Using LEDs

The MDA 8086 kit has four **LEDs** on the top-right corner, connected to an 8255 microcontroller, L1, L2, L3 and L4. These LEDs have the colours Red, Green, Yellow and Red respectively.

The four ports of the 8255 microcontroller are:

* 19h for Port A
* 1Bh for Port B
* 1Dh for Port C
* 1Fh for the control register

To control the LEDs, we will be using **Port B**. To switch on the LEDs, we can set these values to the memory location:

* 11110001 for L1
* 11110010 for L2
* 11110100 for L3
* 11111000 for L4