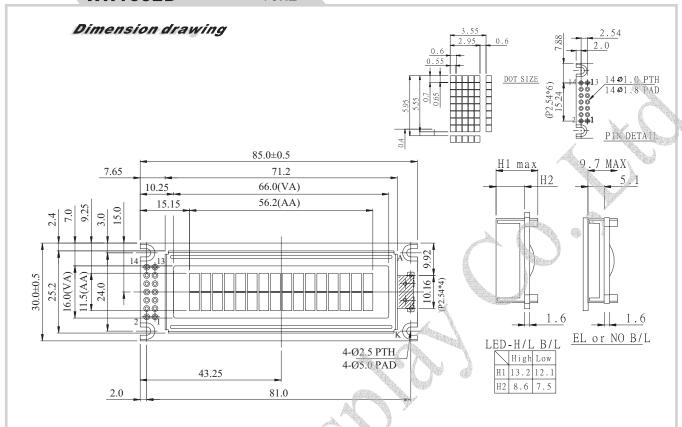
WH1602D Character 16x2



Character type

Feature

- 1, 5x8 dots includes cursor
- 2. Built- in controller (KS 0066 or Equivalent)
- 3. +5V power supply
- 4.1/16 duty cycle
- 5. LED can be driven by pin1,pin2, or A and K
- 6.Optional:smaller character size (2.95x4.35mm)

	Pin NO.	Symbol	Function										
	1	Vdd	Power supply (+5V)										
	2	Vss	GND										
	3	Vo	Contrast Adjustment										
	4	RS	H/L Register select signal										
	5	R/W	H/L Read / write signal										
and the same	6	E E	H→L Enable signal										
	7	DB0	H/L Data bus line										
	8	DB1	H/L Data bus line										
	9	DB2	H/L Data bus line										
	10	DB3	H/L Data bus line										
	11	DB4	H/L Data bus line										
	12	DB5	H/L Data bus line										
	13	DB6	H/L Data bus line										
	14	DB7	H/L Data bus line										

Mechanical Data

	Item	Standard Value	Unit							
	Module Dimension	85.0x30.0	mm							
	Viewing Area	66.0x16.0	mm							
	Mounting hole	81.0 x 24.0	mm							
	Character Size	2.96x5.56	mm							

Absolute Maximum Rating

It a ma	Symbol	Stan	Unit			
Item	Symbol	min.	min. typ.		Unit	
Power Supply	VDD-VSS	-0.3		7.0	>	
Input Voltage	VI	-0.3		VDD	٧	

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

Electronical Characteristics

Zicoliomotti ontilaoteristios													
Item	Symbol	Cond	dition	Stan									
item	Symbol	Conc	ווטווג	min.	typ.	max.	Unit						
Input Voltage	VDD	VDD	=+5V	4.7	5.0	5.3	٧						
Supply Current	IDD	VDD	=5V		1.2	1.5	mA						
		-20	ာင			5.2							
Recommended LC Driving		0°	c'			4.2							
Voltage for Normal Temp.	VDD-V0	25	°C		3.8		v						
Version module		50	°C	3.5									
		70	°C	3.2									
LED Forward Voltage	VF	25°C		25°C		25°C			4.2	4.6	V		
LED Forward Current	IF	25°C	Array Edge		100 20	40	mA						
EL Power Supply Current IEL		Ve l =110V			Vel=110VAC;400Hz			5.0	mΑ				

Display Character Address Code:

Display position		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DD RAM Address	00	01														0F
DD RAM Address DD RAM Address	40	41														4F

