

```

program ADC_on_LEDs
dim temp_res as word

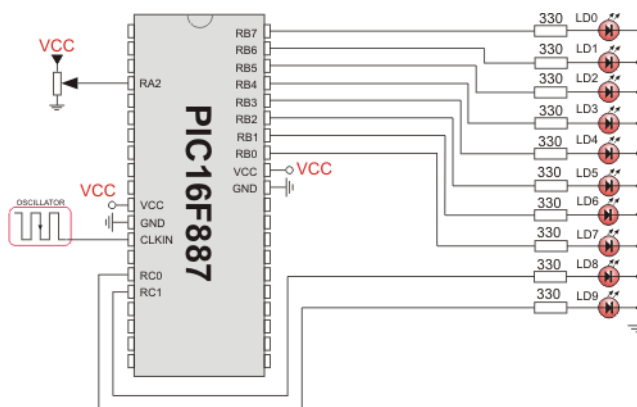
main:
  ANSEL = 0x04           ' Configure AN2 pin as analog
  ANSELH = 0            ' Configure other AN pins as digital I/O
  C1ON_bit = 0          ' Disable comparators
  C2ON_bit = 0

  TRISA = 0xFF          ' PORTA is input
  TRISB = 0             ' PORTB is output
  TRISC = 0            ' PORTC is output

  while (TRUE)
    temp_res = ADC_Read(2) ' Get 10-bit results of AD conversion
    PORTB = temp_res       ' Send lower 8 bits to PORTB
    PORTC = word(temp_res >> 8) ' Send 2 most significant bits to RC1, RC0
  wend
end.

```

HW Connection



ADC HW connection

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