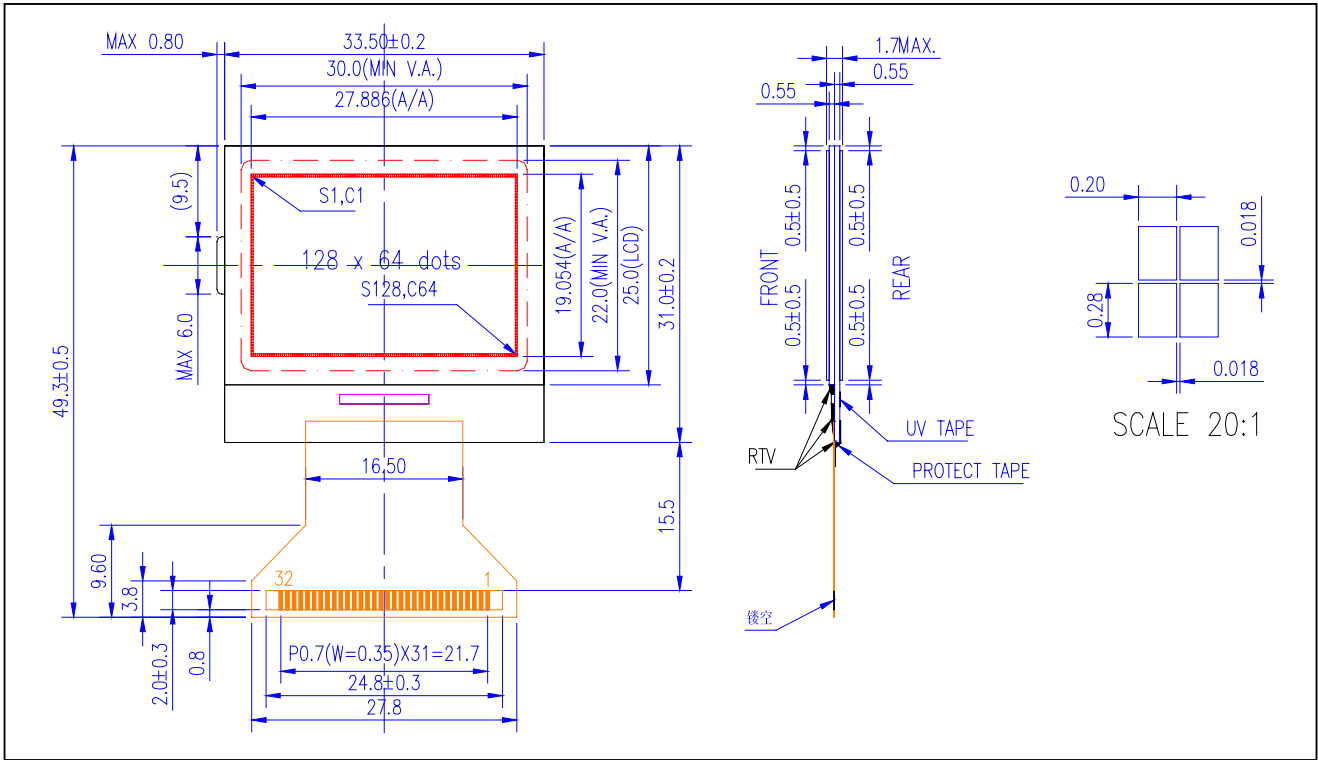




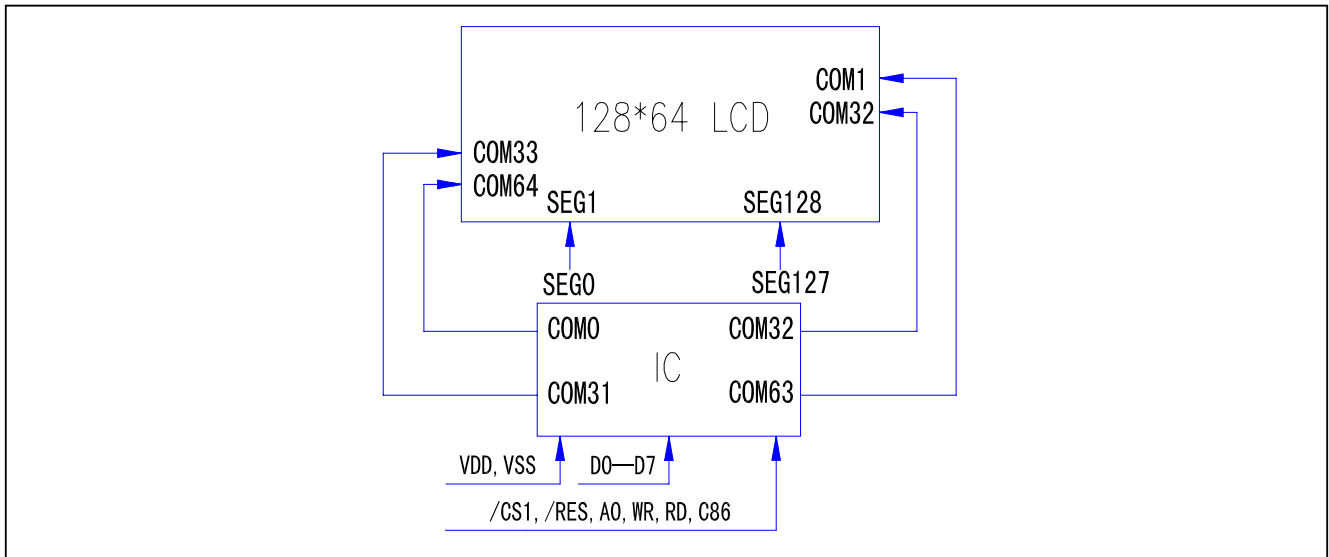
JYG-12864G8G(R)-VA

1/64 DUTY, 1/9 BIAS
128x64 DOTS

1.0 DIMENSIONAL DRAWING



2.0 BLOCK DIAGRAM



3.0 ELECTRICAL CHARACTERISTICS

Ta=25 °C VDD=3.0V±0.2V

| Item | Symbol | Test Condition | Standard Value | | | |
|-----------------------|---------|----------------|----------------|------|------|------|
| | | | Min. | Typ. | Max. | Unit |
| Power Supply Voltage | VDD-VSS | 25°C | 2.8 | 3.0 | 3.2 | V |
| LCD Operation Voltage | VOP | | - | 9.0 | - | V |

4.0 ABSOLUTE MAXIMUM RATINGS

| Item | Symbol | Test Condition | Standard Value | | |
|----------------------|--------|----------------|----------------|-------|------|
| | | | Min. | Max. | Unit |
| Power Supply Voltage | VDD | 25°C | +0.3 | +3.6 | V |
| Power supply voltage | VLCD | | +0.3 | +14.5 | V |
| Operating Temp. | TOPR | - | -20 | +70 | °C |
| Storage Temp. | TSTG | - | -30 | +80 | °C |

5.0 PIN ASSIGNMENT

| Pin No. | Symbol | Description | Pin No. | Symbol | Description |
|---------|--------|-------------------------------------------------------------------|---------|--------|------------------------------------------|
| 1 | NC | | 17 | VSS | Ground |
| 2 | /CS1 | Chip select signal, "L" active | 18 | VOUT | Power supply for driving LCD display |
| 3 | NC | No connection | 19 | NC | No connection |
| 4 | /RES | Reset signal, "L": active | 20 | C3P | For voltage booster circuit |
| 5 | A0 | "H": display data, "L": control data | 21 | C1N | |
| 6 | WR | 6800 series: "L": Write; "H": Read. 8080 series: "L": Read. | 22 | C1P | |
| 7 | RD | 6800 series: Write/Read control pin; 8080 series: "L": Read. | 23 | C2P | |
| 8 | D0 | Data bus | 24 | C2N | LCD driver voltage |
| 9 | D1 | | 25 | V4 | |
| 10 | D2 | | 26 | V3 | |
| 11 | D3 | | 27 | V2 | |
| 12 | D4 | | 28 | V1 | |
| 13 | D5 | | 29 | V0 | |
| 14 | D6 | | 30 | VR | Output voltage regulator terminal. |
| 15 | D7 | | 31 | C86 | "H": 6800 interface; "L": 8080 interface |
| 16 | VDD | Power supply, +3.0V | 32 | NC | No connection |

Remark

1. LCD option: FSTN .
2. Standard module.
3. Other specs not available on catalog is under request.