

This is a Serial VGA module. Max speed: ~1 MHz It is interfaced with the VCLK and VDAT lines. You shift in CLEAR, then 15 address values and 8 data values. CLEAR must always be HIGH in order to write. The resolution is ~80x60 chars. There are 16 soft—switchable banks available. Also added was the PS/2 Keyboard and Mouse support, but this is only a 'breakout board' for the connector. There is no logic incorporated. Lastly, there is 1-Voice Square Wave Audio support. The user must oscillate the line themselves, but the hardware side and 3.5mm Jack are now on—board.

Suggested Connections to a 6522 VIA:
VCLK - PAO
VDAT - PA1
AUD - PB7
KCLK - CA1
KDAT - PA7
MCLK - CA2
MDAT - PA6
B0 - PA2
B1 - PA3
B2 - PA4
B3 - PA5