This is a Serial VGA module.
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 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.

SST39SF010 FlashROM's can be programmed by plugging
them into the RAM slot and sending the appropriate
commands and data. Only the last 32KB can be
programmed, but that is enough for both the
Video ROM and the Char ROM. DIP switches need to
be configured appropriately for the situation.
28C256 EEPROM's cannot be programmed in this manner.

Suggested Connections to a 6522 VIA:
VCLK - PA0
VDAT - PA1
KCLK - CA1
KDAT - PA7