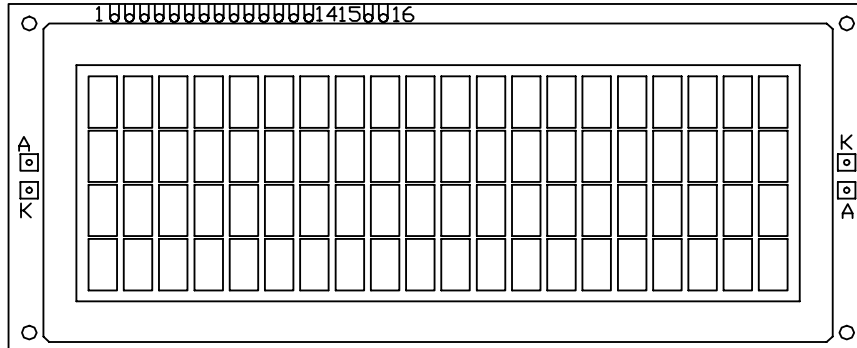


JM 204 D

LCD- Standard Charaktermodul



Hauptmerkmale

- 20 Charakter / 4 Zeilen
- Ziffernhöhe 9.23 mm
- Single Supply +5 Volt
- STN-Technologie
- Einstellbarer Kontrast
- Option LED / EL-Beleuchtung

Kontroller: S6A0070

PIN Belegung

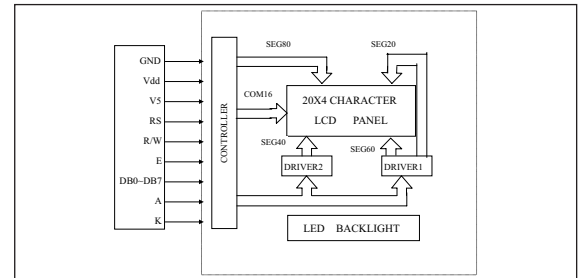
PIN	SYMBOL	SIGNAL DESCRIPTION
1	Vss	Power Supply (GND)
2	Vdd	Power Supply (+5V)
3	V5	Contrast Adjust
4	RS	Register Select (H=Data, L=Instruction)
5	R/W	Read/Write (H: Read mode, L: Write mode)

PIN	SYMBOL	SIGNAL DESCRIPTION
6	E	Enable
7-14	DB0-DB7	Data Bus Line
15	A	Anode of LED unit
16	K	Cathode of LED unit

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=V5	-	3.0	-	mA
Driving Current (LCD)	lee		-	0.8	-	mA
Driving Voltage (LCD)	Vdd-V5		3.8	4.5	4.9	V
Input Voltage "H"	V _{IH}		2.2	-	Vdd	V
Input Voltage "L"	V _{IL}	-0.3	-	0.6	V	
Output Voltage "H"	V _{OH}	I _{OH} =-0.205mA	2.4	-	-	V
Output Voltage "L"	V _{OL}	I _{OL} =-1.2mA	-	-	0.4	V

Block Diagramm



Mechanische Abmessung

