

# SC1601D ( 16 CHARACTERS x 1 LINES )

液晶之友 电话: 020-33819057

Http://www.lcdfriends.com

## FEATURES

- ◆ 5 x 7 DOTS WITH CURSOR
- ◆ BUILT-IN CONTROLLER (KS0066 OR EQUIVALENT)
- ◆ 5 V POWER SUPPLY
- ◆ 1/16 DUTY CYCLE
- ◆ 4.2 V LED FORWARD VOLTAGE

## ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
LCD Operating Voltage	V <sub>DD-Vo</sub>	T=0°C	-	4.8	-	V
		T=25°C	-	4.5	-	V
		T=50°C	-	4.2	-	V
Supply Voltage	V <sub>DD-VSS</sub>	-	4.7	5	5.3	V
Supply Current	I <sub>DD</sub>	-	-	1.2	2.5	mA
Input Voltage	"HIGH" Level	V <sub>IH</sub>	-	2.2	-	V <sub>DD</sub> V
	"LOW" Level	V <sub>IL</sub>	-	0	-	0.6 V
Output Voltage	"HIGH" Level	V <sub>OH</sub>	-	2.4	-	V
	"LOW" Level	V <sub>OL</sub>	-	-	-	0.4 V

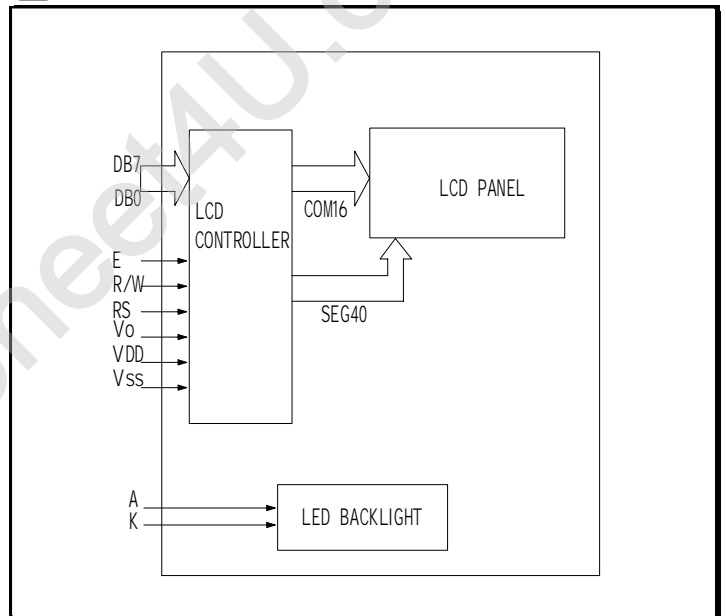
## MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	122.0 x 33.0 x 8.8 ( 13.5 LED )	mm
Viewing Area (W x H)	99.0 x 13.0	mm
Character Size (W x H)	4.84 x 9.70	mm
Character Pitch (W x H)	6.00 x 9.70	mm
Dot Size (W x H)	0.92 x 1.16	mm
Dot Pitch (W x H)	0.98 x 1.22	mm

## INTERFACE PIN CONNECTIONS

NO.	SYMBOL	FUNCTION	NO.	SYMBOL	FUNCTION
1	V <sub>SS</sub>	Supply Ground	9	DB2	Data Bit 2
2	V <sub>DD</sub>	Supply Voltage	10	DB3	Data Bit 3
3	V <sub>O</sub>	Contrast Adj.	11	DB4	Data Bit 4
4	RS	Register Select	12	DB5	Data Bit 5
5	R/W	Read/Write	13	DB6	Data Bit 6
6	E	Enable Signal	14	DB7	Data Bit 7
7	DB0	Data Bit 0			
8	DB1	Data Bit 1			

## BLOCK DIAGRAM



## EXTERNAL DIMENSIONS

