

WINSTAR Display

OLED SPECIFICATION

Model No:

WEG010032B

General Specification

Item	Dimension	Unit
Dot Matrix	100x 32 Dots	—
Module dimension	98.0 x 60.0 x 10.0(MAX)	mm
View area	77.0 x 25.20	mm
Active area	58.95 x 19.15	mm
Dot size	0.54 x 0.55	mm
Dot pitch	0.59 x 0.60	mm
Panel Type	OLED , Monochrome	
Duty	1/16	
IC	WS0010-TX	
Interface	6800, option 8080, SPI	
Size	2.44 inch	

The drawing shows the mechanical specifications for a 124-pin connector assembly. The top view includes dimensions for the overall width (98±0.5), pin pitch (P2.54*15=38.1), and pin diameter (16-Ø1.0 PTH). The side view shows the total height (124±5) and the distance from the base to the pin center (93). The drawing also indicates the number of pins (16) and the pin pitch (P1.0*15=15) for the bottom row of pins.



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	CS1	—	Chip1 select input pin
16	CS2	—	Chip2 select input pin

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

DC Electrical Characteristics

Item	Symbol	Condition	Min	Typ	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 Operating Current	IDD	VDD=5V	—	60	90	mA