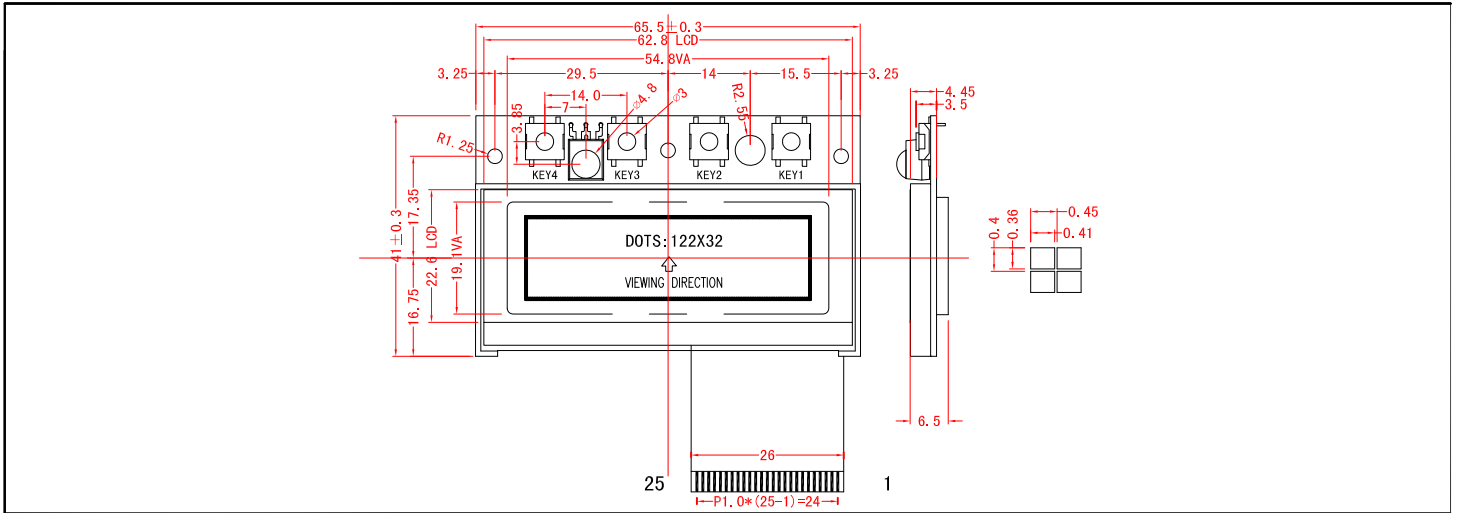
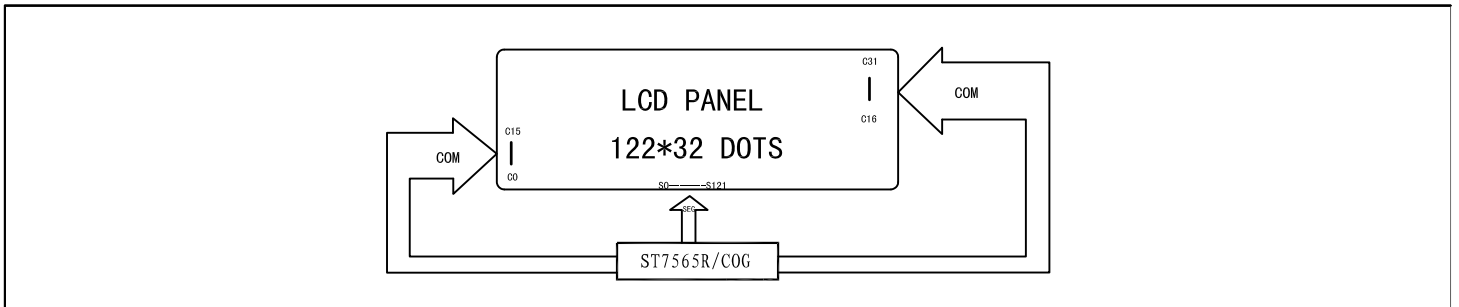


1.0 DIMENSIONAL DRAWING



2.0 BLOCK DIAGRAM



3.0 MECHANICAL SPECIFICATIONS & FEATURE

| Item                | Nominal Dimensions (mm) | Feature               |                  |
|---------------------|-------------------------|-----------------------|------------------|
|                     |                         | LCD Type              | STN              |
| Module Size (W×H×T) | 65.5×41.0×6.5           | LCD Colure            | YELLOW-GREEN     |
| View Area (W×H)     | 63.3×22.6               | View Angle            | 6 0' c'clock     |
| Area Area (W×H)     | 54.8×19.1               | Display Type          | POSITIVE         |
| Number of Dots      | 122×32                  | Rear Polarizer        | REFLECTIVE       |
| Dots Size (W×H)     | 0.40×0.45               | Operating Temperature | -30° C to +70° C |
| Dots Pitch (W×H)    | 0.36×0.41               | Storage Temperature   | -40° C to +80° C |
| ---                 | 8080                    | Backlight             | LED (Blue)       |

4.0 ELECTRICAL CHARACTERISTICS

| Item                         | Symbol | Test Condition     | Min. | Typ. | Max. | Unit |
|------------------------------|--------|--------------------|------|------|------|------|
| Operating Voltage            | Vdd    | Ta=25° C           | 2.8  | 3.3  | 3.6  | V    |
| Operating Voltage For LCD    | Vlcd   | Ta=25° C           | ---  | 9.0  | ---  | V    |
| Supply Current               | Idd    | Ta=25° C, Vdd=3.0V | ---  | 100  | ---  | μA   |
| Supply Current For Backlight | If     | Ta=25° C, VAK=3.0V | ---  | 30   | ---  | mA   |

5.0 INTERFACE PIN CONNECTIONS

| Pin No. | Symbol  | Level  | Description  |
|---------|---------|--------|--|
| 1       | VDD     | 3.3V   | LCM Power Supply Positive Input Terminal           |
| 2       | VSS     | 0V     | LCM Power Supply Negative Input Terminal           |
| 3       | NC      | ---    |  |
| 4       | /RES    | H→L, H | LCM Reset Signal Input Terminal                    |
| 5       | /CS     | L      | LCM Selection Signal Input Terminal                |
| 6       | /RD     | H→L, H | LCM Clock Signal Input Terminal                    |
| 7       | /WR     | H/L    | LCM R/W Signal Input Terminal                      |
| 8       | RS      | H/L    | LCM Data/command Signal Input Terminal             |
| 9-16    | DB0-DB7 | H/L    | LCM I/O Parallel Data                              |
| 17      | A       | 3.0V   | LED Backlight Power Supply Positive Input Terminal |
| 18      | K       | 0V     | LED Backlight Power Supply Negative Input Terminal |
| 19      | RFVDD   | 3.3V   | RF Power Supply Positive Input Terminal            |
| 20      | VSS     | 0V     | LCM Power Supply Negative Input Terminal           |
| 21      | RFDATA  |        | RF output DATA                                     |
| 22      | K1      | L      | KEY1 INPUT   |
| 23      | K2      | L      | KEY2 INPUT   |
| 24      | K3      | L      | KEY3 INPUT   |
| 25      | K4      | L      | KEY4 INPUT   |