

JM 161 E

LCD- Standard Charaktermodul

Hauptmerkmale

- 16 Charakter / 1 Zeilen
- Ziffernhöhe 9.22 mm
- Single Supply +5Volt
- STN-Technologie
- Einstellbarer Kontrast
- Option LED / EL- Beleuchtung

PIN Belegung

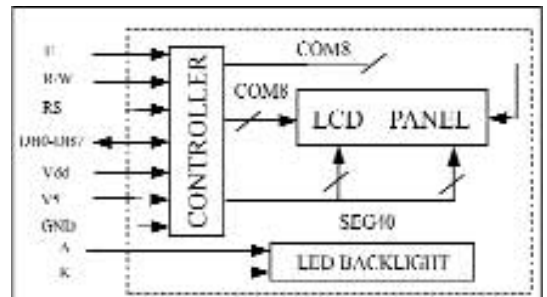
PIN	SYMBOL	SIGNAL DESCRIPTION
1	GND	Power Supply: 0V
2	Vdd	Power Supply: 5V
3	V5	Power Supply for LCD
4	RS	Register Select (H=Data, L=Instruction)
5	R/W	Read/Write L=MPU to LCM, H=LCM to MPU

PIN	SYMBOL	SIGNAL DESCRIPTION
6	E	Enable
7 to 14	DB0 to DB7	Data Bus for 4bit or 8bit Mode
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-GND		4.5	5.0	5.5	V
Supply Current (logic)	Idd		-	1.5	3.0	mA
Driving Current (LCD)	Iee		-	0.4	1	mA
Driving Voltage (LCD)	Vdd-V0	Vdd=5.0	3.8	4.5	4.9	V
Input Voltage -- H --	Vih		2.2	-	Vdd	V
Input Voltage -- L --	Vil		-0.3	-	0.6	V
Output Voltage -- H --	Voh	Ioh=-0.205mA	2.4	-	-	V
Output Voltage -- L --	Vol	Iol=1.2mA	-	-	0.4	V
Option LED	I	ext. Resistor	50	200	850	mA
Ambient temp.	t		0	-	55	°C

Block Diagramm



Mechanische Abmessungen

