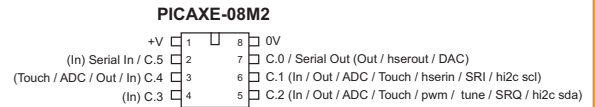


PICAXE MICROCONTROLLER CHIPS

PICAXE MICROCONTROLLERS



The PICAXE system can be used with 6 different physical sizes of PICAXE chip (8, 14, 18, 20, 28 and 40 pin). The primary difference between the sizes of chips is the number of input/output pins available – the larger chips cost a bit more but have more i/o pins available. The same software, BASIC language and download cable is common to all size chips.



Within a chip size there are sometimes variants (e.g. for the 20 pin PICAXE the 20M2 and 20X2 variants are available). The principal difference between the variants is the amount of memory (ie how long a program can be downloaded into the chip). The higher specification variants also have some increased functionality (e.g. more commands and more variables). Any project can be upgraded to the next level variant at any point (e.g. if your program is too long for the variant of chip used) by simply replacing the microcontroller in your circuit with the upgraded variant. All upgraded variants are pin and program compatible with the lower specification device.

The recommended part for new designs is:

Standard: (800 - 1800 line memory)

08	PICAXE-08M2	6 configurable i/o	0-3 ADC	32MHz
14	PICAXE-14M2	12 configurable i/o	0-7 ADC	32MHz
18	PICAXE-18M2	16 configurable i/o	0-10 ADC	32MHz
20	PICAXE-20M2	16 configurable i/o	0-11 ADC	32MHz
28	PICAXE-28X1	0-12 inputs, 9-17 outputs	0-4 ADC	20MHz
40	PICAXE-40X1	8-20 inputs, 9-17 outputs	3-7 ADC	20MHz

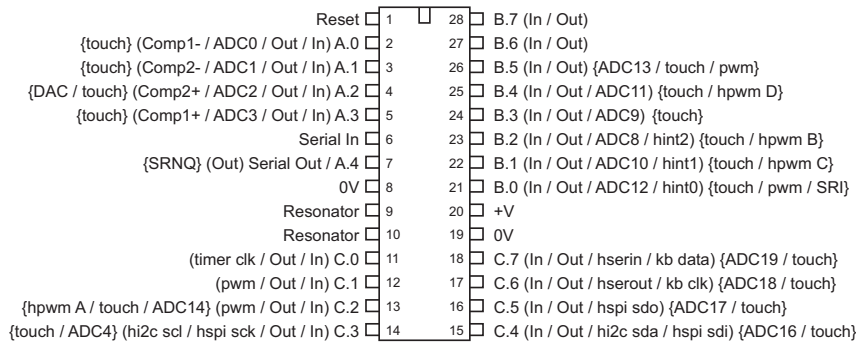
Advanced: (2000 - 3200 line memory in up to 4 separate slots)

20	PICAXE-20X2	18 configurable i/o	0-8 ADC	64MHz
28	PICAXE-28X2	22 configurable i/o	0-16 ADC	64MHz
40	PICAXE-40X2	33 configurable i/o	0-27 ADC	64MHz

Discontinued older parts:

08, 08M, 14M, 18, 18A, 18M, 18X, 20M, 28, 28A, 28X, 40X

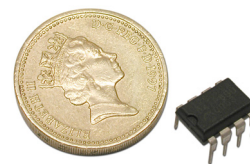
PICAXE-28X2



PICAXE CHIP ORDER CODES

PICAXE chips are available in singles or in 'full tube' quantity (depending on physical size) as follows:

PICAXE-08M2:	1=AXE007M2	60=AXE009M2
PICAXE-14M2:	1=AXE017M2	30=AXE018M2
PICAXE-18M2:	1=AXE015M2	25=AXE016M2
PICAXE-20M2:	1=AXE012M2	22=AXE013M2
PICAXE-28X1:	1=AXE010X1	15=AXE011X1
PICAXE-40X1:	1=AXE014X1	
PICAXE-20X2:	1=AXE012X2	22=AXE013X2
PICAXE-28X2:	1=AXE010X2	15=AXE011X2
PICAXE-40X2:	1=AXE014X2	



For surface mount parts add 'SM' to the end of the order code.