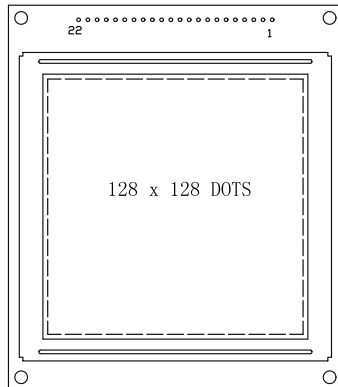


### GS 128128 A



### LCD- Standard Grafikmodul

#### Hauptmerkmale

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

#### Optionen

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

Kontroller: T6963C

#### PIN Belegung

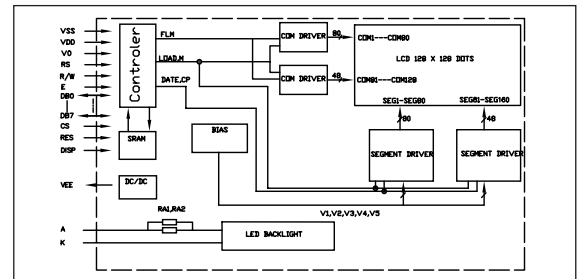
PIN	SYMBOL	SIGNAL DESCRIPTION
1	FG	Frame Ground
2	Vss	Power Supply (GND)
3	Vdd	Power Supply (+5V)
4	Vo	Operating Voltage for LCD
5	WR	Data Write into T6963C
6	RD	Data Read from T6963C
7	CE	Chip Enable
8	C/D	Command/Data Selection

PIN	SYMBOL	SIGNAL DESCRIPTION
9	RST	Reset Signal
10-17	DB0-DB7	Data Bus
18	FS	Font Selection
19	Vee	Negative Voltage
20	DISP	Display ON/OFF (L:OFF)
21	A	Power Supply for Backlight (+)
22	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	-	-	18.4	-	V
Input Voltage "H"	V <sub>IH</sub>	H	0.8 Vdd	-	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

