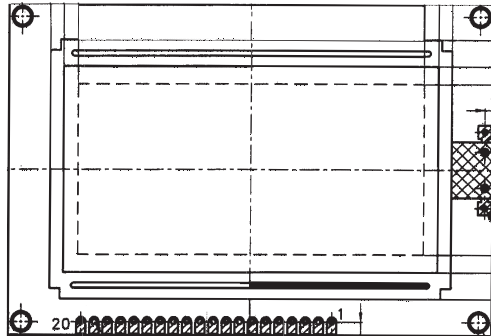


JM 12864 G

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	Vss	Power Supply for Logic (GND)
2	Vdd	Power Supply for Logic (+5V)
3	Vo	Contrast Adjust
4	D/I	Register Select (H:Data L:Instruction)
5	R/W	Read/Write (L=MPU to LCM, H=LCM to MPU)
6	E	Enable
7-14	DB0-DB7	Data Bus Line

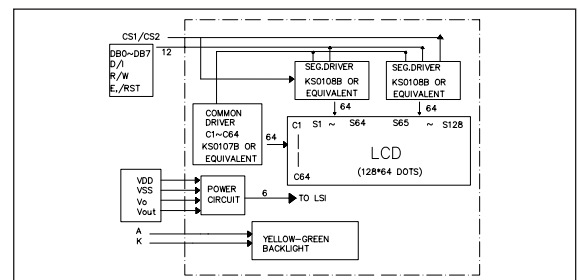
Kontroller: KS0107B

PIN	SYMBOL	SIGNAL DESCRIPTION
15	CS1	Chip Select Signal for IC2 when "H"
16	CS2	Chip Select Signal for IC3 when "H"
17	RST	Chip Reset Signal
18	Vout	Negative Voltage Output
19	A	Anode of LED Backlight
20	K	Cathode of LED Backlight

Spezifikationen (TA=25 °C)

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage (Logic)	Vdd-Vss	-	4.8	5.0	5.2	V
Supply Voltage (LCD)	V _{LCD}	Vdd=5.0V	12.5	12.8	13.1	V
Supply Current (Logic & LCD)	I _{dd}	Vdd=5.0V	-	8.6	12.9	mA
Supply Voltage (Backlight)	V _{LBL}	I _F =340mA	4.0	4.2	4.4	V
Input Voltage "H"	V _{IH1}	H	0.7V _{dd}	-	V _{dd}	V
Input Voltage "H"	V _{IH2}	H	2	-	V _{dd}	V
Input Voltage "L"	V _{IL1}	L	0	-	0.3V _{dd}	V
Input Voltage "L"	V _{IL2}	L	0	-	0.8	V

Block Diagramm



Mechanische Abmessung

