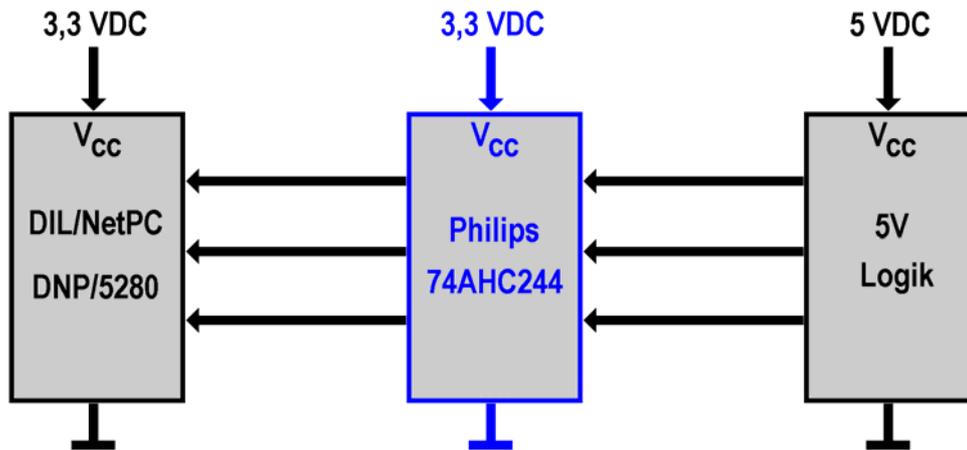# How to interface external 5 V Logic to the DNP/5280

The DIL/NetPC DNP/5280 works with a 3,3 VDC supply voltage. The input signals of this DIL/NetPC **are not** 5 V tolerant. If your design is using 5 V logic parts, please add external level shifters to the DIL/NetPC DNP/5280 inputs.

- **1. Step**: The following picture shows a solution. Add a 74AHC-family member between the outputs of a 5 V logic device and the 3,3 V inputs of your DNP/5280.

Figure 1: Philips 74AHC-Family IC works as Level Shifter

The supply voltage of a 74AHC-Family member can be within the range from 2.0 to 5.5 VDC. A valid input voltage is 0 to 5.5 VDC.

That's all.