

# Download Pic18f Stepper Motor Program

Stepper Motor can be easily interfaced with PIC Microcontroller by using readymade ICs such as L293D or ULN2003. As I said in the article Stepper Motor or Step Motor, we have three different types of stepping modes for unipolar stepper motor.. Note: 1 – Represents Supply Voltage and 0 – Represents Ground Wave Drive. In this mode only one stator electromagnet is energised at a time. For applications where precise measuring of a motors' rotor position is critical, a Stepper Motor is the best choice. Stepper motors operate differently from other motors; rather than voltage being applied and the rotor spinning smoothly, stepper motors turn on a series of electrical pulses to the motor's windings. A Tutorial for interfacing Stepper Motor with pic18F4550 microcontroller. The Projects shows a simple stepper motor interface with two examples of source code, demonstrating various modes of stepper motor stepping along with detailed logic diagrams and circuitry. The project is posted with necessary schematic, description and project files for download. A Stepper Motor is a brushless, synchronous DC motor which divides a full rotation into a number of steps. For detailed information on working, types and stepping modes, refer the article on Stepper Motors. Here the operation of a unipolar Stepper motor with PIC18F4550 microcontroller has been explained.