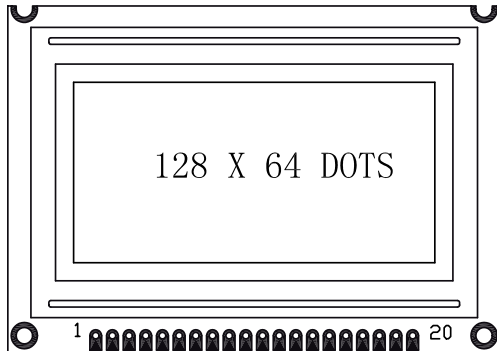


GS 12864 B

LCD- Standard Grafikmodul



Hauptmerkmale

- 128 x 64 dots
- Einstellbarer Kontrast
- STN-Technologie

Optionen

- LED / EL- Beleuchtung
- Erhöhter Temp. Bereich
- Farbige Reflektoren
- TN-FSTN-Technologie

Kontroller: KS0107

PIN Belegung

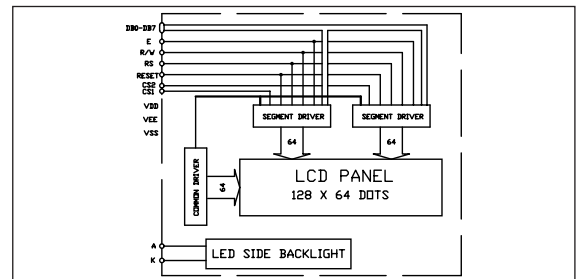
| PIN | SYMBOL | SIGNAL DESCRIPTION |
|------|---------|---------------------------|
| 1 | Vdd | Power Supply for Logic |
| 2 | Vss | GND (0V) |
| 3 | Vo | Operating Voltage for LCD |
| 4-11 | DB0-DB7 | Data Bus |
| 12 | CS1 | Select Left |
| 13 | CS2 | Select Right |
| 14 | RST | Reset Signal |

| PIN | SYMBOL | SIGNAL DESCRIPTION |
|-----|--------|-----------------------------------|
| 15 | R/W | H: Module to MPU L: MPU to Module |
| 16 | D/I | H: Data L: Instruction |
| 17 | E | Enable Signal |
| 18 | VEE | Negative Voltage Supply |
| 19 | A | Power Supply for Backlight (+) |
| 20 | K | Power Supply for Backlight (-) |

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 | - | 1.47 | - | mA |
| Driving Current (LCD) | Iee | Vee=4.2V | - | 1.46 | - | mA |
| Driving Voltage (LCD) | Vdd-Vee | - | - | 12.6 | - | V |
| Input Voltage "H" | V _{IH} | H | 0.8Vdd | - | Vdd | V |
| Input Voltage "L" | V _{IL} | L | Vss | - | 0.8 V | V |
| Output Voltage "H" | V _{OH} | H | 2.4 | - | - | V |
| Output Voltage "L" | V _{OL} | L | - | - | 0.4 | V |

Block Diagramm



Mechanische Abmessung

