

If you tell Pncconf that you have a 5i23 (which it does know about) then you can edit the HAL and INI files and simply change all the "5i23" to "5i24".

You would need to choose a firmware that was similar for both boards, just to have the right type of HAL pins, but their physical arrangement on the daughter boards does not matter to LinuxCNC.

The 5i23 downloads a firmware on every boot. The 5i24 is flashed with the firmware to be used once when configuring. So you need to edit the "firmware=" out of the HAL file too.

If you just want to see the 5i24 work, though, it is very simple. Open a terminal and type the following:

```
halrun
loadrt hostmot2
loadrt hm2_pci
```

To find what HAL pins you have (copy and keep this output for future reference)

```
show pin
```

And, if you want to see some action from the card, this will turn in and off one of the board LEDs.

```
setp hm2_5i24.0.led.CR01 1
setp hm2_5i24.0.led.CR01 0
```

When you have finished your halcmd session

```
exit
```

The same will work for the 7i43, except that you would need "loadrt hm2_7i43" and need to provide a firmware and an EPP port address.

```
abel@Abel:~$ halrun
```

```
halcmd: loadrt hostmot2
```

```
halcmd: loart hm2_pci config=firmware=hm2/5i24/SV8_4.BIT num_encoder=4 num_pwmgens=4
```

```
<stdin>:2: Unknown command 'loart'
```

```
halcmd: loart hm2_pci config=firmware=hm2/5i24/SV8_4.BIT num_encoder=4 num_pwmgens=4
```

```
<stdin>:3: Unknown command 'loart'
```

```
halcmd: loadrt hm2_pci config="firmware=hm2/5i24/SV8_4.BIT num_encoder=4
num_pwmgens=4
```

```
<stdin>:4: unterminated quoted string
```

```
halcmd:
```