



Features:

- Resolution: 132S*64C Dots
- Duty ratio: 1/65
- LCD Option: STN
- Backlight option (H2/H1): None (-/2.0)
- Controller IC: ST7565S

| Pin Assignment | | | |
|----------------|--------|---------|--------|
| Pin No. | Symbol | Pin No. | Symbol |
| 1 | /CS1 | 15 | VSS |
| 2 | /RES | 16 | VOUT |
| 3 | AO | 17 | CAP3- |
| 4 | /WR | 18 | CAP1+ |
| 5 | /RD | 19 | CAP1- |
| 6 | D0 | 20 | CAP2- |
| 7 | D1 | 21 | CAP2+ |
| 8 | D2 | 22 | CAP4- |
| 9 | D3 | 23 | V1 |
| 10 | D4 | 24 | V2 |
| 11 | D5 | 25 | V3 |
| 12 | D6 | 26 | V4 |
| 13 | D7 | 27 | V5 |
| 14 | VDD | 28 | VR |

| Absolute Maximum Rating | | | | | | | |
|----------------------------------|---------|-----------|-------|---------|-------|-------|---|
| Item | Symbol | Condition | Min. | Max. | Units | | |
| Supply for logic voltage | Vdd-Vss | 25°C | -0.3 | 5.0 | V | | |
| LCD driving supply voltage | Vdd-Vee | 25°C | -13.0 | +0.3 | V | | |
| Input voltage | Vin | 25°C | -0.3 | Vdd+0.3 | V | | |
| Electrical Characteristics | | | | | | | |
| Item | Symbol | Condition | Min. | Typical | Max. | Units | |
| Power supply voltage | Vdd-Vss | 25°C | 3.1 | 3.3 | 3.5 | V | |
| LCD operation voltage | Vop | Top | N | W | N | W | V |
| | | -20°C | - | - | - | - | V |
| | | 0°C | - | - | - | - | V |
| | | 25°C | - | 8.85 | - | 9.15 | V |
| | | 50°C | - | - | - | - | V |
| | | 70°C | - | - | - | - | V |
| LCM current consumption (No B/L) | Idd | Vdd=3.3V | - | 1.1 | 1.65 | mA | |