



PIN CONNECTIONS

| Pin | Symbol | | |
|-----|-----------------|-----------------|-----------------|
| | SPI | UART | I2C |
| 1 | V _{SS} | V _{SS} | V _{SS} |
| 2 | V _{DD} | V _{DD} | V _{DD} |
| 3 | NC | NC | NC |
| 4 | SDI | RX | SCL |
| 5 | SCLK | NC | SDA |
| 6 | BUSY | BUSY | BUSY |
| 7 | /REST | /REST | /REST |
| 8 | /CS | NC | NC |

NOTES:

- +5V/+3.3V power supply optional
- SPI、UART、I2C interface optional
- Display color: YELLOW/GREEN optional

MECHANICAL DATA

| Item | Nominal Dimensions | Unit |
|-------------------------|--------------------|------|
| Module Size (W x H x T) | 85.0X58.0X9.0 | mm |
| Viewing Area (W x H) | 65.0 X33.0 | mm |
| Dot Pitch (W x H) | 0.48X0.48 | mm |
| Dot Size (W x H) | 0.455X0.455 | mm |

ABSOLUTE MAXIMUM RATINGS

| Item | Symbol | Min. | Max. | Unit |
|------------------------|----------------------------------|-----------------|-----------------|------|
| Supply Voltage (Logic) | V _{DD} -V _{SS} | -0.3 | 5.5 | V |
| Input Voltage | V _I | V _{SS} | V _{DD} | V |
| Operating Temp. | T _{OPR} | -40 | 80 | °C |
| Storage Temp. | T _{STG} | -40 | 80 | °C |

ELECTRICAL CHARACTERISTICS (V_{DD}=5V, Ta=25°C)

| Item | Symbol | Min. | Typ. | Max. | Unit |
|---------------------|-----------------|--|------|---------------------|------|
| Input High Voltage | V _{IH} | 0.8V _{DD} | - | V _{DD} | V |
| Input Low Voltage | V _{IL} | 0 | - | 0.2 V _{DD} | V |
| Output High Voltage | V _{OH} | 0.9V _{DD} | - | V _{DD} | V |
| Output Low Voltage | V _{OL} | 0 | - | 0.1 V _{DD} | V |
| Supply Current | I _{DD} | - | 120 | - | mA |
| | | 50% display area on, V _{DD} =3.3V | | | |