Task1 (a)

Describe all the pins of PIC16f877

This pic16f877a microcontroller has an 40 pins

33 of them are used as an i/o pins

And 1 pin for master clear

and 2 pins for Oscillator

and 4 for power supply

صورة تحتوي على نص, لقطة شاشة, الخط, خط

تم إنشاء الوصف تلقائياً

This pins is grouped by ports we have 5 ports as you see in this pic

**PORTA (RA0-RA5)**: 5 digital I/O pins (RA0-RA4) and 1 analog input pin (RA0).

**PORTB (RB0-RB7)**: 8 digital I/O pins.

**PORTC (RC0-RC7)**: 8 digital I/O pins.

**PORTD (RD0-RD7)**: 8 digital I/O pins.

**PORTE (RE0-RE2)**: 3 digital I/O pins.

**We will break down this pins to know the functionality of all pins**

**At first: Reset Pin**

**MCLR/VPP (Pin 4)**: Master Clear Reset/Voltage Programming Pin. Used to reset the microcontroller and for in-circuit programming.