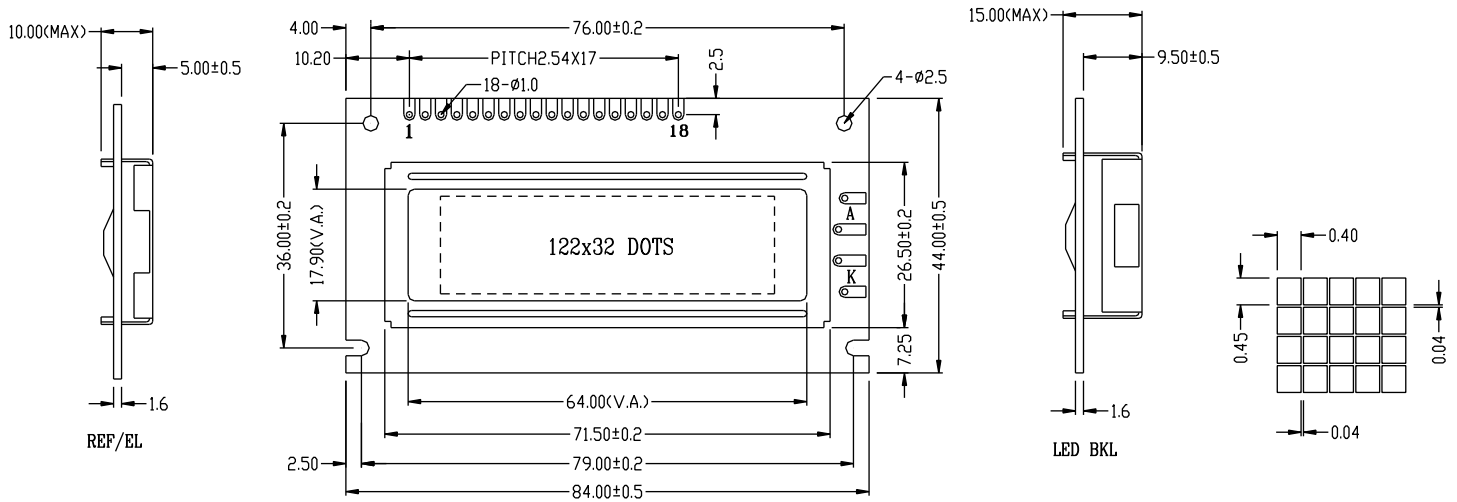




Outline Dimension



Feature

1. 122X32 dots graphic LCD module
2. Built in controller(SED1520)
3. +5V Power supply
4. STN ;1/32 duty
5. Built in 8192 chinese fonts

Mechanical Data

| Item | Standard | Unit |
|------------------|-----------|------|
| Module dimension | 84.0x44.0 | mm |
| Viewing area | 64.0x17.9 | mm |
| Dot size | 0.40x0.45 | mm |
| Dot pitch | 0.44x0.49 | mm |

| PIN NO | Symbol | Fuction |
|--------|--------|----------------------------|
| 1 | VSS □ | GND |
| 2 | VDD □ | +5V |
| 3 | V0 □ | Constrast adjustment |
| 4 | RS | H/L Register select signal |
| 5 | R/W □ | H/LRead/Write signal |
| 6 | E | H/L Enable signal |
| 7 | DB0 □ | H/L Data bus line |
| 8 | DB1 □ | H/L Data bus line |
| 9 | DB2 □ | H/L Data bus line |
| 10 | DB3 □ | H/L Data bus line |
| 11 | DB4 □ | H/L Data bus line |
| 12 | DB5 □ | H/L Data bus line |
| 13 | DB6 □ | H/L Data bus line |
| 14 | DB7 □ | H/L Data bus line |
| 15 | A | +4.2V for LED |
| 16 | K | Power supply for BKL |

Absolute Maximum Rating

| Item | Symbol | Standard | | | Unit |
|---------------|---------|----------|-------|-----|------|
| | | Min | Typ | Max | |
| Power supply | VDD-VSS | -0.3 | ----- | 5.5 | V |
| Input voltage | VI | -0.3 | ----- | VDD | |

Electronical characteristics

| Item | Symbol | Condition | Standard | | | Unit |
|---|-----------------|-----------|----------|-------|-------|------|
| | | | Min | Typ | Max | |
| Input voltage | VDD | +5V | 4.7 | 5.0 | 5.5 | V |
| | | +3.3V | 2.7 | 3.0 | 5.0 | V |
| Supply current | I _{DD} | VDD=5V | ----- | 2 | 4 | mA |
| Recommended LCD riling voltage for normal temp version module | VDD-V0 | -20°C | ----- | ----- | ----- | V |
| | | 0 °C | 4.7 | 5.0 | 5.5 | |
| | | 25°C | 4.3 | 4.5 | 4.7 | |
| | | 50°C | 4.1 | 4.3 | 4.5 | |
| | | 70°C | ----- | ----- | ----- | |

Display character address code:

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---------------|----|----|----|-----|-----|-----|-----|
| DDRAM address | 00 | 01 | 02 | --- | --- | --- | 07H |
| DDRAM address | 10 | 11 | 12 | --- | --- | --- | 17H |