

### Part number list

WO24064A1-□□□-□□#

### Feature

1. Built-in controller ST7565P
2. Built-in oscillation and voltage regulator
3. +3.3V single power supply
4. 6800 / 8080 / SPI interface

### Pin Assignment

| Pin No. | Symbol          | Description                                     |
|---------|-----------------|-------------------------------------------------|
| 1       | NC              | No connection                                   |
| 2       | FR              | Scan start-up signal                            |
| 3       | CL              | External clock 2KHZ                             |
| 4       | /DOF            | This is the LCD blanking control terminal.      |
| 5       | /CS1            | The chip select signal                          |
| 6       | CS2             | The chip select signal                          |
| 7       | /RES            | Controller reset signal, Active Low             |
| 8       | A0              | Data/ Instruction select signal                 |
| 9       | /WR             | Data write. Write data into LCD Controller      |
| 10      | /RD             | Data read. Read data from LCD Controller        |
| 11~18   | DB0~DB7         | Data bus line                                   |
| 19      | V <sub>DD</sub> | Power supply for logic                          |
| 20      | V <sub>SS</sub> | Ground                                          |
| 21      | Vout            | Positive Voltage output                         |
| 22      | C3+             | DC/DC voltage converter.                        |
| 23      | C1-             | DC/DC voltage converter.                        |
| 24      | C1+             | DC/DC voltage converter.                        |
| 25      | C2+             | DC/DC voltage converter.                        |
| 26      | C2-             | DC/DC voltage converter.                        |
| 27      | V4              | Bias voltage levels for LCD driving             |
| 28      | V3              | Bias voltage levels for LCD driving             |
| 29      | V2              | Bias voltage levels for LCD driving             |
| 30      | V1              | Bias voltage levels for LCD driving             |
| 31      | V0              | Bias voltage levels for LCD driving             |
| 32      | VR              | LCD Contrast Adjustment when IRS = "L"          |
| 33      | C86             | Interface selection 6800/8080                   |
| 34      | P/S             | Selects the interface type: Serial or Parallel. |
| 35      | NC              | No connection                                   |
| 36      | NC              | No connection                                   |

### Mechanical Data

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 149.5 x 51.7   | mm   |
| Active Area      | 127.17 x 33.89 | mm   |
| Dot Pitch        | 0.53 x 0.53    | mm   |
| Dot Size         | 0.50 x 0.50    | mm   |

### Electrical Characteristics

| Item          | Symbol | Standard Value | Unit |
|---------------|--------|----------------|------|
|               |        | typ.           |      |
| Input Voltage | VDD    | 3.3            | V    |

### Mechanical Drawing

