Combi flasher/mbus by Dr.Bizar

Other Flasher's SUX - this one ROCKz

1)

First of all u will all have to excuse my poor eng skills I'm from Denmark. This is a combined flash and m2bus interface for nokia phones. I made this because i was f... tired of changing cables all the time...
The interface is kept as simple as possible, only using one IC and some perifer components. The scheme should be working fine, I tested it on 5 different Pc's. The switching between Mbus and Flash is done by software.

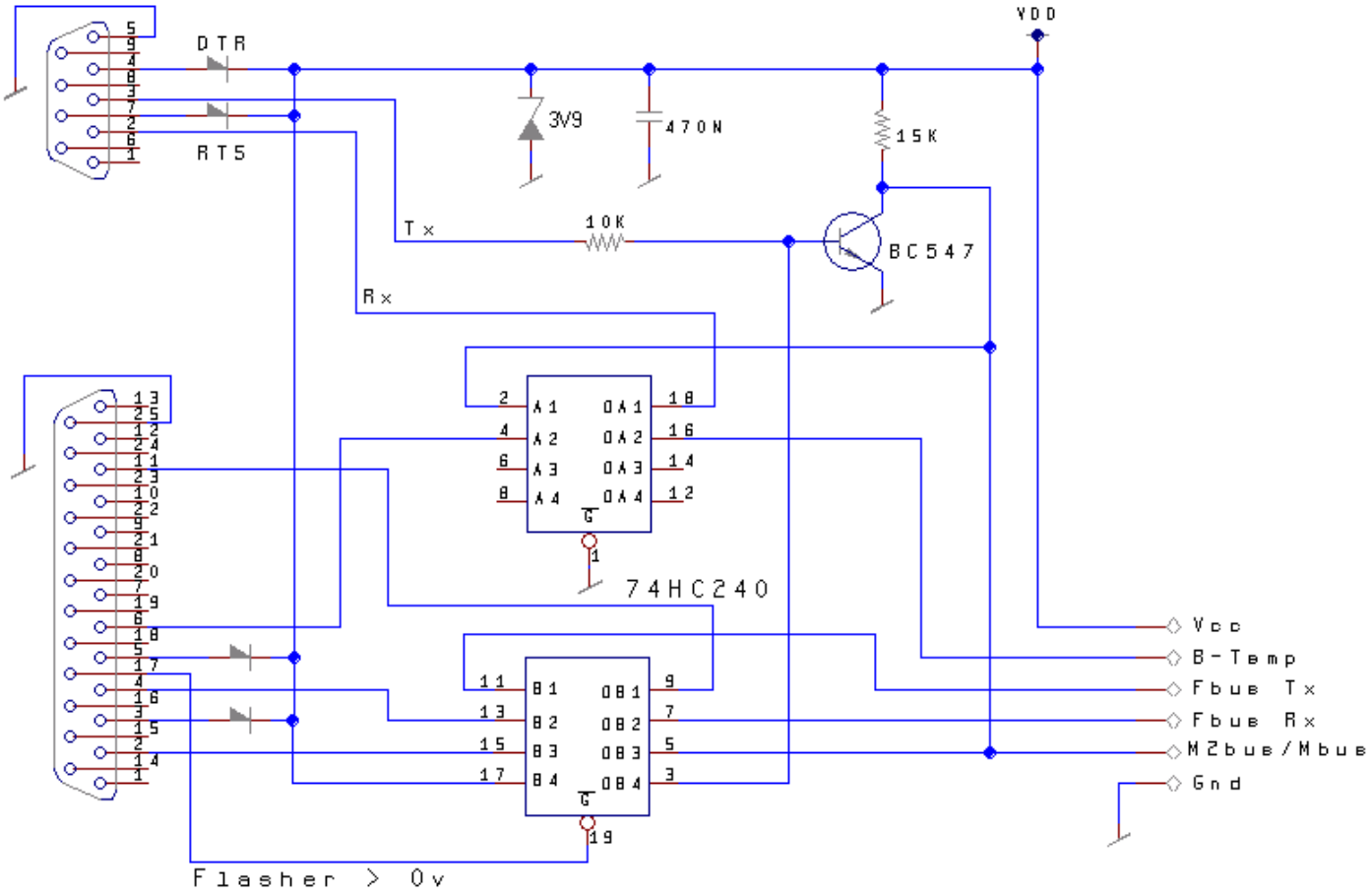
How it works: the interface is build around the dejan light interface, that basically consist of some hex inverting buffers. What i did was adding some logic control, and a mbus interface using a BC547 as driver, due to the RS232 standard that operates between -14V and +14V, Cmos just hates that.
- Yes I'm aware that some PC's com port only operate from 0->5V, but what if...

I'm not going in to more details about the scheme, but if u want some more specific details on the nokia fbus/mbus protocols mail me at: Bizar@c.dk

PLZ don't sell, or make money in any way on this scheme... It was mend to be freeware. All I want is some props and recognition for my work...

Regards Dr.Bizar (Kasper Pedersen)

2) Schematic



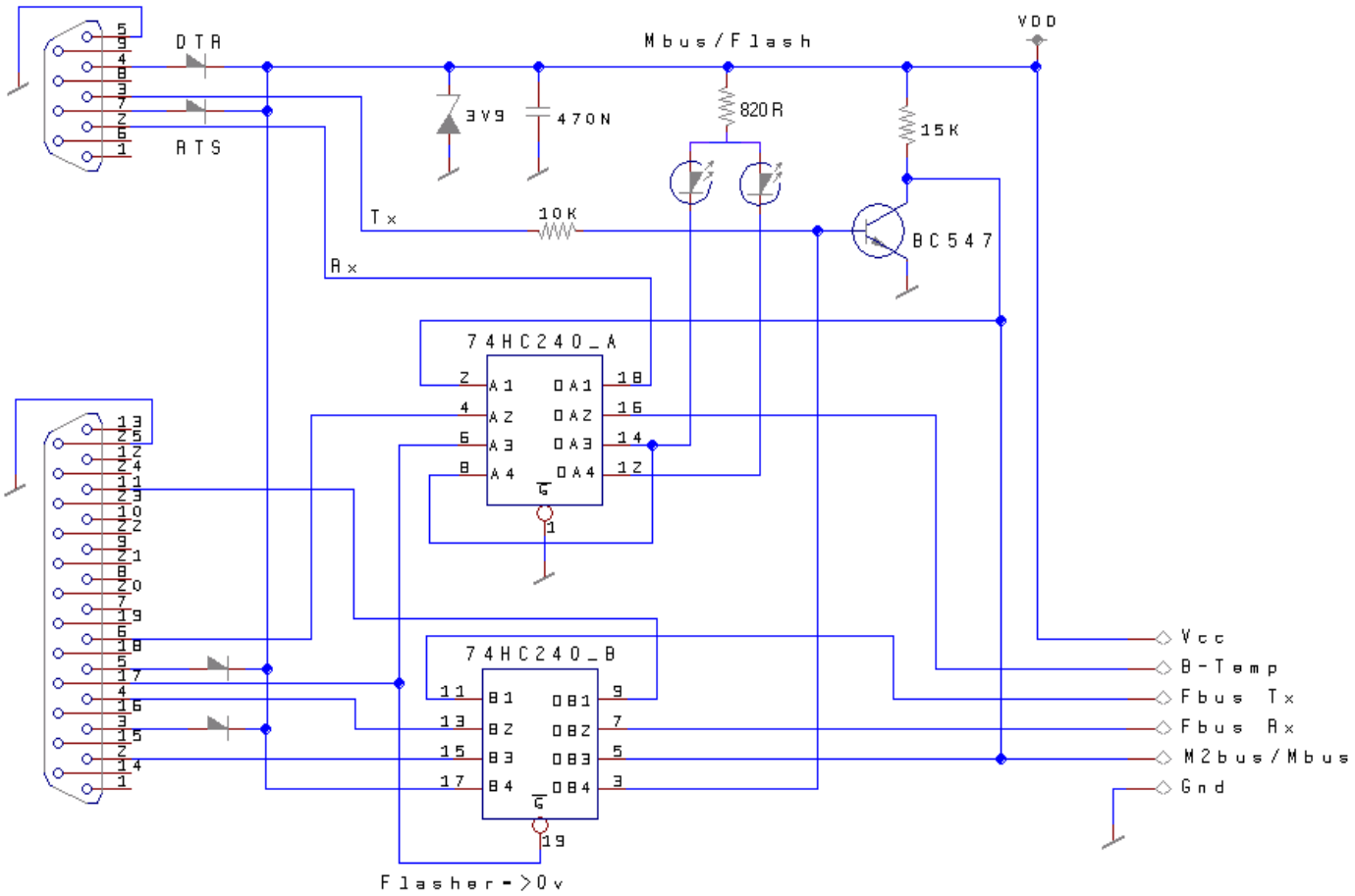
IMPORTANT !!!

Plz notice that the 74HC240 only is one IC, it's just drawn as two to make scheme less complicated.

Connect 74HC240's pin 10 -> Gnd and pin 20 -> Vdd
Diodes used: BAV103 / 4148 or similar.

If u want to use the interface with Jethro unlocking software shortcircuit pin 7 and pin12, on the sub25 (LPT) connetcor.

3) (Same as above but with LED indicators)



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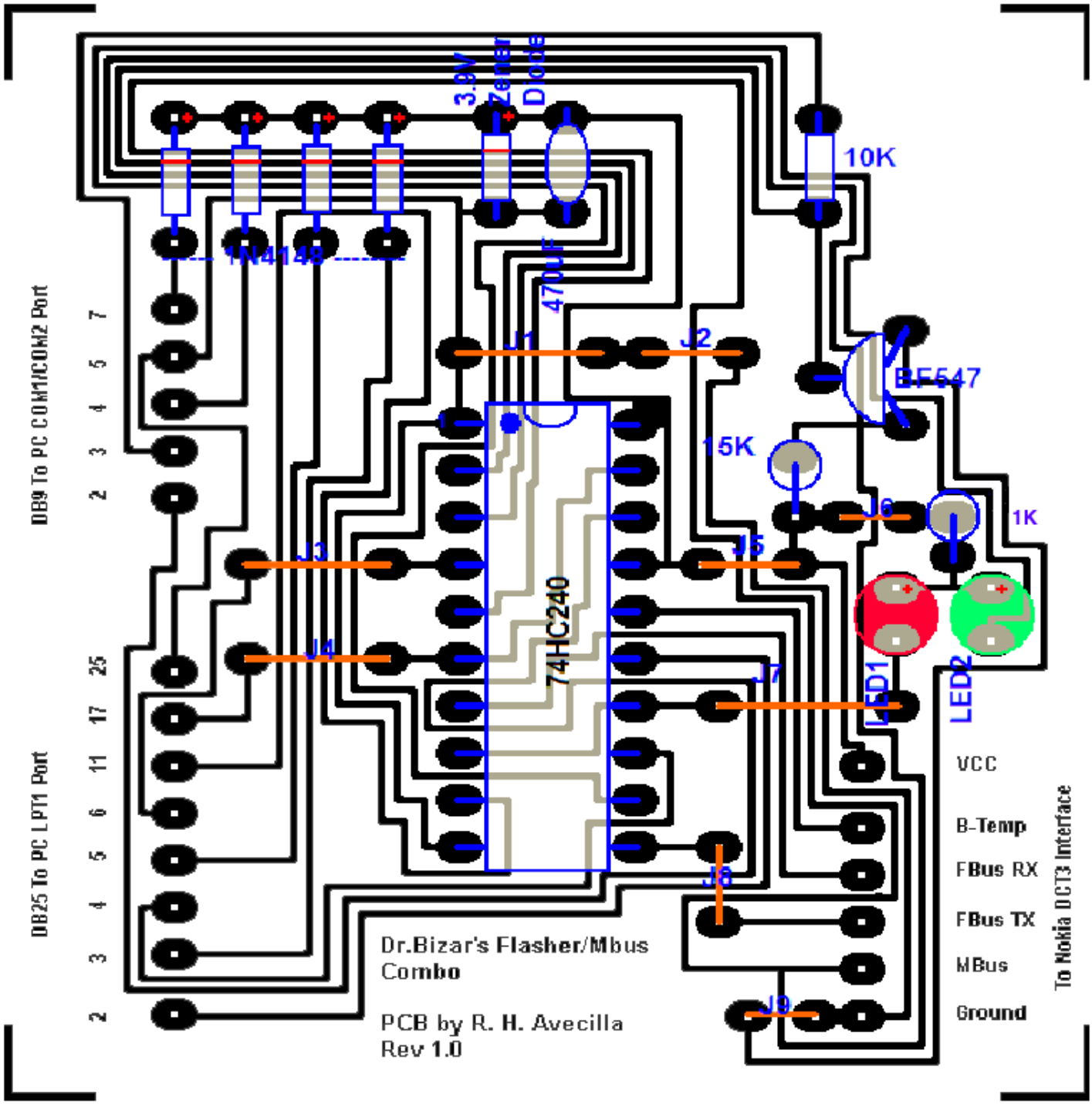
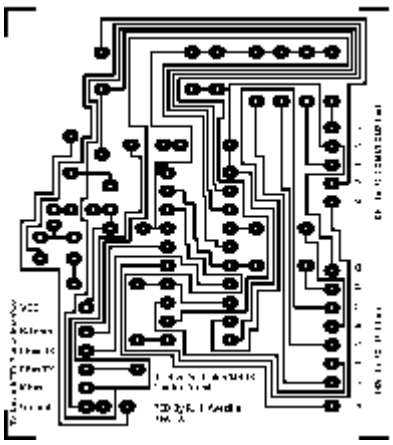
3) PCB. MANY THX TO ROLANDO !!! :)



5) Real size PCB



Once agian many thx to Rolando for making this PCB layout.
Just mount the components, and u should be up running.
Some people will always ask some questions so here are some answers:

1) The eg. J1 is just a brigde from one track to another...

2) If the leds don’t light up like little X-mas trees - change the orientation...
(rotate 90 degrees)

3) Yes it does matter how u turn the IC... place it as showed on page 4...

The rest should be straight forward...
If you don’t have access to any kind of PCB toolz just “bread bord” it...

4) Using the interface

Well I'm not gonna tell u the basics about mbus and flasher interfaces, i guess u all know, when to use mbus and when to use flash, - right ???
else TO BAD....

First of all select ECP/EPP protocol in ur bios, THIS IS IMPORTANT !
PLZ connect your flasher/mbus interface before turning on computer.
- Well I just had to say that, don't care what u do, just don't blame me

As mentioned before the device is controlled by software, but because I SUCK at programming I decided to use DEVMAN.EXE. Just launch and select interface... Don't press OK button just select....
(I've made a link to the .exe in the bottom of this site)

A lot of progs will init the device them self e.g nokiatoo18, and Rolis 4.77 flasher. BUT plz use devman.exe anyways, just in case.

If u experience any problems with this interface plz let me know...
Mail me at: Bizar@c.dk

Things not to do:

1) DON'T Write me if it's just your fat fingers, that fucked it up or something !
2) DON'T blame me if your phone goes "zzzzzzzhhhhhhgggg" and dies...
3) DON'T blame me if your house catches on fire.
4) DON'T blame me if your girlfriend leaves, and ur mamma hates u.
5) And finally, DON'T blame me if the world blows up tomorrow...

Regards Dr.Bizar

Link to: devman.exe