

Dwarf Boards

DN005 : copy BUS_B to BUS_C in Jal on DB016

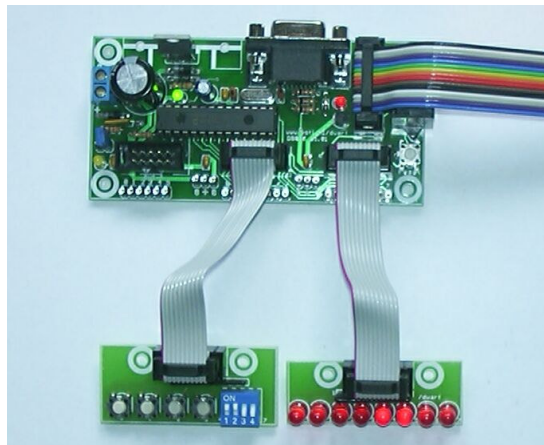
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version 1.0

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Introduction

This note shows how to copy the inputs on BUS_B to BUS_C.

note: pins 6 and 7 of BUS_B are used for in-circuit programming (ICSP). When either switch 3 or 4 is 'on' this will short one of these pins to ground, which will prevent ICSP.



Code

```
-- DN005.jal : read BUS_B, show on BUS_C
-- hardware: DB016 with DB012 on bus_b, DB010 on bus_c

include DB016_18F252_PLL_40

bus_b_digital
bus_c_digital

bus_b_direction = all_input
bus_c_direction = all_output

forever loop
    bus_c = bus_b
end loop
```

The first include is specific for the board, microcontroller and frequency used, it establishes among other things the I/O declarations that are used.

Next the two busses used are set to digital mode, and BUS_B is made input and BUS_C output.

The main loop just reads BUS_B and copies the value to BUS_C.

Change notes

the latest version of this document can be downloaded from <http://www.voti.nl/dwarf>

version	date	notes
1.0	2003-11-04	first version