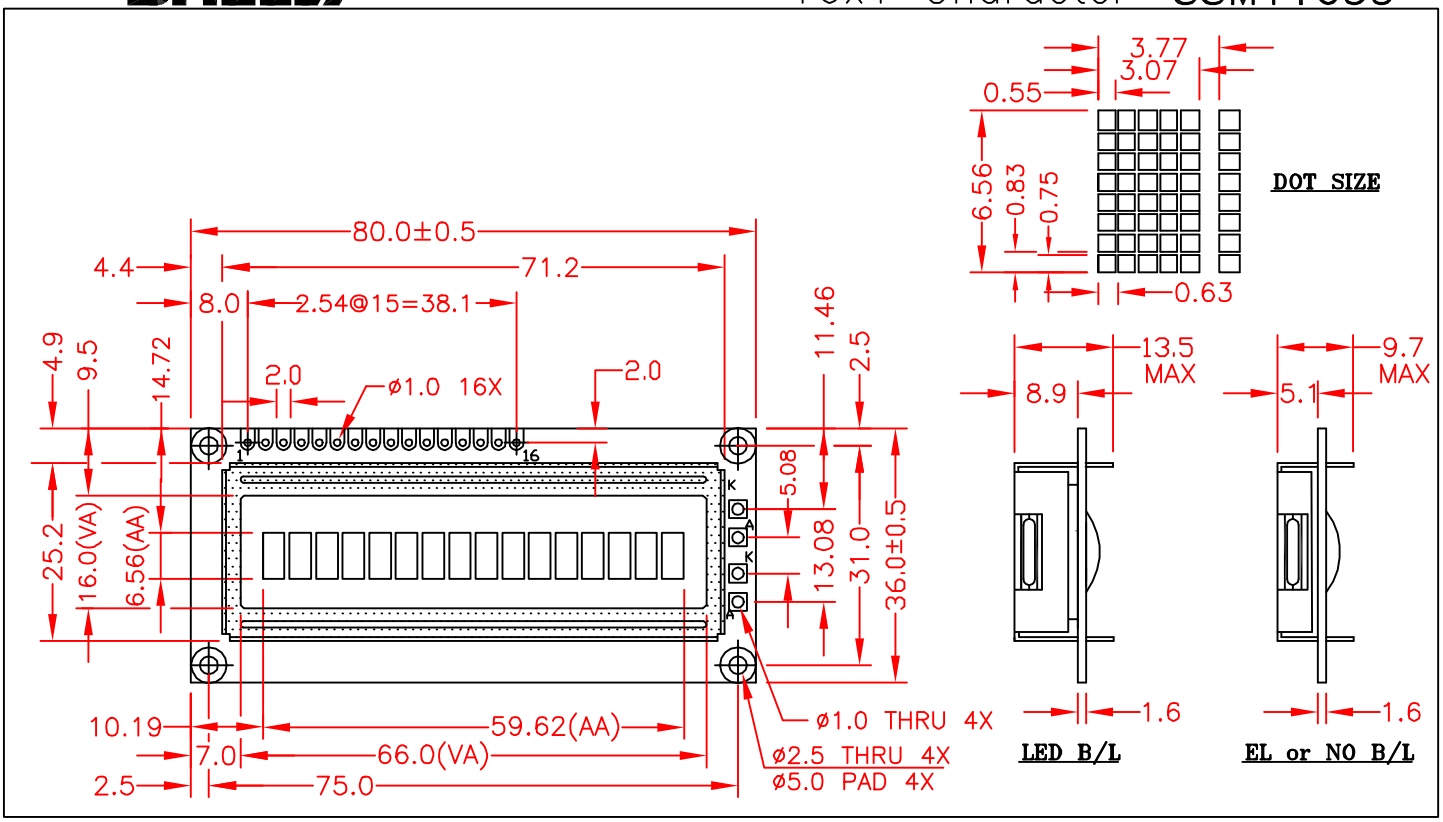
SHELLY

16x1 Character SSM11635



Feature

1. 5x8 dots with cursor
2. Built-in controller (KS0066 or Equivalent)
3. +5V power supply
4. 1/16 duty cycle
5. LED can be driven by pin1,pin2, pin15, pin16 or A.K
6. N.V. Optional
7. For +3V power supply

Mechanical Data

Item	Standard Value	Unit
Module Dimension	80.0 x 36.0	mm
Viewing Area	66.0 x 16.0	mm
Dot Size	0.55 x 0.75	mm
Character Size	3.07 x 6.56	mm

Pin Assignment

Pin#	Symbol	Function
1	Vss	GND
2	Vdd	+5V
3	Vo	Contrast Adjustment
4	RS	H/L Register select signal
5	R/$\overline{W}$	H/L Read/write signal
6	E	H→L Enable signal
7-14	DB0-DB7	Data bus line
15	A	+4.2V for LED (RA=0Ω)
16	K	Power supply for B/L (0V)

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	-0.3	--	7.0	V
Input Voltage	VI	-0.3	--	VDD	V

Note: VSS=0 Volt, VDD=5.0 Volt.

Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	VDD=+5V	4.7	5.0	5.3	V
Supply Current	IDD	VDD=+5V	--	1.2	1.4	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-VO	-20°C	4.9	5.1	5.5	V
		0°c	4.5	4.8	5.1	
		25°C	4.1	4.5	4.7	
		50°C	3.8	4.2	4.4	
		70°C	3.5	3.9	4.1	
LED Forward Voltage	VF	25°C	--	4.2	4.6	V
LED Forward Current	IF	25°C	--	130	260	mA
EL Power Supply Current	IEL	Vel=110VAC;400Hz	--	--	5.0	mA

Display Character Address Code

Display position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DD RAM Address	00	01						07	40	41						47

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