# UC1602H



## **UJ Light Technologies**

#### Feature

- 1. COB with metal frame
- 2. 5x7 dots with cursor
- 3. Built-in controller ST7066 or equivalent
- 4. + 5V single power supply
- 5. 1/16 duty cycle
- 6. LED B/L pins: 15/16 or A/K, or 1/2
- 7. Option: LED array/edge B/L, EL B/L
- 8. Option: +3V single power supply
- 9. Option: Negative Voltage
- 10. Option: LCD Vop fix on 5V (-20°C~+70°C)

Ĵ	Mechanical Data				
	ltem	em Standard Value Unit			
	Module Dimension	84.0 x 44.0	mm		
	Viewing Area	66.0 x 16.0	mm		
	Dot Size	0.56 x 0.66	mm		
	Character Size	2.96 x 5.56	mm		

#### Pin Assignment

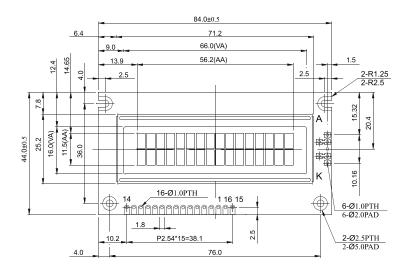
Pin	Symbol	Function
1	Vss	GND
2	Vdd	+5V (+3V option)
3	Vo	Contrast adjustment
4	RS	H/L register select signal
5	R/W	H/L read/write signal
6	E	H> L enable signal
7~14	DB0~7	H/L data bus line
15	A/Vee	Power Supply for B/L(+)/ Negative voltage output
16	K	Power supply for B/L (GND)

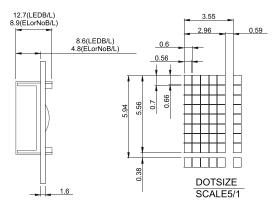


#### Electronic Characteristics

ltem	Symbol	Condition	Value		Unit
Input Voltage	Vdd	Vdd = +5V	5.	0	V
Supply Current	ldd	Vdd = +5V	1.	2	mΑ
LCD Driving Voltage	Vdd-Vo		TYP	Option	V
		70 <sup>°</sup> C	3.6	5.0	
		25°C	4.0	5.0	
		-20°C	5.0	5.0	
LED Forward Voltage(yellow-green)	Vf	25 <sup>0</sup> C	4	.2	V
Array LED Forward Current	lf	25 <sup>0</sup> C	1(	00	mA
Edge LED Forward Current	lf	25°C	25 <sup>°</sup> C 20		mA
EL Power Voltage	Vel	Vel=110Vac/400Hz		V	

#### Dimension





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