PICAXE-08M2LE for OEM Customers (150mil SOIC)

Due to the global microcontroller shortage in 2021/2022 we have reintroduced the PICAXE-08M2LE device, as it is currently easier to source this part and it is therefore available on much shorter lead times. We have good shelf stocks of this LE part in surface mount format and can supply immediately from stock.

The PICAXE-08M2LE is a drop-in pin-compatible replacement for the PICAXE-08M2.

The LE part uses the same PICAXE firmware and uses the same Microchip technology, but has a reduced memory capacity. It uses the 12F1822 microcontroller instead of the 12F1840 - both these devices are from the same Microchip microcontroller family so have the same characteristics.

Principle Memory Differences

If you wish to store 0.5GB of photographs, it does not matter if you use a 1GB or 2GB or 10GB memory stick – they can all store the photos. The same principle applies to the PICAXE-08M2LE, if your BASIC program is shorter than approximately 80 lines of BASIC code it will probably work inside the smaller memory LE device too.

	08M2LE	08M2
Microcontroller	12F1822	12F1840
Pinout	8 pin 150mil SOIC	8 pin 150mil SOIC
BASIC Code Lines	Approx 80	Approx 256
RAM (bytes)	32	128
Order Code	AXE007M2LE-SM	AXE007M2-SM

Testing

To test whether your existing 08M2 program will also work in the PICAXE-08M2LE use the 'Show more PICAXE types' link to enable the PICAXE-08M2LE compiler. Select this PICAXE type and then click the 'Syntax Check' button. If the program compiles without error you can now consider using the 08M2LE part instead.

As with any product update please ensure that you test your product thoroughly, however the change in device should not cause any issues.