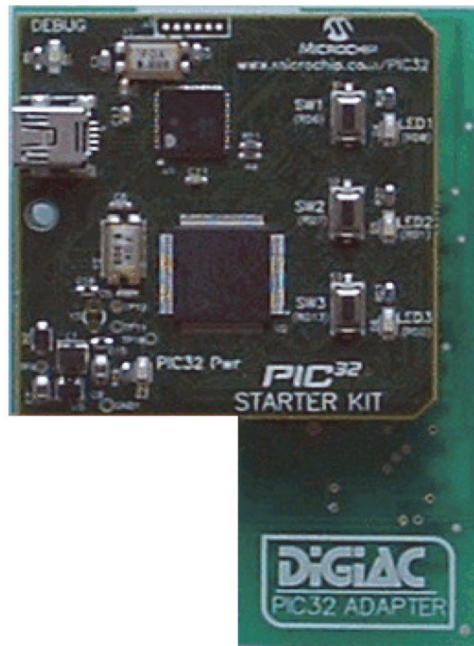


Product Information Sheet

PIC 32 Extension Kit



This electronics study module is designed to connect to the Advanced Electronics Experiment Platform (300-01) as part of a modular electronics programme.

This pack is designed to extend the capabilities of the 316-01 Microcontroller Study Module to include 32-bit microcontrollers.

Using the Advanced Electronics Experiment Platform, a range of faults to be selected and inserted into the study module circuits to develop electronic diagnostic and faultfinding techniques.

The study module is supplied with PDF manuals that provide theory materials, practical tasks, faultfinding activities, and technical information.

User Guide Contents Include:

- Equipment installation
- Connecting the Adapter
- Disconnecting the Adapter
- Compatibility
- Port Mapping
- Sample Programs and Useful Routines
- Recommended Hardware Connections
- Introduction to C Programming (including examples)
- Start-up Code
- Interrupts
- C Operator Reference and Precedence Table
- PIC32 Adapter Schematic Diagram

The demonstration routines on the Support CD illustrate the following:

- Basic Input/Output using switches and LEDs
- Delay routines using a timer
- Push-button scanning and debouncing
- 7-Segment Display driving and message generation
- Keypad scanning, debouncing and encoding
- Password entry with non-volatile memory (EEPROM) storage and retrieval

- Analog-to-Digital (A/D) conversion, scaling, and voltage display
- Digital-to Analog (D/A) conversion using Pulse-Width Modulation (PWM)
- Waveform generation using PWM in conjunction with interrupts
- Tone and music generation with a piezo sounder

Items Included:

- Circuit Card
- Storage Case
- User Manual in PDF Format

Other Items Required:

- 316-01 PIC 3000 Microcontroller Study Module
- *And*
- 300-01 Advanced Electronics Experiment Platform

General Information:

Dimensions: 149 x 55 x 210 mm (W, H, D)
Shipping Volume: Approx 0.008 m³
Shipping Weight: Approx 2 kg

Order Code: 316-02

P8536-C

For more information visit www.ljcreate.com