

# HEF & Timers using MPLABX<sup>®</sup> Code Configurator Hands on

DATE: 5/19/2023

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 use high endurance flash memory for data storage and to use the timer resources. Students write the code, and debug their project on a Curiosity Development Board DM164137 that they keep.

PREREQUISITES: Basic familiarity with PIC<sup>®</sup> Microprocessors, C, MPLAB<sup>®</sup> X, and Code Configurator

## OUTLINE:

- Introduction to the Curiosity Development Board DM164137
- Quick review of the Microchip Code Configurator Tool in MPLAB<sup>®</sup> X
- Review of High Endurance Flash
- Review of Timer Peripherals
- Hands on Lab

## MATERIALS PROVIDED:

- Curiosity Development Board DM164137 and USB cable
- PDF of presentation.
- Sample code routines for HEF and Timer use

## REQUIRED:

- Your computer with MPLAB<sup>®</sup> X and XC8 installed.
- Payment by 5/5/2023

FEE: \$449.00 per person.

ACCEPTED PAYMENT: Check, PayPal, or Credit Card.

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