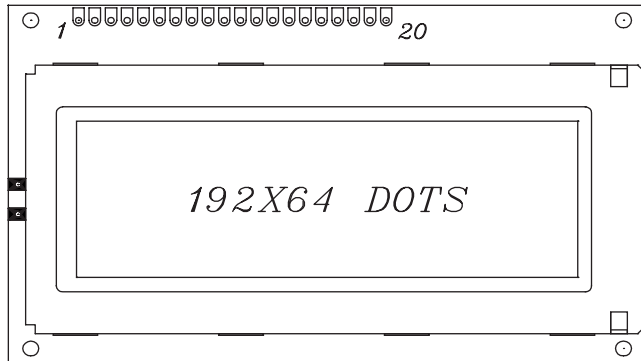


JM 19264 A

LCD- Standard Grafikmodul



Hauptmerkmale

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

Optionen

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

Kontroller: KS0107B

PIN Belegung

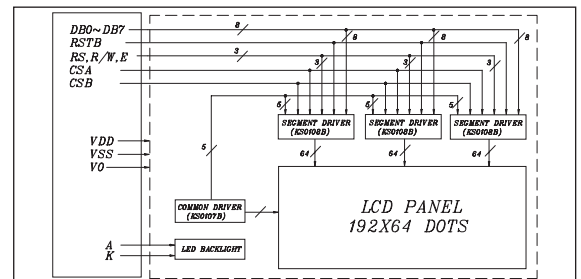
PIN	SYMBOL	SIGNAL DESCRIPTION
1-8	DB7-DB0	Data Bus Line
9	E	Enable
10	R/W	Read/Write (L=MPU to LCM, H=LCM to MPU)
11	RS	Register Select (H:Data L:Instruction)
12	V0	Contrast Adjust
13	Vdd	Power Supply for Logic (+5V)
14	Vss	Power Supply for Logic (GND)

PIN	SYMBOL	SIGNAL DESCRIPTION
15	CSB	Chip Select Signal
16	CSA	Chip Select Signal
17	Vout	Output Voltage
18	RST	Chip Reset Signal
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	-	4.5	5.0	5.5	V
Supply Current (Logic)	Idd	Vdd=5.0V	-	4.0	-	mA
Driving Current for LCD	Iee	Vee=-7.8V	-	2.8	-	mA
Driving Voltage for LCD	Vdd-V0	-	-	12.8	-	V
Input Voltage "H"	V _{IH}	"H" level	0.7Vdd	-	Vdd	V
Input Voltage "L"	V _{IL}	"L" level	Vss	-	0.8	V

Block Diagramm



Mechanische Abmessung

