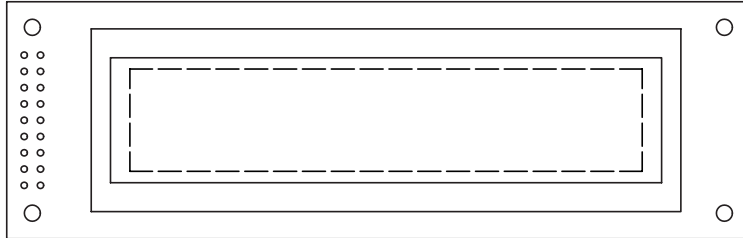


GS 16032 A

LCD- Standard Grafikmodul



Hauptmerkmale

- 160 x 32 dots
- Einstellbarer Kontrast
- STN-Technologie

Optionen

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

Kontroller: ST7920

PIN Belegung

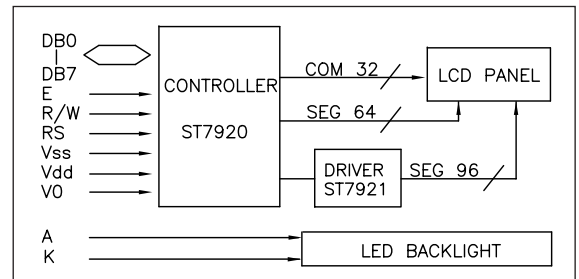
PIN	SYMBOL	SIGNAL DESCRIPTION
1	Vss	GND (0V)
2	Vdd	Power Supply for Logic
3	Vo	Operating Voltage for LCD
4	D/I	H: Data L: Instruction
5	R/W	H: Module to MPU L: MPU to Module
6	E	Enable Signal

PIN	SYMBOL	SIGNAL DESCRIPTION
7-14	DB0-DB7	Data Bus
15	RST	Reset Signal
16	NC	No Connection
17	A	Power Supply for Backlight (+)
18	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	-	1.0	2.2	mA
Driving Current (LCD)	Iee	Vee=4.2V	-	1.46	-	mA
Driving Voltage (LCD)	Vdd-Vee	-	-	6.2	-	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

