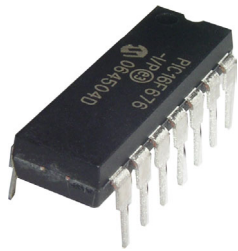
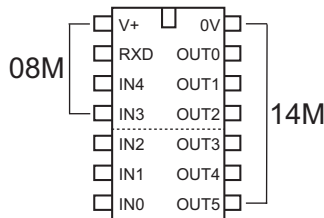


NEW PICAXE-14M AND PICAXE-28X1 CHIPS



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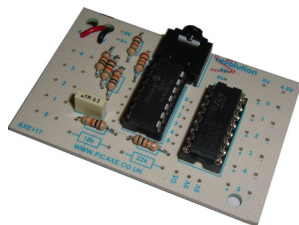


PICAXE-14M

The **PICAXE-14M** is a new 14 pin 'big brother' to the ever popular PICAXE-08M. The PICAXE-14M has almost identical features to the PICAXE-08M, but has more input/output pins (5 inputs (including 2 ADC) and 6 outputs).

The PICAXE-14M pinout is ideal for student home-made strip-board / PCB layouts due to the unique 'inputs on left - outputs on right' pinout. As an added bonus the pinout is also compatible with the PICAXE-08M chip.

For those who prefer a ready made project PCB the very economical AXE117 14 pin project board kit is also now available.



PICAXE-28X1

Reset	1	28	Output 7
ADC 0 / In a0 / ULPWU	2	27	Output 6
ADC 1 / In a1	3	26	Output 5
ADC 2 / In a2	4	25	Output 4
ADC 3 / In a3	5	24	Output 3
Serial In	6	23	Output 2
Serial Out	7	22	Output 1
0V	8	21	Output 0
Resonator	9	20	+V
Resonator	10	19	0V
In 0 / Out c0 / timer clk	11	18	In 7 / Out c7 / ser rx / kb data
In 1 / Out c1 / pwm 1	12	17	In 6 / Out c6 / ser tx / kb clk
In 2 / Out c2 / pwm 2	13	16	In 5 / Out c5 / spi sdo
In 3 / Out c3 / i2c scl / spi sck	14	15	In 4 / Out c4 / i2c sda / spi sdi

PICAXE-28X1

It's PICAXE, but better!

We've taken the existing PICAXE-28X and added all the extra features commonly requested by customers (and then we added some extras we thought of!).

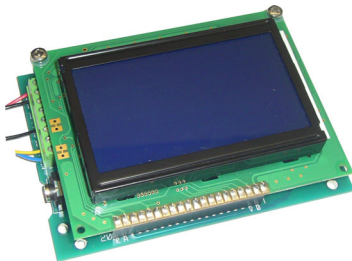
The new generation PICAXE-28X1 provides many new features:

- double the memory and double the number of variables
- new additional 128 byte scratchpad RAM area
- new improved high speed serial interfacing (with timeouts)
- high speed i2c, spi, 1-wire, and infra-red interfacing
- i2c slave mode for simple PICAXE to PICAXE networks
- internal resonator for simplified circuits
- on-screen line by line simulation with real-life inputs/outputs

Also available in 40 pin format (PICAXE-40X1).

For further information please see
www.picaxe.co.uk

SERIAL GLCD MODULE



The serial GLCD kit includes a 128x64 white on blue backlit graphics LCD which is fitted to a serial driver board. This allows text and graphics to be displayed on the GLCD via simple serial commands from a PICAXE-28X1 project. Optional software also allows graphics files to be downloaded and stored within the module's internal EEPROM memory.

Serial GLCD Module: LED042
GLCD Download Software: LED043

SERIAL / SPI MP3 MODULE



This MP3 module provides a method for PICAXE projects to play music. The MP3 music files are first saved onto a low cost USB thumb drive (not included), which is then inserted into the module. A speaker or set of headphones is also then connected to the MP3 module. The PICAXE-28X1 chip can then control music playback via a serial or SPI connection to the module.

Serial MP3 Module: USB030

SERIAL / SPI USB INTERFACE



The usb thumb drive interface allows a PICAXE-28X1 chip to write and read files from a low cost USB thumb drive (not included). Connection is made via a serial or SPI connection. The 28X1 can then create, read and write files (e.g. datalogging tables) to the drive. The thumb drive can then later be removed and inserted into a computer, where the files are processed as normal.

Serial USB Drive Module: USB031