

How to run Libretto 110 at 300Mhz

First you need to overclock at 266Mhz setting the cpu multiplier at 4X.

To make this see the document at <http://www.fixup.net/> in **Cool Tips** section and **Overclock Libretto 100** make by Xin Feng

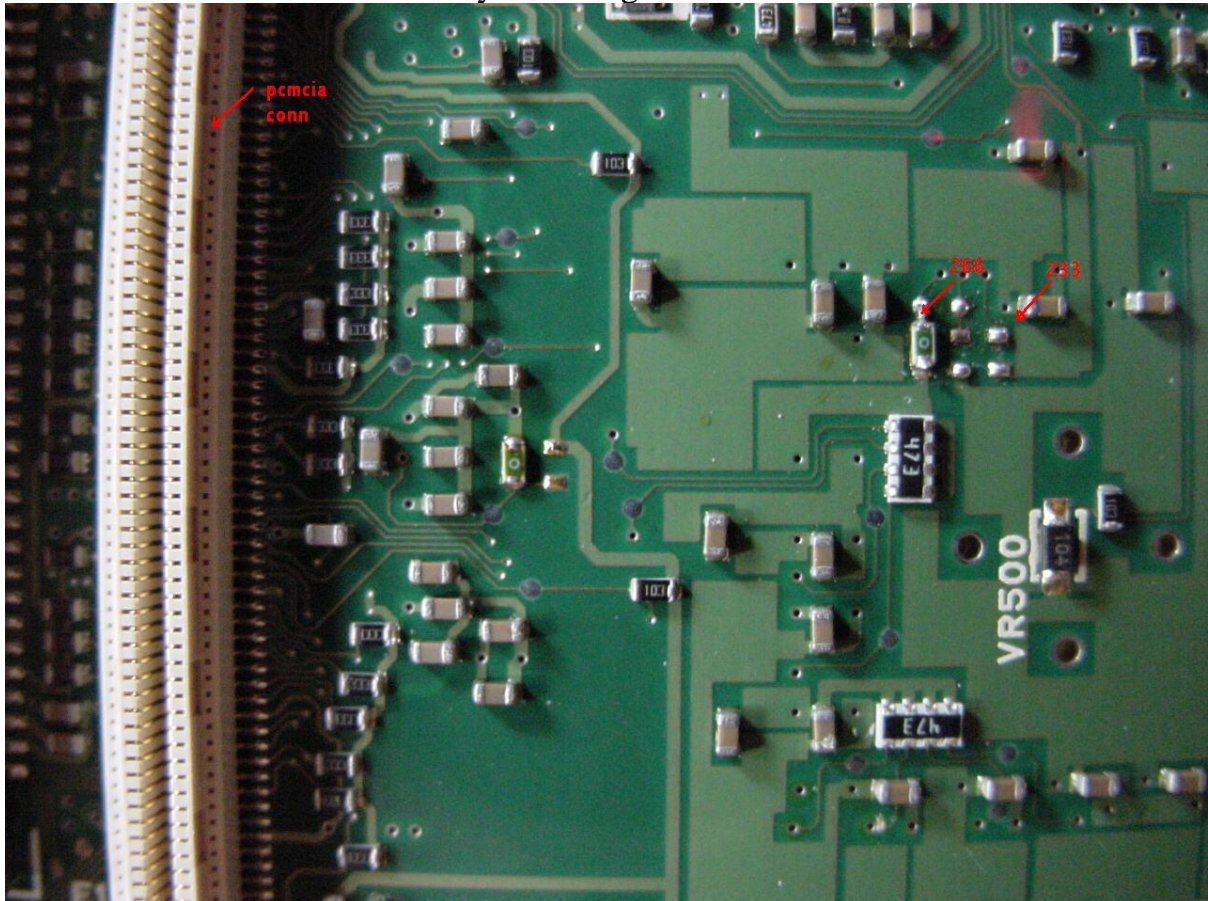


Fig 1: This is my motherboard set to 266.Originally the 0 Ohm resistor is set to 233 (On L110)

You need:

A little solder (5w recommended)

One Cutter

An magnifier Glass



1st locate the ic **CY2278**. This PLL generate the cpu clock, pci clock, floppy, usb and other.

This ic is located under the refrigerating plate and near to expansion ram socket..

2nd The **CY2278** have three pins that select the bus speed. In libretto is set to 66Mhz

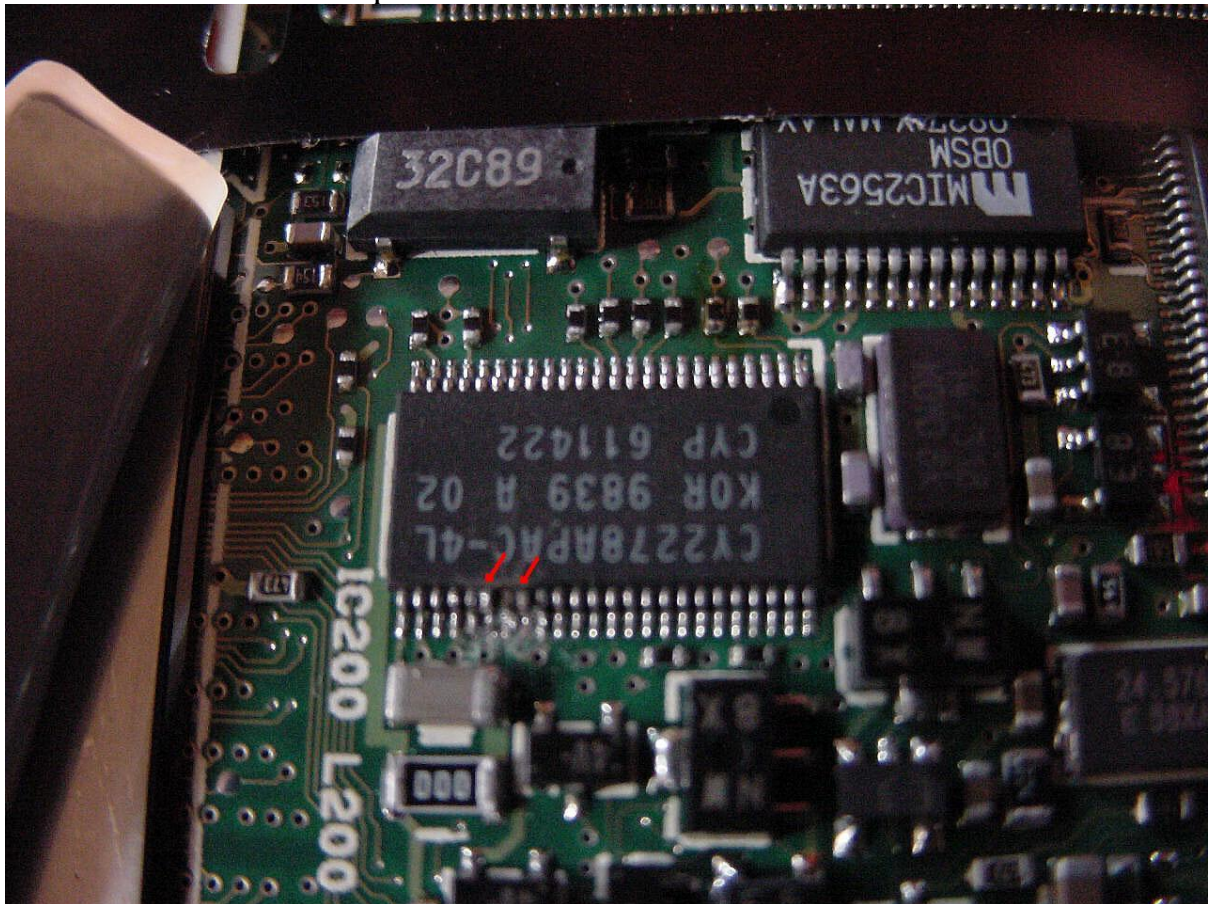
These pins are named Sel 0, 1 and 2. pins are **34, 32, 30** respectly.

The only pins to change are Sel 2 and Sel 1.

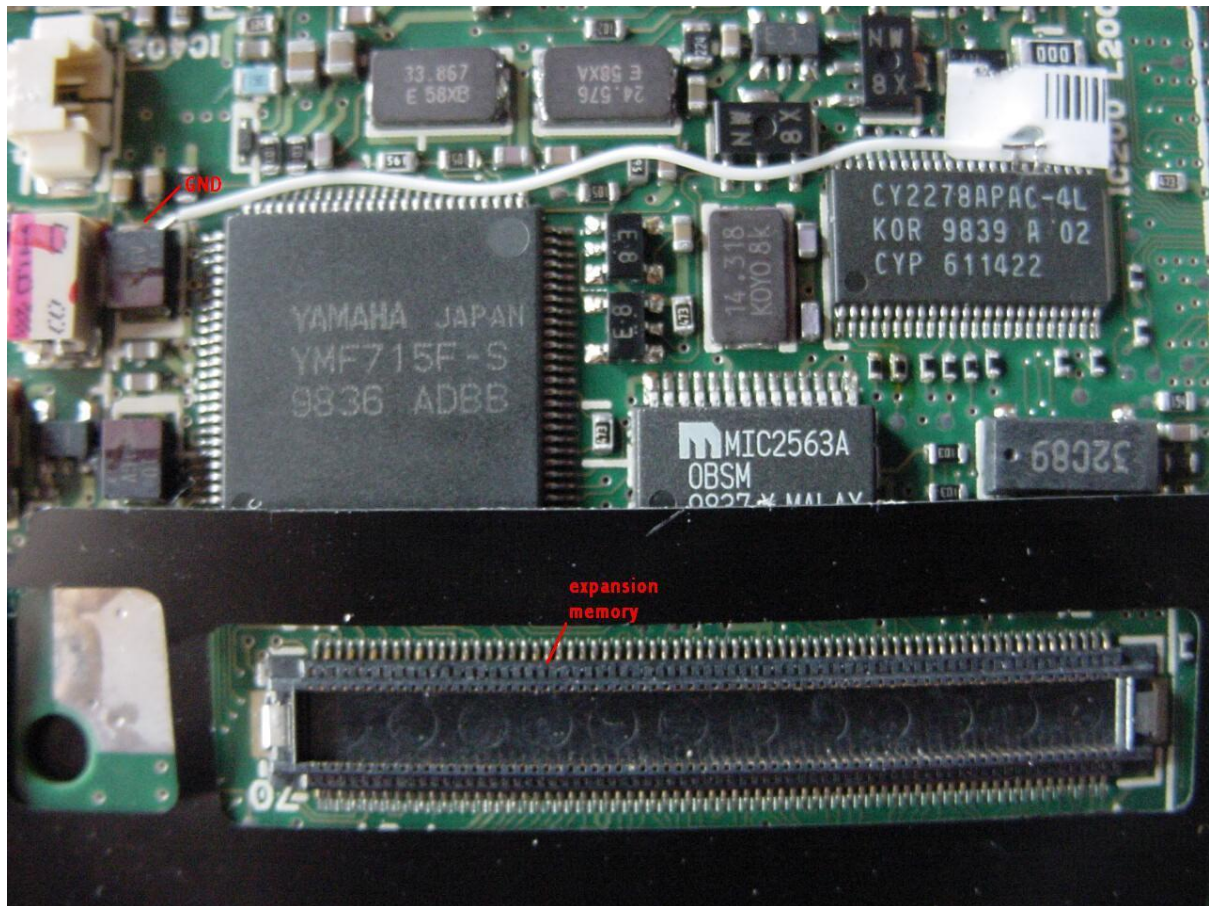
This procedure set pins at ground and the bus speed is setting at 75Mhz (X4=300Mhz)

- See datasheet PDF for pinouts

- 3rd Apply the solder to pin 30 and desold the pin with a cutter.
- Desold the pin 32.



Apply one paper or plastic to isolate pins.
And solder this two pins with one wire to Ground (GND).



This procedure is not for beginners.

It's at your own risk.

It's possible if you have problems that windows have register errors.
Backup your data before.

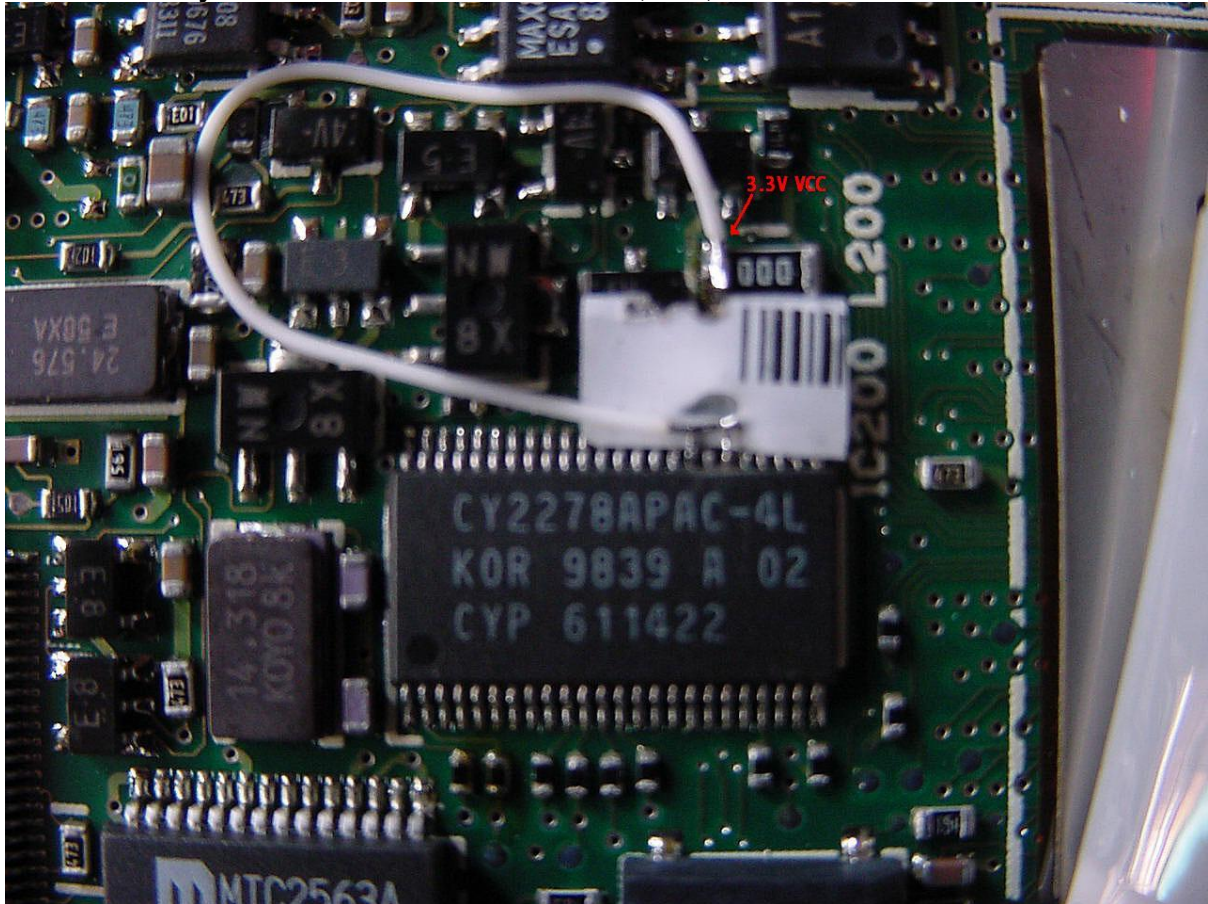
I don't know if it's possible to do in one Libretto 100!!

Created by Javier Ramirez (Javix at <http://www.fixup.net/>)

How to go back and set to 266 if you have problems

Procedure is very easy.

You need only return Sel1 and Sel2 to Vcc (3.3v)



Desold the wire from gnd and sold to 3.3v in one resistor near to the pll ic.