2- Bit RGB

P2[0] – Vertical Sync (VGAVS)

P2[1] – Horizontal Sync (VGAHS)

GND – Red 0 (VGAR0)

P2[2] – Red 1 (VGAR1) – Control Register (0)

P2[3] – Red 2 (VGAR2) – Control Register (1)

GND – Green 0 (VGAG0)

P2[4] – Green 1 (VGAG1) – Control Register (2)

P2[5] – Green 2 (VGAG2) – Control Register (3)

GND – Blue 0 (VGAB0)

P2[6] – Blue 1 (VGAB1) – Control Register (4)

P2[7] – Blue 2 (VGAB2) – Control Register (5)

5V – VCC

GND – GND

Control Register (6 – Bit) – Color Outputs:

0x03 = Red

0x0C = Green

0x30 = Blue

0x07 = Orange