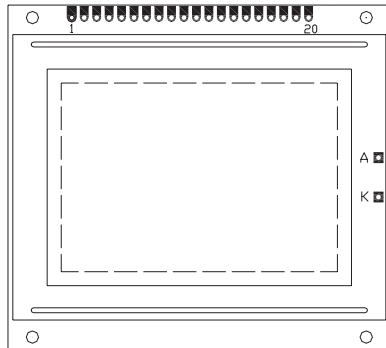


GS 12864 A

LCD- Standard Grafikmodul



Hauptmerkmale

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

Optionen

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

PIN Belegung

PIN	SYMBOL	SIGNAL DESCRIPTION
1	Vee	Negative Voltage
2	Vss	GND (0V)
3	Vdd	Power Supply (+5V)
4	Vo	Adjust Contrast
5	WR	Data Write
6	RD	Data Read
7	CE	Chip Select

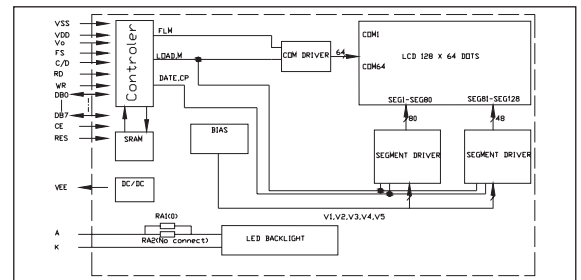
Kontroller: T6963C

PIN	SYMBOL	SIGNAL DESCRIPTION
8	C/D	L=Data H=Commandt
9	RES	Reset Signal (L active)
10-17	DB0-DB7	Data Bus
18	FS	Font Selection
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 Voltage (LCD)	Vdd-V0	Vdd=5.0V	-	9.0	-	V
Supply Current	Idd	-	-	8.0	10.0	mA
Input Voltage "H"	V _{IH}	H	2.4	-	Vdd	V
Input Voltage "L"	V _{IL}	L	0	-	0.6	V
Output Voltage "H"	V _{OH}	I _{OH} =0.6mA	Vdd-0.4	-	Vdd	V
Output Voltage "L"	V _{OL}	I _{OL} =1.6mA	0	-	0.4	V
Supply Voltage (LED)	V-bl		4.0	4.2	4.5	V
Supply Current (LED)	I-bl		-	160	-	mA

Block Diagramm



Mechanische Abmessung

