

## LCD – Modul 4x20 weiß/blau



### 1. TECHNISCHE DATEN

Typ: STN blau negativ, weiße LED Hintergrundbeleuchtung

Controller: Samsung S6A0069, kompatibel zu HD44780

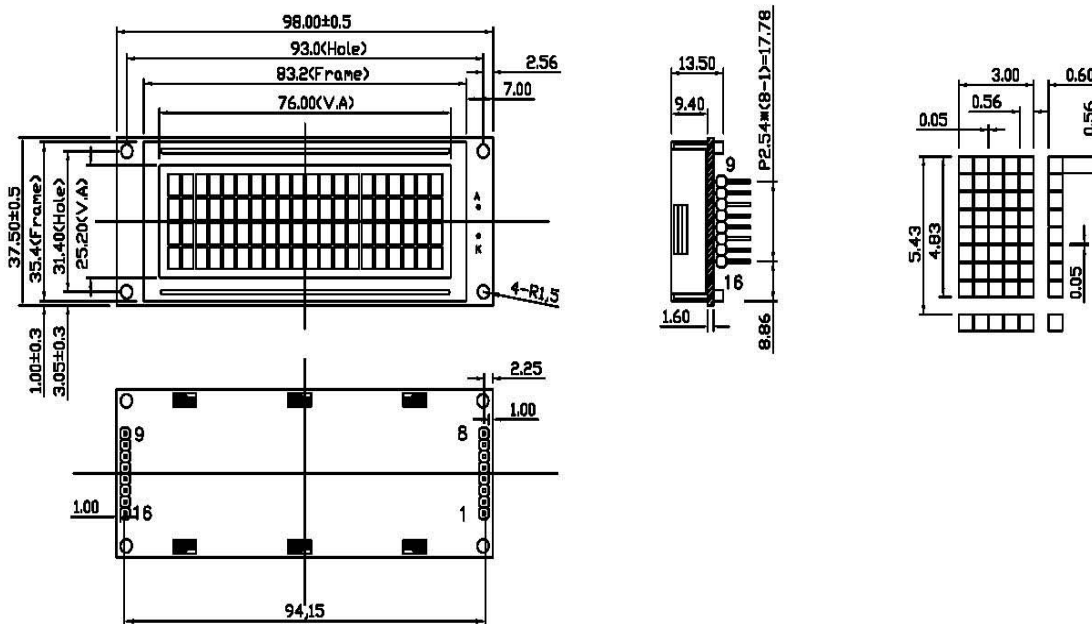
Spannungsversorgung: 5 Volt

Abmessungen: nur 98 x 37,5mm, passt problemlos in einen 5.25" Schacht

Betriebstemperatur: 0 bis 50°C

Steckbar über Buchsenleisten (2 Stück)

### 2. ABMESSUNGEN



### 3. PINBELEGUNG

PIN	SYMBOL	SIGNAL DESCRIPTION
1	GND	Ground
2	Vdd	Power Supply for Logic.
3	V5	Operating Voltage for LCD.
4	RS	Register Select. H: Data Code Input; L: Instruction Code Input.
5	R/W	Read/Write. H: Read Operation; L: Write Operation
6	E	Enable
7 to 14	DB0 to DB7	Data Bus for 4 Bit or 8 Bit Mode
15	LEDA	LED Backlight Power Supply (+3.4v).
16	LEDK	LED Backlight Power Supply (GND).

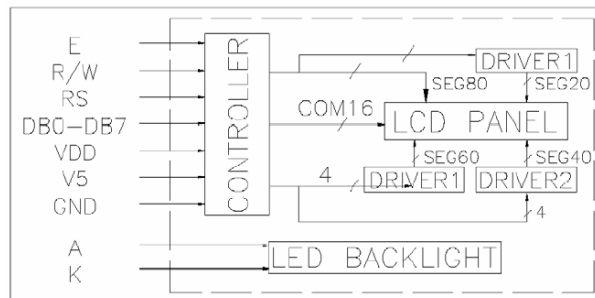
### 4. ELEKTRISCHE EIGENSCHAFTEN

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage for Logic	Vdd-GND	-	4.5	5.0	5.5	V
Supply Current for Logic	Idd	Vdd=5.0V	-	1.5	3.0	mA
Driving Voltage for (LCD)	Vdd-V5	Vdd=5.0V	4.8	5.0	5.2	V

### 5. BOTTOM BACKLIGHT CHARACTERS (Ta= 25°C)

PARAMETER	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
LED Forward Consumption Current	If	Ta=25°C,Vf=3.4V	-	20	-	mA

### 6. BLOCKDIAGRAMM



### 7. BEZUGSQUELLE

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