WINSTAR Display

OLED SPECIFICATION

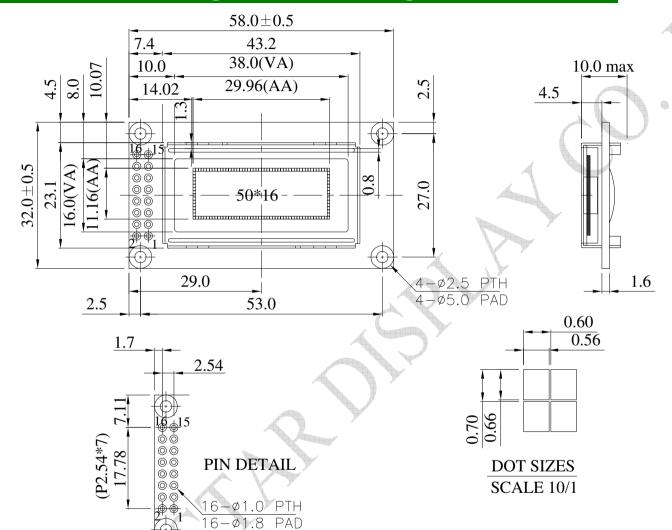
Model No:

WEG005016A

General Specification

Item	Dimension	Unit			
Dot Matrix	50 x 16 Dots	-			
Module dimension	58.0 x 32.0 x 10.0(MAX)	mm			
View area	38.0 x 16.0	mm			
Active area	29.96 x 11.16	mm			
Dot size	0.56 x 0.66	mm			
Dot pitch	0.60 x 0.70	mm			
Panel Type	OLED , Monochrome				
Duty	1/16				
IC	WS0010-TX				
Interface	6800, option 8080, SPI				
Size	1.26 inch				

Contour Drawing & Block Diagram



PIN NO.	SYMBOL
1	VSS
2	VDD
3	NC
4	RS
5	R/\overline{W}
6	E
7	DB0
8	DB1
9	DB2
10	DB3
11	DB4
12	DB5
13	DB6
14	DB7
15	NC
16	NC

The non-specified tolerance of dimension is ± 0.3 mm .

Interface Pin Function

Pin No.	Symbol	Level	Description
1	VSS	0V	Ground
2	VDD	5.0V	Supply Voltage for logic
3	NC	_	
4	RS	H/L	H: DATA, L: Instruction code
5	R/W	H/L	H: Read(Module→MPU) L: Write(MPU→Module)
6	E	H,H→L	Chip enable signal
7	DB0	H/L	Data bit 0
8	DB1	H/L	Data bit 1
9	DB2	H/L	Data bit 2
10	DB3	H/L	Data bit 3
11	DB4	H/L	Data bit 4
12	DB5	H/L	Data bit 5
13	DB6	H/L	Data bit 6
14	DB7	H/L	Data bit 7
15	NC	-	
16	NC		

Absolute Maximum Ratings

Item	Symbol	Min	Max	Unit
Operating Temperature	TOP	-40	+80	°C
Storage Temperature	TST	-40	+85	°C
Supply Voltage For Logic	VDD-VSS	-0.3	5.3	V

Electrical Characteristics

Item	Symbol	Condition	Min	Тур	Max	Unit
Supply Voltage For Logic	VDD-VSS	_	4.8	5.0	5.3	V
Input High Volt.	VIH	_	0.8xVDD		VDD	V
Input Low Volt.	VIL		GND	_	0.2xVDD	V
Output High Volt.	VOH	IOH=-0.5mA	0.8xVDD	_	VDD	V
Output Low Volt.	VOL	IOL=0.5mA	GND	_	0.2xVDD	V
50% Check Board	IDD	VDD=5V	_	19	28.5	mA
Operating Current	IDD	VDD=3V		19	20.5	шА