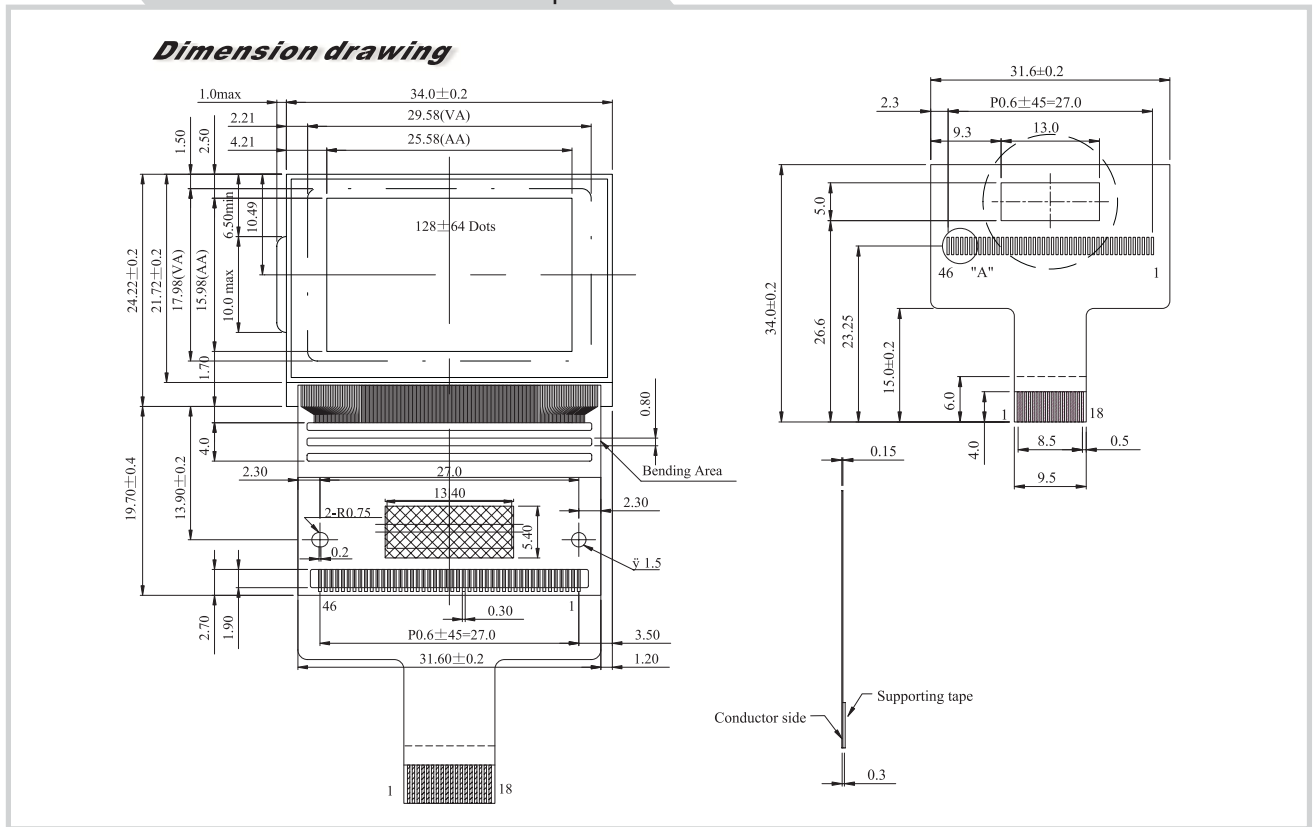




WX12864AP1 128x64 Graphic



Graphic type

Feature

1. Built-in controller samsung(ks0713)
2. 1/65 duty cycle
3. +3.5v power supply

| Pin NO. | Symbol | Function |
|---------|--------|-----------------------------|
| 1 | VDD | Power supply for logic |
| 2 | VSS | GND |
| 3 | CS1B | chip select input pin? |
| 4 | CS2 | chip select input pin? |
| 5 | RES | Reset |
| 6 | RS | Register select signal |
| 7 | R/W | H/L Read/Write signal |
| 8 | E | H→L Enable signal |
| 9 | DB0 | Data bus line |
| 10 | DB1 | Data bus line |
| 11 | DB2 | Data bus line |
| 12 | DB3 | Data bus line |
| 13 | DB4 | Data bus line |
| 14 | DB5 | Data bus line |
| 15 | DB6 | Data bus line |
| 16 | DB7 | Data bus line |
| 17 | MI | H:6800-series L:8080-series |
| 18 | P/S | H:Parallel L:serial |

Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 34.0x65.6x1.9 | mm |
| Viewing Area | 29.58x17.98 | mm |
| Mounting hole | 0.18x0.23 | mm |
| Dot Pitch | 0.2x0.25 | mm |

Absolute Maximum Rating

| Item | Symbol | Standard Value | | | Unit |
|---------------|---------|----------------|------|------|------|
| | | min. | typ. | max. | |
| Power Supply | VDD-VSS | -2.4 | --- | 3.5 | V |
| Input Voltage | VI | -0.3 | --- | VDD | V |

Note : VSS=0 Volt, VDD=5.0 Volt.

Electronical Characteristics

| Item | Symbol | Condition | Standard Value | | | Unit |
|--|--------|------------------|--------------------|------|-----------------|------|
| | | | min. | typ. | max. | |
| Input Voltage | VDD | L level | 0.8V _{DD} | --- | V _{DD} | V |
| | VIO | H level | --- | --- | --- | V |
| Supply Current | IDD | VDD=+5V | --- | --- | --- | mA |
| Recommended LC Driving Voltage for Normal Temp. Version module | VDD-V0 | -20°C | --- | --- | 10.5 | V |
| | | 0°C | --- | --- | --- | |
| | | 25°C | --- | 8.4 | --- | |
| | | 50°C | --- | 7.0 | --- | |
| LED Forward Voltage | VF | 25°C | --- | --- | --- | V |
| LED Forward Current | IF | 25°C | --- | --- | --- | mA |
| | CCFL | 25°C | --- | --- | --- | Vms |
| EL | VF | 25°C | --- | --- | --- | mA |
| | IF | 25°C | --- | --- | --- | mA |
| EL | IEL | Vel=110vac;400Hz | --- | --- | --- | mA |

