

Control a Servo Motor with PWM using MPLABX[®] Code Configurator

DATE: 5/14/2020

TIME: 9:00 am to 4:00 pm

LOCATION: Microchip Technology Regional Training Center, 112 Turnpike Road, Suite 200, Westborough Executive Park, Westborough, Massachusetts 01581

COURSE DESCRIPTION: Write code using the Microchip Code Configurator to control a servo motor using PWM techniques. Students write the code, and debug their project on a Curiosity Development Board DM164137 with a hobby servo that they keep.

PREREQUISITES: Basic familiarity with PIC[®] Microprocessors, C, MPLAB[®] X, and Code Configurator

OUTLINE:

- Introduction to the Curiosity Development Board DM164137
- Quick review of the Microchip Code Configurator Tool in MPLAB[®] X
- Review of how a servo motor is controlled
- Review of different PWM techniques with advantages and limitations
- Hands on Lab

MATERIALS PROVIDED:

- Curiosity Development Board DM164137, Servo Motor, and USB cable
- PDF of presentation.
- Sample code routines used in class

REQUIRED:

- Your computer with MPLAB[®] X and XC8 installed.
- Payment by 4/28/2020

FEE: \$449.00 per person.

ACCEPTED PAYMENT: Check, PayPal, or Credit Card.

TO REGISTER: Email Mchipguru@gmail.com for payment information and available discounts.