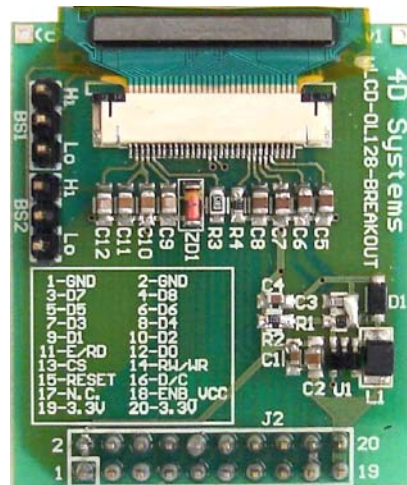
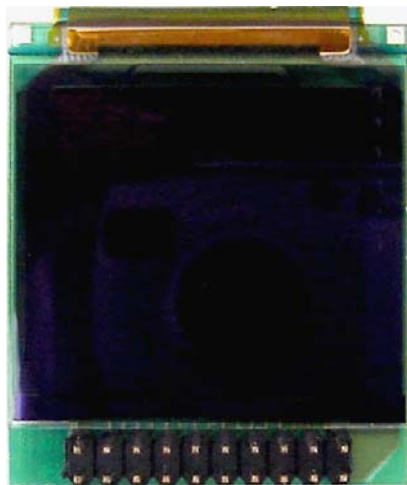




# μOLED-128-BREAKOUT



## Product Overview:

The **μOLED-128-BREAKOUT** is a compact and cost effective carrier board for the 1.5" 128x128 262K colour OLED display (**OLED-128**, purchased separately). This OLED is the same display used in the microOLED range of modules. All of the pins are available via a 20 pin dual row header. The carrier board allows for quick and easy prototyping and can be interfaced to any 8/16/32 bit host micro. Schematics and sample initialisation code are also available upon purchase.

## Main Features:

- Carrier Board for the **OLED-128** display
- 30 pins surface mount OLED header on board
- 20 pins dual row header allowing most OLED signals to be accessed
- Dimensions: 39mm x 46mm
- 2.6 to 3.6 Volts supply, nominal 3.3 Volts
- DC/DC converter for OLED Driver Voltage Supply (VCC)

Pin	Name	Description
1,2	GND	Ground.
3-10,12	D0-D8	OLED Data Bus, connects to host micro 8/9 bit data bus or port
11	E/RD	68XX type micro E signal or 80XX type micro RD signal.
13	CS	OLED Chip Select, Active Low.
14	RW/WR	68XX type micro R/W signal or 80XX type micro WR signal.
15	RESET	Reset Signal, Initialises the OLED when Low (Active Low)
16	D/C	Data/Command, High = Display Data, Low = Command Data
17	N.C.	No Connect, not used
18	ENB_VCC	Hi = Enable DC/DC converter, Low = Disable DC/DC converter
19,20	3.3V	Supply Voltage 2.6 Volts to 3.6 Volts, nominal 3.3 Volts

	68XX 8 bit	80XX 8 bit	Serial Interface	68XX 9 bit	80XX 9 bit
BS1	Lo	Hi	Lo	Lo	Hi
BS2	Hi	Hi	Lo	Hi	Hi
BS3	0	0	0	1	1

BS1, BS2 are selected via jumpers on the board and BS3 is controlled by software command A0.



Breakout board with the OLED display, unfolded



Sample screen shots

## Related Products:

- OLED-128** (1.5" 128x128 RGB 262K colour OLED Display)



## For Help and Other Information:

- Assistance with latest information and downloads visit the **μOLED** product web-page of your local distributor or visit : [www.4dsystems.com.au/downloads/micro-OLED/uOLED-128-BREAKOUT](http://www.4dsystems.com.au/downloads/micro-OLED/uOLED-128-BREAKOUT)
- Questions and technical support please email [support@4dsystems.com.au](mailto:support@4dsystems.com.au)