

မာတိကာ

စာရေးသူ၏အမှာစာ

အခန်း(၁) PicBasic Pro Programming Language

- ၁-၁ နိဒါန်း
- ၁-၂ PicBasic Pro Programming Language
- ၁-၂-၁ PicBasic Pro Variables
- ၁-၂-၂ Constants
- ၁-၂-၃ Comments
- ၁-၂-၄ Multi-statement Lines
- ၁-၂-၅ INCLUDE
- ၁-၂-၆ DEFINE
- ၁-၂-၇ Line Extension
- ၁-၂-၈ Accessing Ports and other Registers in PicBasic Pro
- ၁-၂-၉ Arithmetic Operators
- ၁-၂-၁၀ PicBasic Pro Commands
- ၁-၃ Interrupts

အခန်း(၂) MicroCode Studio Plus IDE

- ၂-၁ နိဒါန်း
- ၂-၂ MicroCode Studio Plus IDE ကို Install လုပ်ခြင်း
- ၂-၃ MicroCode Studio Plus Configuration
- ၂-၄ Compiler, Assembler and Programmer Configuration
- ၂-၅ Compiling a Source File
- ၂-၆ Compiling and Programming a Source File
- ၂-၇ In Circuit Debugger (ICD)

အခန်း(၃) Projects with PIC16F628A & PIC16F873A

- ၃-၁ နိဒါန်း
- ၃-၂ Project # 3-1
- Simple Flashing LED
- ၃-၃ Using a Different Microcontroller
- ၃-၄ Project # 3-2
- Complex Flashing LED

- ၃-၅ Project # 3-3
- Flashing LED Warning Lights
- ၃-၆ Project # 3-4
- Turning on Odd number LEDs
- ၃-၇ Project # 3-5
- Binary Counting LEDs
- ၃-၈ Project # 3-6
- Left Scrolling LEDs
- ၃-၉ Project # 3-7
- Right Scrolling LEDs
- ၃-၁၀ Project # 3-8
- Right - Left Scrolling LEDs
- ၃-၁၁ Project # 3-9
- Right-Left/Left-Right Continuously Scrolling LEDs
- ၃-၁၂ Project # 3-10
- Progressive Scrolling LEDs(LSB to MSB)
- ၃-၁၃ Project # 3-11
- Progressive Scrolling LEDs(MSB to LSB)
- ၃-၁၄ Project # 3-12
- Right-Left/Left-Right Progressive Scrolling LEDs
- ၃-၁၅ Project # 3-13
- LED Dice
- ၃-၁၆ Project # 3-14
- 7-segment LED Display Counter
- ၃-၁၇ Project # 3-15
- 7-segment LED Dice
- ၃-၁၈ Project # 3-16
- Dual 7-segment LED Display
- ၃-၁၉ Project # 3-17
- Dual 7-segment LED Display Counter
- ၃-၂၀ Project # 3-18
- Dual 7-segment LED Display Down-Counter
- ၃-၂၁ Project # 3-19
- Dual 7-segment LED Display Down-Counter with Blanking Leading Digit
- ၃-၂၂ Project # 3-20
- Dual 7-segment LED Event Counter
- ၃-၂၃ Project # 3-21
- 4-Digit LED Display with Serial Driver- Counter
- ၃-၂၄ Project # 3-22
- 4-Digit LED Display with Serial Driver - Counter Project with Leading Zeros Blanked
- ၃-၂၅ Project # 3-23
- 4-Digit External Interrupt-driven Event Counter
- ၃-၂၆ Project # 3-24
- 4-Digit Timer Interrupt-driven Chronograph

အခန်း(၄) Projects with PIC16F876 & PIC16F877

- ၄-၁ နိဒါန်း
- ၄-၂ Project # 4-1
- Flashing an LED
- ၄-၃ Project # 4-2
- Scrolling LEDs
- ၄-၄ Project # 4-3
- Driving a 7-Segment LED Display
- ၄-၅ Project # 4-4
- Accessing Port A I/O
- ၄-၆ Project # 4-5
- Analog-to-Digital Conversion
- ၄-၇ Project # 4-6
- Driving a Servomotor
- ၄-၈ Project # 4-7
- Driving an LCD Module
- ၄-၉ Project # 4-8
- Serial Communication
- ၄-၉-၁။ Terminal Window ကိုအသုံးပြု၍ ပရိုဂရမ်ကိုစမ်းသပ်ခြင်း
- ၄-၉-၂။ Serial Communicator Window ကိုအသုံးပြု၍ပရိုဂရမ်ကိုစမ်းသပ်ခြင်း
- ၄-၁၀ Project # 4-9
- Driving an LCD with a Single Serial Connection
- ၄-၁၁ Project # 4-10
- Using External Memory

အခန်း(၅) Robotics

- ၅-၁ နိဒါန်း
- ၅-၂ Project # 5-1
- Servomotor-based Mobile Robot Control
- ၅-၂-၁ Operating the Servomotor
- ၅-၂-၂ Forward Movement
- ၅-၂-၃ Backward Movement
- ၅-၂-၄ Moving the Robot for Required amount of Time
- ၅-၂-၅ Measuring the Speed of the Robot
- ၅-၂-၆ Turning Left and Right

နောက်ဆက်တွဲ

EPIC PROGRAMMER BOARD ဖြင့် (28-PIN, 40-PIN) PIC မိုက်ခရိုကွန်ထရိုလာတို့ကို ပရိုဂရမ်သွင်းရန်အတွက် Header 5x2 connector (J3) ကို အသုံးပြုနည်းများ