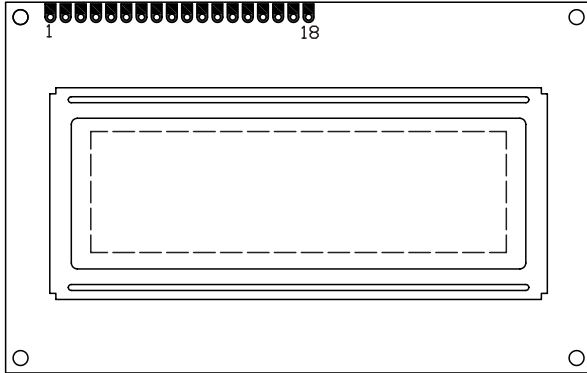


## GS 12232 C

## LCD- Standard Grafikmodul



### Hauptmerkmale

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

### Optionen

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

Kontroller: AX6120DOA

### PIN Belegung

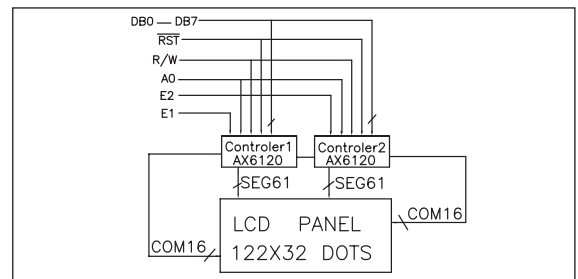
PIN	SYMBOL	SIGNAL DESCRIPTION
1	Vss	Power Supply (GND)
2	Vdd	Power Supply (+5V)
3	Vo	Contrast Adjust
4	AO	Instruction / Data Selection
5	E1	Enable Signal for Chip 1
6	E2	Enable Signal for Chip 2

PIN	SYMBOL	SIGNAL DESCRIPTION
7-14	DB0-DB7	Data Bus Line
15	A	Power Supply for Backlight (+)
16	K	Power Supply for Backlight (-)
17	R/W	Read/Write Control
18	RST	Reset and Select Interface Type

### 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	-	2.07	-	mA
Driving Current (LCD)	Iee	Vee=4.2V	-	1.46	-	mA
Driving Voltage (LCD)	Vdd-Vee	-	-	5.4	-	V
Input Voltage "H"	V <sub>IH</sub>	H	0.8Vdd	-	Vdd	V
Input Voltage "L"	V <sub>IL</sub>	L	Vss	-	0.8	V
Output Voltage "H"	V <sub>OH</sub>	H	2.4	-	-	V
Output Voltage "L"	V <sub>OL</sub>	L	-	-	0.4	V

### Block Diagramm



### Mechanische Abmessung

