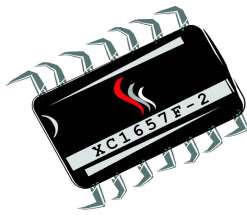# OLED 128x128 Carrier Board


OLED Carrier Board
128x128 OLED Display Breakout
7/11/2006

1 Overview

The OLED carrier board provides a simple method of interfacing with the SKU#: LCD-Color-OLED display. The board provides interface selection jumpers, an on-board boost converter, and external/internal high-voltage supply selection. The circuitry incorporates a boost converter, allowing operation from a single 3.3V supply.

2 Hardware Description

This board has a single interface header and four jumpers (JP1, JP2, BS1, BS2). BS1 and BS2 are used to connect the BS1 and BS2 signals to either Vcc or ground. JP1 and JP2 are single position jumpers with solder-jumper bypasses. To disable, the solder jumper must be removed in addition to removing the jumper. JP1 and JP2 connect the boost converter to the Vcc input and to the +12 display drive channel. To connect an external +12V signal, both JP1 and JP2 should be open. To operate from a single 3.3V Vcc input, both JP1 and JP2 should be closed. The EN pin is connected to the boost converter enable signal. Driving the EN to ground will disable the converter. Driving EN to Vcc or leaving it disconnected will leave the converter enabled.
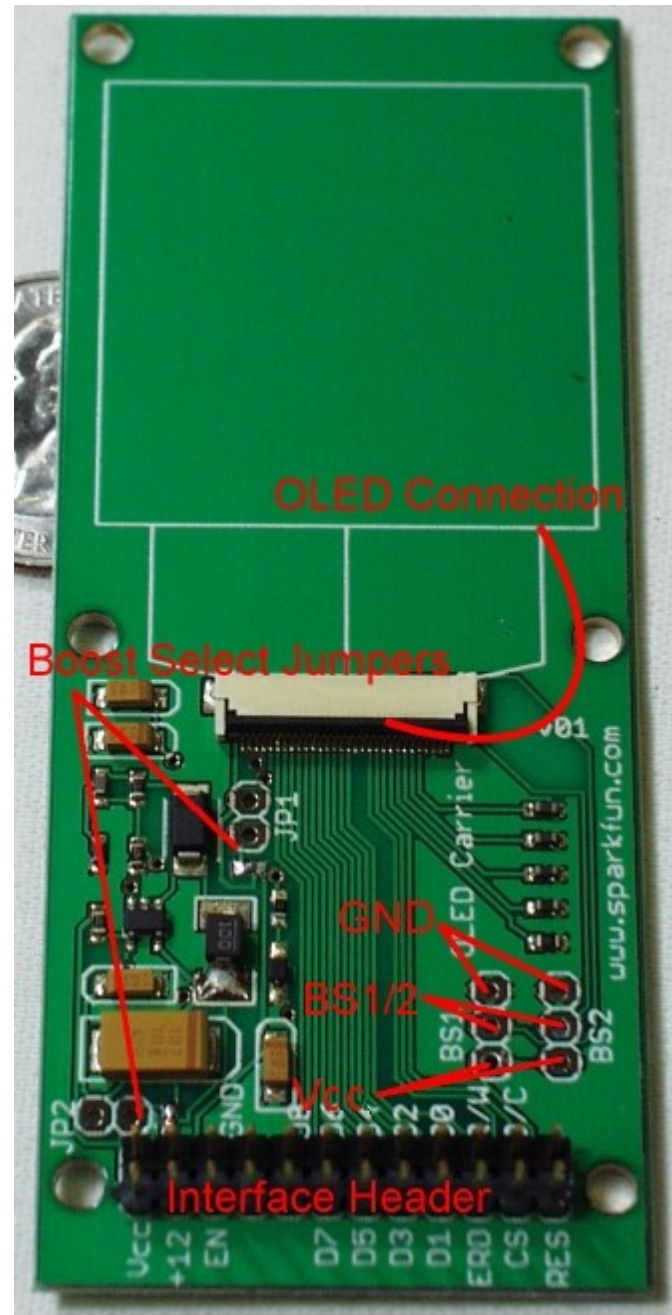
3 References

http://www.sparkfun.com/datasheets/LCD/DFE2828CNCF06.pdf
http://www.sparkfun.com/datasheets/LCD/SSD1339_1.pdf