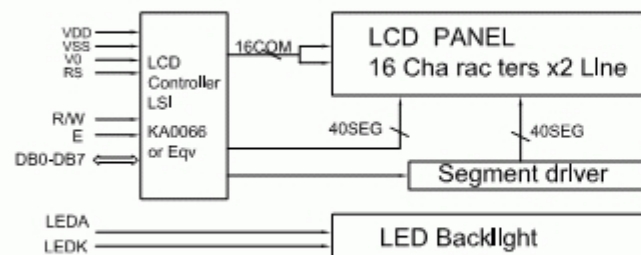


#### 4.BLOCK DIAGRAMMECHANICAL



#### 6.INTERFACE PIN CONNECTIONS

| ITEM | SYMBOL  | LEVEL | FUNCTIONS                      |
|------|---------|-------|--------------------------------|
| 1    | VSS     | 0V    | Power Ground                   |
| 2    | VDD     | +5V   | Power supply for logic         |
| 3    | V0      | —     | Contrast adjust                |
| 4    | RS      | H/L   | H:data L:command               |
| 5    | R/W     | H/L   | H:read L:write                 |
| 6    | E       | H.H→L | Enable signal                  |
| 7-14 | DB0-DB7 | H/L   | Data Bus                       |
| 15   | LEDA    | +5V   | Power supply for LED Backlight |
| 16   | LEDK    | 0V    |                                |

#### 5.LED BACKLIGHT SPECIFICATIONS

| ITEM                 | SYMBOL | TYPE | MAX | UNIT |
|----------------------|--------|------|-----|------|
| Ta=25℃               |        |      |     |      |
| Forward Voltage      | Vf     | 4.1  | 4.3 | V    |
| Forward Current      | If     | 120  | —   | mA   |
| Emission Wave Length | λp     | 568  | —   | nm   |

#### 7.ELECTRICAL CHARACTERISTICS

| ITEM                      | SYMBOL | MIN  | TYPE | MAX | UNIT |
|---------------------------|--------|------|------|-----|------|
| Ta=25℃                    |        |      |      |     |      |
| Logic Power               | VDD    | 4.5  | 5    | 5.5 | V    |
| Input High Voltage        | Vih    | 2.2  | —    | VDD | V    |
| Input Low Voltage         | Vil    | -0.3 | —    | 0.6 | V    |
| Output High Voltage       | VoH    | 2.4  | —    | VDD | V    |
| Output Low Voltage        | Vol    | 0    | —    | 0.4 | V    |
| Logic Current             | Idd    | —    | 1.5  | 3.0 | mA   |
| Operation Voltage For LCD | V0-GND | —    | 5    | —   | V    |