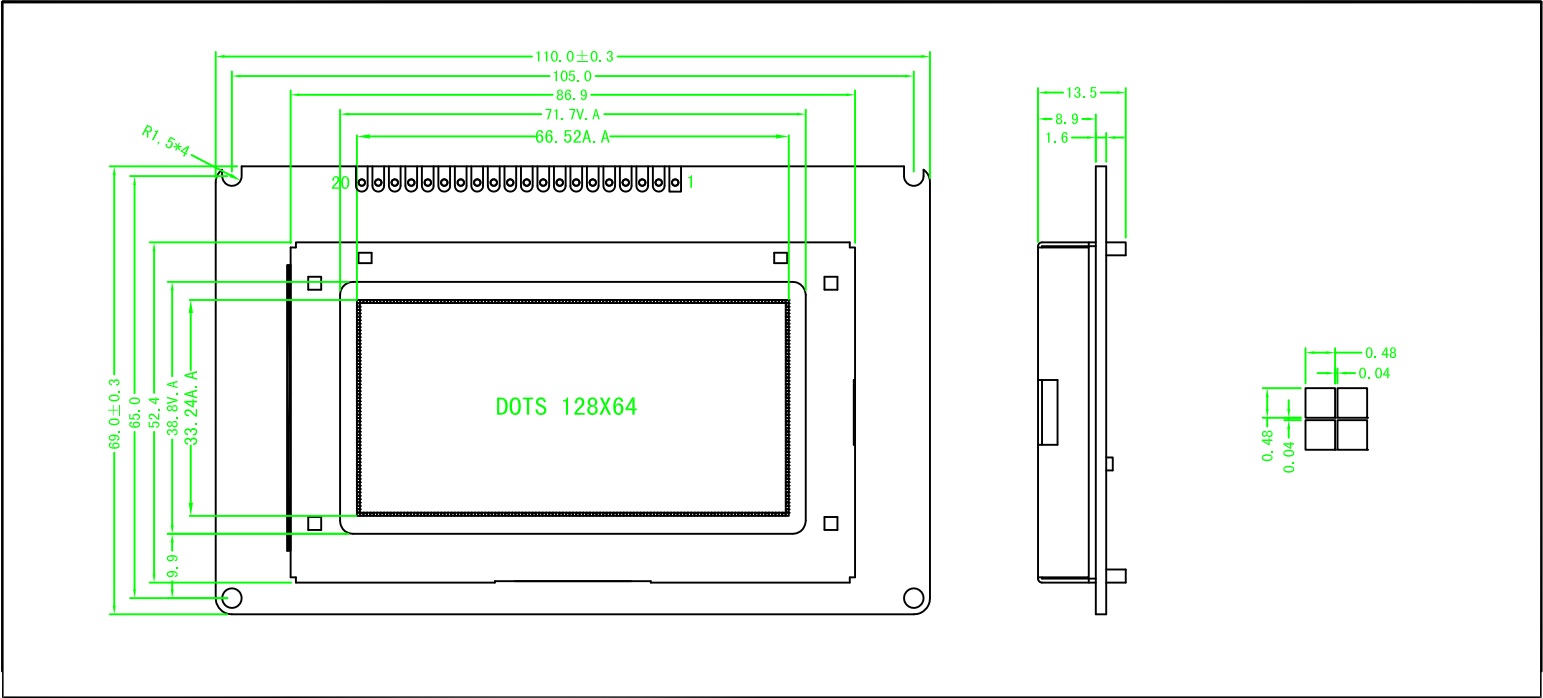
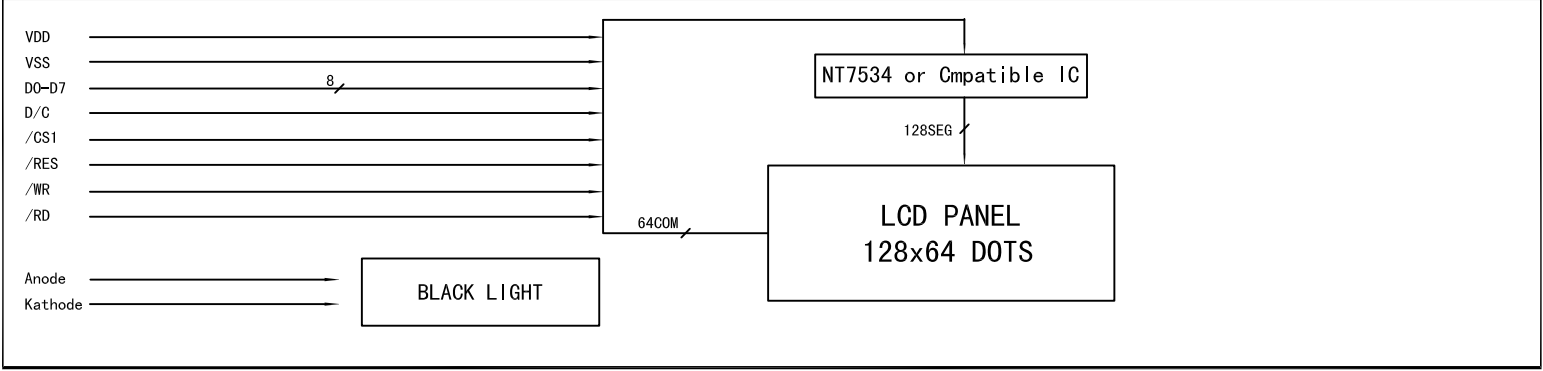


1.0 DIMENSIONAL DRAWING



2.0 BLOCK DIAGRAM & POWER SUPPLY



3.0 MECHANICAL SPECIFICATIONS & FEATURE

| Item                | Nominal Dimensions (mm) | Feature               |                    |
|---------------------|-------------------------|-----------------------|--------------------|
|                     |                         | LCD Type              | STN, Anti U. V     |
| Module Size (W*H*T) | 110.0 × 69.0 × 13.5     | LCD Coloure           | Yellow-green       |
| View Area (W*H)     | 71.7 × 38.8             | View Angle            | 6 O'clock          |
| Dot × Dot (W*H)     | 128 × 64                | Display Type          | Positive Type      |
| Dot Pitch (W*H)     | 0.52 × 0.52             | Rear Polarizer        | Transmissive       |
| Dot Size (W*H)      | 0.48 × 0.48             | Operating Temperature | -15° C to +65° C   |
| ---                 | ---                     | Storage Temperature   | -20° C to +70° C   |
| ---                 | ---                     | Backlight             | LED (yellow-green) |

4.0 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           | ---  | 9.0  | ---  | V    |
| Supply Current               | Idd    | Ta=25° C, Vdd=3.0V | ---  | 15   | ---  | μA   |
| Supply Current For Backlight | If     | Ta=25° C, VAK=3.0V | ---  | 15   | ---  | mA   |

5.0 INTERFACE PIN CONNECTIONS

| Pin No. | Symbol | Level            | Description  |
|---------|--------|------------------|--|
| 1       | VSS    | 0V               | LCM Power Supply Negative Input Terminal           |
| 2       | VDD    | 5.0V             | LCM Power Supply Positive Input Terminal           |
| 3       | NC     |                  |  |
| 4       | D/C    | H/L              | LCM Data/command Signal Input Terminal             |
| 5       | R/W    | L                | LCM Read/Write Signal Input Terminal               |
| 6       | E      | H <sub>L</sub> F | LCM Enable Signal Input Terminal                   |
| 7-14    | DO-D7  | TRI-STATE        | LCM 8-bits Data Input Terminal                     |
| 15-16   | NC     |                  |  |
| 17      | /RES   | H→L, H           | LCM Reset Signal Input Terminal                    |
| 18      | VSS    | 0V               | LCM Power Supply Negative Input Terminal           |
| 19      | A      | 5.0V             | LED Backlight Power Supply Negative Input Terminal |
| 20      | VSS    | 0V               | LCM Power Supply Negative Input Terminal           |