DATA SHEET

Order code	Manufacturer code	Description
13-0879	n/a	PICAXE-20 PROJECT BOARD KIT RC

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The enclosed information is believed to be correct, Information may change without noticeqdue to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 20/02/2007

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AXE005 PICAXE-20M Starter Pack

Contents:

- AXE012M   PICAXE-14M microcontroller
- AXE118   Project board and instruction leaflet.
- BAS805   CD ROM (software, tutorial & manuals)
- BAT013   3xAA 4.5V Battery Box
- AXE026   PICAXE Serial Download cable

or

- AXE027   PICAXE USB Download cable

PICAXE-20M

+V	1	20	0V
Serial In	2	19	Serial Out
ADC 7 / Input 7	3	18	Output 0 / Infraout
Input 6	4	17	Output 1
Input 5	5	16	Output 2
Input 4	6	15	Output 3
ADC 3 / Input 3	7	14	Output 4
ADC 2 / Input 2	8	13	Output 5
ADC 1 / Input 1	9	12	Output 6
Infrain / Input 0	10	11	Output 7
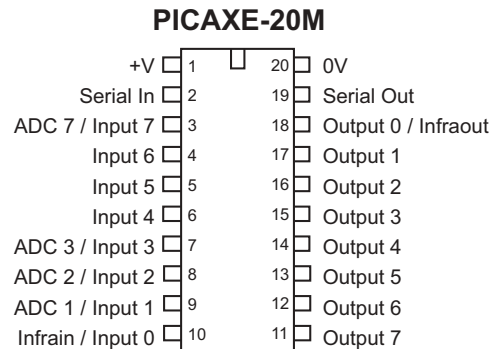
Introduction

The 'PICAXE' is an easy-to-program microcontroller system that exploits the unique characteristics of the new generation of low-cost 'FLASH' memory based microcontrollers. These microcontrollers can be programmed over and over again without the need for an expensive programmer. The power of the PICAXE system is its simplicity. No programmer, eraser or complicated electronic system is required - the microcontroller is programmed (with a simple 'BASIC' program) via a 3-wire connection to the computer's serial port. The operational PICAXE circuit uses just 2 components and can be easily constructed on the prototyping board supplied, or on strip-board or a home made PCB design.

The PICAXE-20M microcontroller provides 8 input and 8 output pins (with analogue input features) and 2 serial interface pins.

- *low-cost, simple to construct circuit*
- *8 input / 8 output pins*
- *rapid download via serial/usb cable*
- *free, easy to use Programming Editor software*
- *simple to learn BASIC language*
- *can also be programmed graphically with flowcharts*
- *free manuals and online support forum*

Instructions for use:

1. Peel off the light green protective layer from the rear of the project board. Assemble the board according to the instructions provided within the kit.

2. Connect a 4.5V (3 x AA battery) pack. DO NOT use a 9V PP3 battery.

3. The Programming Editor software and manuals are supplied on the CD ROM, which should automatically start when inserted into a computer. If the CD ROM does not start automatically then run the file d:\INDEX.HTM

4. If new to the PICAXE system please follow the instructions and tutorials within

    'PICAXE Manual Part 1 - Getting Started'

5. The manual for the project board is found from the following menu of the software:

    Help>PICAXE08>AXE118 Project board

6. The software and manuals are occasionally updated. Latest versions of these can be freely downloaded from the website www.picaxe.co.uk

AXE027 USB Cable:

Installation instructions are in the PICAXE manual. USB drivers are on the CDROM.

AXE005.PMD