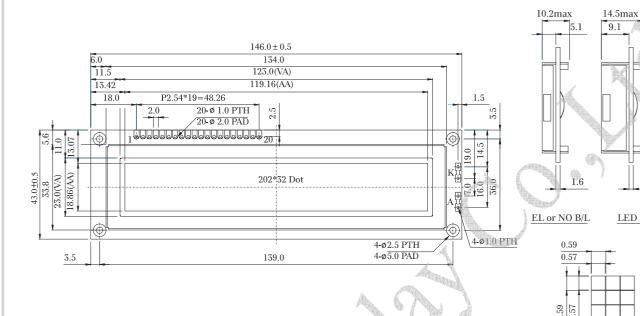
WG20232A Graphic 202x32 dots

Dimension drawing



Feature

- Built-in oscilation.
 Built-in controller Epson- (SED1520 or Equivalent)
- 3. 1/32 duty cycle
- 4. 2.85 ~ 5V power supply

	Pin NO.	Symbol	Function			
	1	Vss	GND			
ı	2	Vdd	Power Supply(+3V,5V)			
ı	3	Vo	Contrast Adjustment			
ı	4	A0	H:Do ~ D7 are display data L:Do ~ D7 are display control data			
I	5	R/W	WR for 80 serial R/W for 68 serial			
	6	Cs1	Enable chip1			
	7	DB0	Data bus line			
	8	DB1	Data bus line			
90000	9	DB2	Data bus line			
800	10	DB3	Data bus line			
A 100 A	11	DB4	Data bus line			
	12	DB5	Data bus line			
ı	13	DB6	Data bus line			
ı	14	DB7	Data bus line			
ı	15	Vee	Negative Voltage output			
	16	Reset	Reset signal			
	17	Α	+4.2V for LED RA=OΩ			
	18	K	Power supply for B/L (0V)			
	19	CS2	Enable chip2			
ı	20	CS3	Enable chip3			

Mechanical Data

Item	Standard Value		
Module Dimension	146.0x43.0	mm	
Viewing Area	123.0x23.0	mm	
Dot Size	0.57x0.57	mm	
Dot Pitch	0.59x0.59	mm	
Mounting hole	139.0x36.0	mm	

9.1

1.6

LED B/L

DOT SIZE SCALE 10/1

Absolute Maximum Rating

lt a	O h l	Stan	1 1 m 14			
Item	Symbol	min.	typ.	max.	Unit	
Power Supply	VDD-VSS	-0.3		8.0	V	
Input Voltage	VI	-0.3		VDD	٧	

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

Electronical Characteristics

Liettionitai onalattelistics								
Item	Symbol	Condition	Stan					
Item			min.	typ.	max.	Unit		
Input Voltage	VDD	VDD=3V ± 5V	2.7	3.0	3.3	>		
Supply Current	IDD	VDD=3V		1 0		mA		
Recommended LC Driving		-20°C	5.9	6.2	6.5	V		
Recommended LC Driving		0°C	5.7	6.0	6.3			
Voltage for Normal Temp.	VDD-V0	25°C	4.6	4.7	4.8			
Version module		50°C	4.3	4.4	4.5			
version moduje		70°C	3.3	3.4	3.5			
LED Forward Voltage	VF	25°C	1.7		2.5	٧		
LED Forward Current	IF	25°C			200	mA		
EL Power Supply Current	IEL	Vel=110VAC;400Hz			5.0	mA		

