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OLED~128



Product Overview:

The **OLED-128** is a 1.5" 128x128 colour OLED display. This OLED is the same display used in the microOLED range of modules. It allows a very cost effective means of adding a full colour small display to any product or your next microcontroller project. Schematics and sample initialisation code are also available upon purchase.

Main Features:

- 128 x 128 1.5" 262K true to life colours
- SSD1351 Driver IC (Data Sheet available)
- 30 pins on LCD FPC, 0.5mm pitch
- Dimensions: 36mm x 36mm x 1.6mm
- 2.4 to 3.6 Volts supply, nominal 3.3 Volts
- No backlighting



Pin	Name	Description
1,6,25,29,30	NC	Not Used
2	VCC	OLED High Voltage Supply pin, 0-16 Volts, nominal 13 Volts.
3	VCOMH	Voltage output for high level for COM signals.
4	VDDIO	Supply pin for I/O pins. Connect to VDD.
5	VSL	Segment Voltage Reference pin.
7-14	D7-D0	OLED Data, connects to host micro 8 bit data bus or port.
15	E(RD#)	68XX type micro E signal or 80XX type micro RD# signal.
16	R/W#(WR#)	68XX type micro R/W# signal or 80XX type micro WR# signal.
17,18	BS0,BS1	MCU interface select.
19	CS#	OLED Chip Select, Active Low.
20	D/C#	Data/Command, High = Display Data, Low = Command Data
21	RESET#	Reset Signal, Initialises the OLED when Low (Active Low)
22	IREF	Current Reference for Brightness Adjustment.
23,24	GPIO1, GPIO0	Pre-charge Reference Voltage Signals.
26	VDD	Voltage Reference for DC/DC converter.
27	VCI	Supply pin for Logic Circuits.
28	VSS	Ground

Related Products:

- [μOLED-128-G2](#) (microOLED 1.5" GOLDELOX Display Module)
- [4Display-Shield-128](#) (1.5" OLED Display Shield for Arduino)
- [GOLDELOX](#) (Embedded 4DGL Graphics Controller)

For Help and Other Information:

- Questions and technical support please email support@4dsystems.com.au