

### Part number list

WO24064C-□□□-□□#

### Feature

1. Built-in controller ST7586S
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       | VG              | VG is the power of SEG-drivers.                                             |
| 2       | XV0             | Negative operating voltage of COM-drivers.                                  |
| 3       | V0              | Positive operating voltage for Vop generator.                               |
| 4       | VM              | VM is the non-select voltage level of COM-drivers.                          |
| 5       | VDDA            | Analog power for internal booster.                                          |
| 6       | V <sub>SS</sub> | Ground                                                                      |
| 7       | VD1             | VD1 is the power source of digital circuits.                                |
| 8       | VDD1            | Power of interface I/O circuit.                                             |
| 9       | CSB             | Chip select input pins                                                      |
| 10      | IF3             | These pins select interface operation mode.                                 |
| 11      | IF2             | "110" : 80 series. "100" : 68 series. "011" : SPI-4                         |
| 12      | IF1             | "010" : SPI-3                                                               |
| 13      | RSTB            | Controller reset signal, Active Low                                         |
| 14      | /RD(E)          | 8080 family: Read signal, 6800 family: Enable clock                         |
| 15      | D7              | Data bus line                                                               |
| 16      | D6              | Data bus line                                                               |
| 17      | D5              | Data bus line                                                               |
| 18      | D4              | Data bus line                                                               |
| 19      | D3              | Data bus line                                                               |
| 20      | D2              | Data bus line                                                               |
| 21      | D1              | Data bus line                                                               |
| 22      | D0              | Data bus line                                                               |
| 23      | NC              | No connection                                                               |
| 24      | /WR(R/W)        | 8080 family: Write signal, 6800 family: Read/Write signal                   |
| 25      | A0(SCL)         | Data/ Instruction select signal / In serial mode used as SCL (serial-clock) |
| 26      | V <sub>SS</sub> | Ground                                                                      |

### Mechanical Data

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 111.4 x 45.5   | mm   |
| Active Area      | 103.17 x 27.49 | mm   |
| Dot Pitch        | 0.43 x 0.43    | mm   |
| Dot Size         | 0.40 x 0.40    | mm   |

### Electrical Characteristics

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

### Mechanical Drawing

