

DM 2004 C

LCD- Standard Charaktermodul



Hauptmerkmale

- 20 Charakter / 4 Zeilen
- Ziffernhöhe 9.22 mm
- Single Supply +5Volt
- STN-Technologie
- Einstellbarer Kontrast
- Option LED / EL- Beleuchtung

PIN Belegung

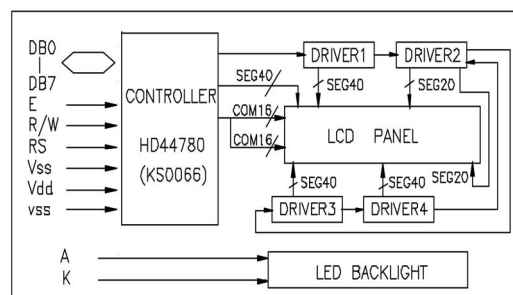
| PIN | SYMBOL | SIGNAL DESCRIPTION |
|-----|--------|----------------------------------|
| 1 | Vss | Power Supply (GND) |
| 2 | Vdd | Power Supply (5V) |
| 3 | Vo | Adj. Contrast |
| 4 | RS | Instruction/Data Register Select |
| 5 | R/W | Data Bus Line |

| PIN | SYMBOL | SIGNAL DESCRIPTION |
|---------|------------|-----------------------------|
| 6 | E | Enable |
| 7 to 14 | DB0 to DB7 | Data Bus Line |
| 15 | A | Power Supply for LED B/L(+) |
| 16 | K | Power Supply for LED B/L(-) |

Spezifikationen (Ta=25°C)

| ITEM | SYMBOL | CONDITION | MIN. | TYP. | MAX. | UNIT |
|------------------------|---------|---------------|------|------|------|------|
| Supply Voltage (logic) | Vdd-GND | - | 4.5 | 5.0 | 5.5 | V |
| Supply Current (logic) | Idd | Vdd=5.0 | - | 1.4 | 3.0 | mA |
| Driving Current (LCD) | Iee | | - | 0.4 | 1.0 | mA |
| Driving Voltage (LCD) | Vdd-V5 | | 3.8 | 4.4 | 4.9 | V |
| Input Voltage .. H .. | Vih | | 2.2 | - | Vdd | V |
| Input Voltage .. L .. | Vil | ... | - | ... | V | |
| Output Voltage .. H .. | Voh | Ioh=0.205mA | 2.4 | - | - | V |
| Output Voltage .. L .. | Vol | Iol=1.2mA | - | - | ... | V |
| Option LED | I | ext. Resister | 50 | 200 | 210 | mA |

Block Diagramm



Mechanische Abmessungen

