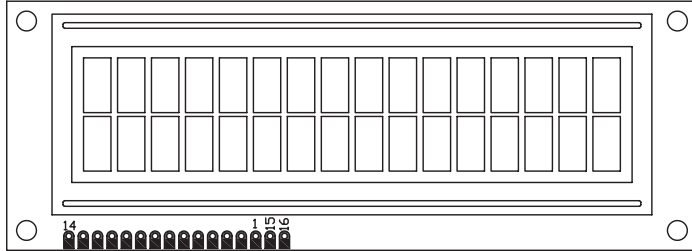


CS 1602 B

LCD- Standard Charaktermodul



Hauptmerkmale

- 16 Charakter / 2 Zeilen
- Ziffernhöhe 9.66 mm
- Single Supply +5 Volt
- STN-Technologie
- Einstellbarer Kontrast
- Option LED / EL-Beleuchtung

Kontroller: S6A0069

PIN Belegung

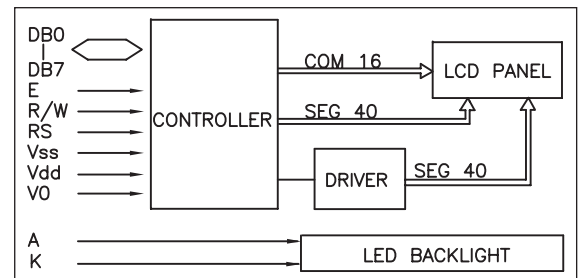
| PIN | SYMBOL | SIGNAL DESCRIPTION |
|-----|--------|----------------------------------|
| 1 | Vss | Power Supply (GND) |
| 2 | Vdd | Power Supply (+5V) |
| 3 | Vo | Contrast Adjust |
| 4 | RS | Instruction/Data Register Select |
| 5 | R/W | Data Read/Write |

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

Spezifikationen (TA=25 °C)

| ITEM | SYMBOL | CONDITION | MIN. | TYP. | MAX. | UNIT |
|------------------------|-----------------|-----------|--------|------|------|------|
| Supply Voltage (Logic) | Vdd-Vss | - | 4.5 | 5.0 | 5.5 | V |
| Supply Current (Logic) | Idd | Vdd=5.0V | - | 1.0 | 2.2 | mA |
| Driving Current (LCD) | Iee | Vee=4.2V | - | 1.46 | - | mA |
| Driving Voltage (LCD) | Vdd-Vee | - | 4.6 | 4.8 | 5.0 | V |
| Input Voltage "H" | V _{IH} | H | 0.8Vdd | - | Vdd | V |
| Input Voltage "L" | V _{IL} | L | Vss | - | 0.8 | V |
| Output Voltage "H" | V _{OH} | H | 2.4 | - | - | V |
| Output Voltage "L" | V _{OL} | L | - | - | 0.4 | V |

Block Diagramm



Mechanische Abmessung

