Writing EEPROMs with PICkit3

The Microchip PICkit3 is a full featured PIC programmer that can also write EEPROMs.

The following description is the correct pin out:

Connections for 24LC devices – typical configuration

PICkit 3 Pin	EEProm Device Pin (DIP)	Usage
(2) VDD	8	VCC
(3) GND	4	VSS
(5) PGC	6	SCL (driven as push-pull)
(6) PGM(LVP)	5	SDA (requires pullup)
	7	WP - disabled (GND)
	1,2 and 3 AX Pins	Connect to Vdd or GND per datasheet and to set address.

If you get "**I2C Bus Error (No Acknowledge)-Aborted**" first inspect all the connections, then, ensure you have pull-up resistors fitted to SDA and SCL, and, review the Microchip advice in section A.4 Device Support (show below).

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A.4 DEVICE SUPPORT

Refer to the PICkit 3 Readme for a list of supported devices.

> **Note:** The UNI/O (IILC) Serial EEPROM devices require the following PICkit 3 hardware consideration or change to work properly:
>
> Application pull-up resistor needs to be 9.1k ohm or less
> or
> Remove R50 from the PICkit 3.

> **Note:** The I$_2$C (24LC) Serial EEPROM devices require the following PICkit 3 hardware changes to work properly:
>
> Remove TR3 from the PICkit 3.
> Remove R50 from the PICkit 3.