# Micro-controller replacement in the SRI Model 333 Data System

With the advent of the Windows7-64bit operating system in December 2009 it was found that the firmware in the Cypress micro-controller in the SRI Model 333 A/D board needed to be updated in order to function with the 64bit version of Windows&7 ( also 64bit Vista ).

**The 32 bit version of Windows7 was not affected and works fine without upgrading the micro-controller.**

The upgraded micro-controller is SRI part# 8600-1052 ( US$ 100 ).

Locate the micro-controller on the circuit board. The chip has the USB device ID number written on it.

The replacement chip will have a different number printed on it.
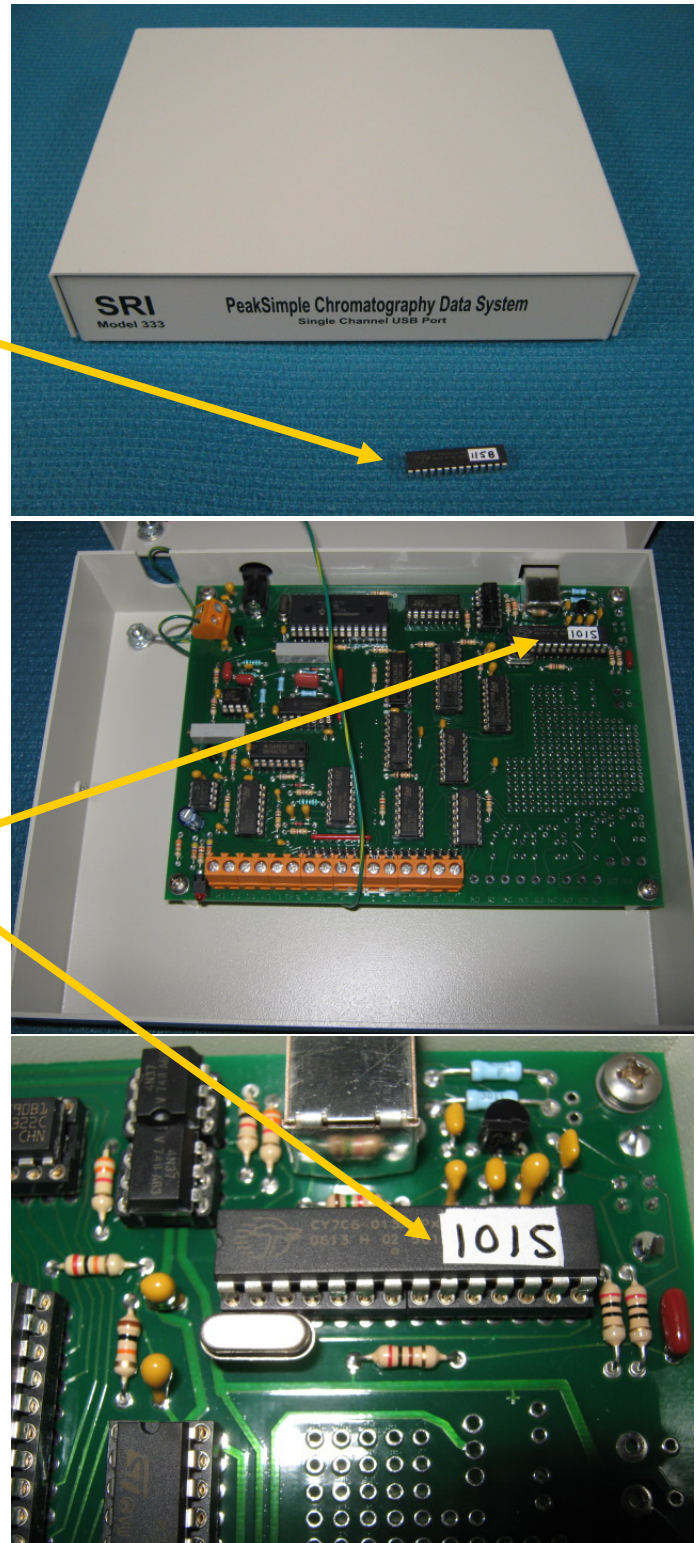
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Use a small blade screwdriver to lift ( wiggle ) the chip out of its socket.  Insert the screwdriver tip between the chip and the socket and gently lift.  Try not to bend the pins.

Notice that the chip has a little half circle on one end.

This end should be oriented to the left when the new chip is installed.

Wiggle/press the new chip into the socket being careful not to bend any of the pins.

Finally make a label with the new chip's device id# and attach it to the back of the chassis.

You will have to enter this number in the PeakSimple software's Edit/ Overall screen.
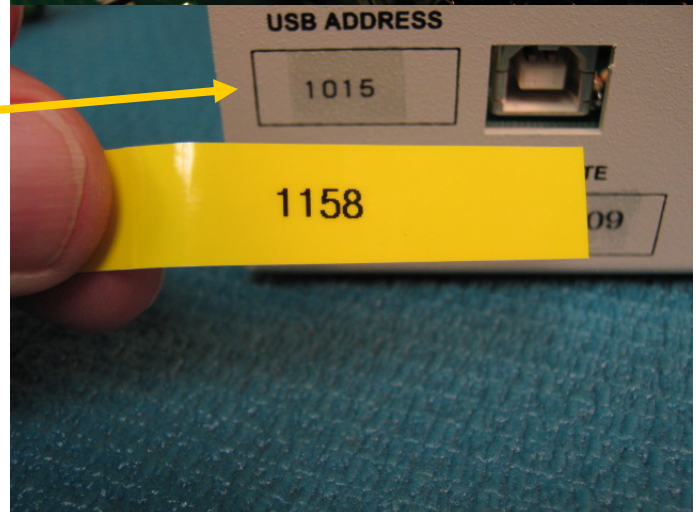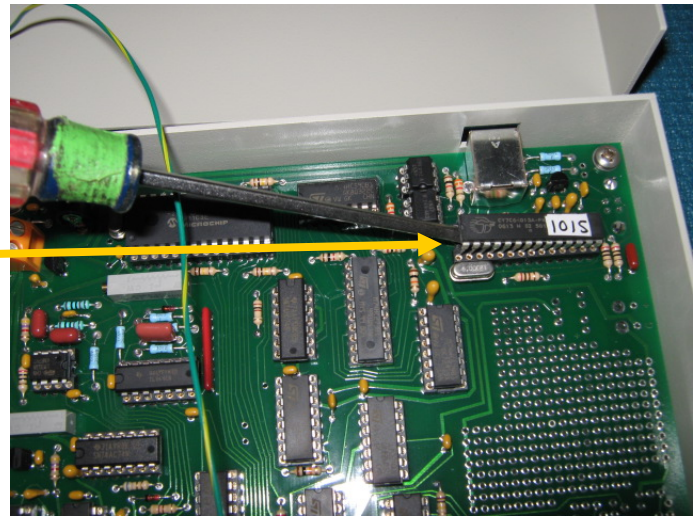
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If your Model 333 data system is installed in an SRI GC then you will need to gain access to the A/D board to replace the micro-controller chip.

**Unplug the GC's power cord.**

Remove the six screws holding the bottom cover on the GC. Then tilt the GC up on its back so you can see inside.

Use a 5/64th hex wrench to remove the four screws holding the A/D board in the GC.

Slide the A/D board out halfway so you can access the micro-controller chip. Replace the chip as described.

Four screws hold the A/D board