

PIC32MX[®] Microcontrollers Hands on

DATE: 6/11/2020

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: Designing hardware and firmware with Microchip PIC[®] 32MX processors by use of a simple example. Students will design their prototype, write the code, and debug their project on a PIC32MX Curiosity Development Board DM320103 that they will leave with.

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

OUTLINE:

- Introduction to the PIC32MX processor
- Introduction to the PIC32MX Curiosity Development Board DM320103
- Definition of the project problem
- Breaking down the problem and selection of processor
- Hardware design using a PIC32MX processor
- Firmware design with XC32 C compiler
- Learning to program the part using the Curiosity Development Board DM320103
- Debugging your project using the MPLAB[®] X simulator and Curiosity

MATERIALS PROVIDED:

- PIC32MX Curiosity Development Board DM320103
- PDF of presentation

REQUIRED:

- Your computer with MPLAB[®] X v 5.15 or later and XC32 v 2.3 or later installed.
- Payment by 5/26/2020

FEE: \$449.00 per person.

ACCEPTED PAYMENT: Check, PayPal, or Credit Card.

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