

DOEPFER MUSIKELEKTRONIK GMBH

USB64 modification from V1.0/V1.2 to V1.3 or later

For V1.3 you need a little hardware modification.

That is because a free input pin of the processor is now used by the firmware to test and recognized, if a usb connector is attached to the board or not (so that it can activate it's usb drivers only if needed - which optimizes performance and usb arbitration) ...

This is done at the position where V1.0/V1.2 USB64 hardware has it's jumpers JP12/JP15.

A) Page 2

You can do something like a simulation you put the test pin with a jumper on the state of 'USB is on' – This is then the same situation as in the firmware versions before, because there was also something like a jumper in the software, which tells always - USB is on - whether it is or not ...

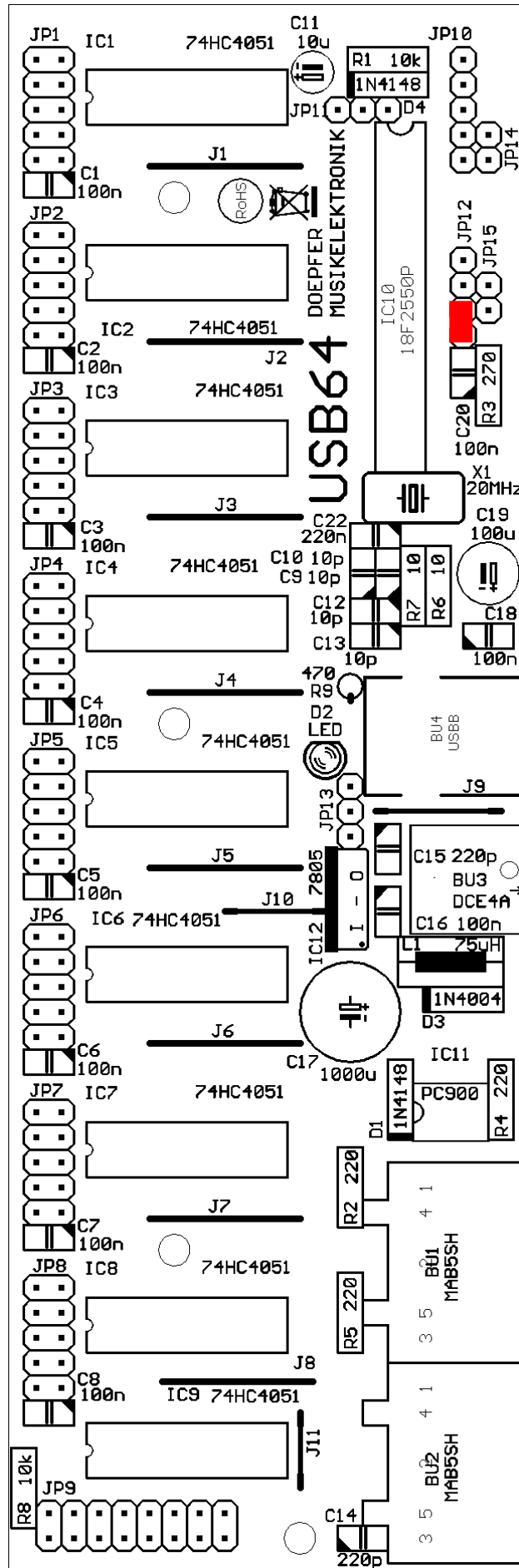
B) Page 3

Better solution is to modify the real recognition.

Here the level of the USB line is connected with the test pin of the processor. You need to make a connection and also you need to iron a 10K pullup resistor ...

Make only one modification - means A) or B) not both !!!

A)



B)

