

ကာတိတာ

- ၁၁။ PIC18F Microcontroller Series
 - ၁၁၁ PIC18FXX2 Architecture
 - ၁၁၂ Program Memory Organization
 - ၁၁၃ Data Memory Organization
 - ၁၁၄ The Configuration Registers
 - ၁၁၄၁ CONFIG1H
 - ၁၁၄၂ CONFIG2L
 - ၁၁၄၃ CONFIG2H
 - ၁၁၅ The Power Supply
 - ၁၁၆ The Reset
 - ၁၁၆၁ Power-on-Reset
 - ၁၁၇ The Clock Sources
 - ၁၁၇၁ Crystal or Ceramic Resonator Operation
 - ၁၁၇၂ External Clock Operation
 - ၁၁၇၃ Resistor/Capacitor Operation
 - ၁၁၇၄ Crystal or Resonator with PLL
 - ၁၁၇၅ Internal Clock
 - ၁၁၇၆ Clock Switching
 - ၁၁၈ Watchdog Timer
 - ၁၁၉ Parallel I/O Ports
 - ၁၁၉၁ PORTA
 - ၁၁၉၂ PORTB
 - ၁၁၉၃ PORTC, PORTD, PORTE, and Beyond
 - ၁၁၁၀ TIMER
 - ၁၁၁၀၁ TIMER 0
 - ၁၁၁၀၂ TIMER 1
 - ၁၁၁၀၃ TIMER 2
 - ၁၁၁၀၄ TIMER 3
 - ၁၁၁၁ Capture/Compare/PWM Modules (CCP)
 - ၁၁၁၁၁ Capture Mode
 - ၁၁၁၁၂ Compare Mode
 - ၁၁၁၁၃ PWM Mode

C Programming Language

- ၂၁၁ နည်း
 - ၂၁၁၁ Structure of a mikroC Program
 - ၂၁၁၂ Comments
 - ၂၁၁၃ Beginning and Ending of a Program
 - ၂၁၁၄ Terminating Program Statements
 - ၂၁၁၅ White Spaces
 - ၂၁၁၆ Case Sensitivity
 - ၂၁၁၇ Variable Names
 - ၂၁၁၈ Variable Types
 - ၂၁၁၉ Constants
 - ၂၁၁၁၀ Escape Sequences
 - ၂၁၁၁၁ Static Variables
 - ၂၁၁၁၂ External Variables
 - ၂၁၁၁၃ Volatile Variables
 - ၂၁၁၁၄ Enumerated Variables
 - ၂၁၁၁၅ Arrays
 - ၂၁၁၁၆ Pointers
 - ၂၁၁၁၇ Structures
 - ၂၁၁၁၈ Unions
 - ၂၁၁၁၉ Operators in C
 - ၂၁၁၁၁၀ Modifying the Flow of Control
 - ၂၁၁၁၁၁ Mixing mikroC with Assembly Language Statements
- ၂၁၁၂ PIC Microcontroller Input-Output Port Programming
- ၂၁၁၃ Programming Examples

နည်း(၃) Functions and Libraries in mikroC

- ၂၁၃၁ mikroC Functions
 - ၂၁၃၁၁ Function Prototypes
 - ၂၁၃၁၂ Passing Arrays to Functions
 - ၂၁၃၁၃ Passing Variables by Reference to Functions
 - ၂၁၃၁၄ Variable Number of Arguments
 - ၂၁၃၁၅ Function Reentrancy
 - ၂၁၃၁၆ Static Function Variables
- ၂၁၃၂ mikroC Built-in Functions

- ၁၁၁၁ Analog-to-Digital Converter (A/D) Module
 - ၁၁၁၁၁ Analog Input Model and Acquisition Time
- ၁၁၁၂ Interrupt
 - ၁၁၁၂၁ RCON Register

- ၂၁၃၃ mikroC Library Functions
 - ၂၁၃၃၁ EEPROM Library
 - ၂၁၃၃၂ LCD Library
 - ၂၁၃၃၃ Software UART Library
 - ၂၁၃၃၄ Hardware USART Library
 - ၂၁၃၃၅ Sound Library
 - ၂၁၃၃၆ ANSI C Library
 - ၂၁၃၃၇ Miscellaneous Library

နည်း(၄) mikroC Integrated Development Environment (IDE)

- ၂၁၄၁ နည်း
 - ၂၁၄၁၁ Software Development Tools
 - ၂၁၄၁၁၁ Text Editors
 - ၂၁၄၁၁၂ Assemblers and Compilers
 - ၂၁၄၁၁၃ Simulators
 - ၂၁၄၁၁၄ High-Level Language Simulators
 - ၂၁၄၁၁၅ Integrated Development Environments (IDEs)
 - ၂၁၄၂ Hardware Development Tools
 - ၂၁၄၃ mikroC Integrated Development Environment (IDE)
 - ၂၁၄၃၁ mikroC IDE Screen
 - ၂၁၄၃၂ Creating and Compiling a New File
 - ၂၁၄၃၃ Using the Simulator

နည်း(၅) Simple PIC18 Projects

- ၂၁၅၁ နည်း
 - ၂၁၅၁၁ Program Description Language (PDL)
 - ၂၁၅၁၁၁ START-END
 - ၂၁၅၁၁၂ Sequencing
 - ၂၁၅၁၁၃ IF-THEN-ELSE-ENDIF
 - ၂၁၅၁၁၄ DO-ENDDO
 - ၂၁၅၁၁၅ REPEAT-UNTIL
 - ၂၁၅၁၂ PROJECT 5.1 – Chasing LEDs
 - ၂၁၅၁၃ PROJECT 5.2 – LED Dice
 - ၂၁၅၁၄ PROJECT 5.3 – Two-Dice Project
 - ၂၁၅၁၅ PROJECT 5.4 – Two-Dice Project Using Fewer I/O Pins
 - ၂၁၅၁၆ PROJECT 5.5 – 7-Segment LED Counter
 - ၂၁၅၁၇ PROJECT 5.6 – Two-Digit Multiplexed 7-Segment LED

နည်း(၆) Advanced PIC18 Projects- SD Card Projects

- ၂၁၆၁ နည်း
 - ၂၁၆၁၁ The SPI Bus
 - ၂၁၆၁၂ Operation of the SD Card in SPI Mode
 - ၂၁၆၁၃ mikroC Language SD Card Library Functions
 - ၂၁၆၁၄ PROJECT 6.1 – Read CID Register and Display on a PC Screen
 - ၂၁၆၁၅ PROJECT 6.2 – Read/Write to SD Card Sectors
 - ၂၁၆၁၆ PROJECT 6.3 – Using the Card Filing System
 - ၂၁၆၁၇ PROJECT 6.4 – Temperature Logger

နည်း(၇) Advanced PIC18 Projects- USB Bus Projects

- ၂၁၇၁ နည်း
 - ၂၁၇၁၁ PIC18 Microcontroller USB Bus Interface
 - ၂၁၇၁၂ mikroC Language USB Library Functions
 - ၂၁၇၁၃ PROJECT 7.1 – USB-Based Microcontroller Output Port
 - ၂၁၇၁၄ PROJECT 7.2 – USB-Based Microcontroller Input/Output
 - ၂၁၇၁၅ PROJECT 7.3 – USB-Based Ambient Pressure Display on the PC