

MiniC868 – Getting Started

Setup






① **Connect Power Supply** (e.g. 9V battery)

↪ Yellow Power Led must turn on

② **Connect PC's UART-cable**

Run and Debug Programs

Option 1 : using **MiniDebugger GUI_V106** (windows based interface)




- ① RESET C868 by pressing , or disconnect power supply (if R20 is removed)
- ② Start MiniDebugger, Connect , Load  and Download  your HEX-File
- ③ Start Execution from SRAM , program should run at this point

using **Keil ISD51 and MiniDebugger CMDL_V103** (commandline interface)



ISD51software must be included in project and

serial link properly setup to 9600 bauds according to the 10.0MHz crystal (e.g. 0xEC Timer 1 Reload value)

Option 2 : with R20 (reset resistor)

- ① Start Downloading with MiniDebugger using Keil Load button , boot jumper should be in.
- ② Open Boot Jumper to start from SRAM when releasing RESET# (see note)
- ③ Start Debugger ISD51 , and use normal debug commands (step in, run, ...)
- ④ Reset C868 by using , continue with ①

Option 3 : without R20

- ① Disconnect and reconnect power supply , boot jumper should be in.
- ② Start Downloading with MiniDebugger using Keil Load button 
- ③ Start Debugger ISD51 , and use normal debug commands (step in, run, ...)
- ④ Continue with ①

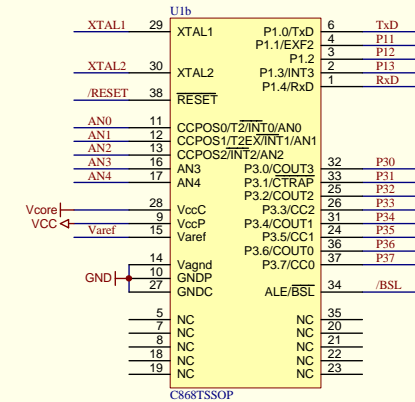
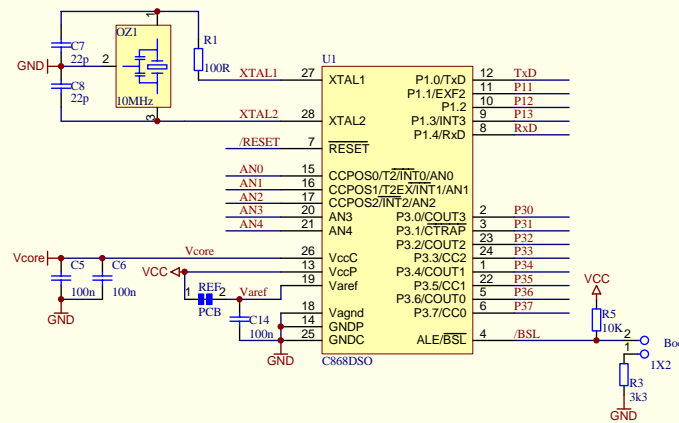
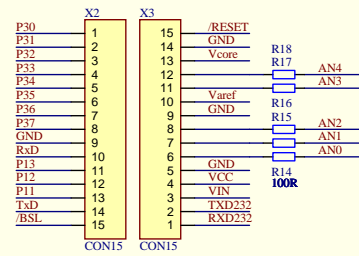
Note

Depending on PC-hardware and operating system, DTR signal might behave in a different way.

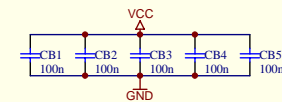
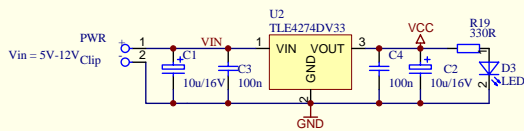
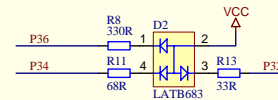
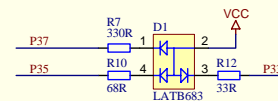
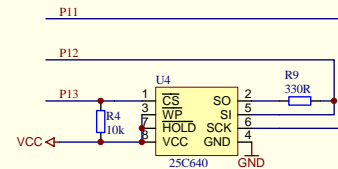
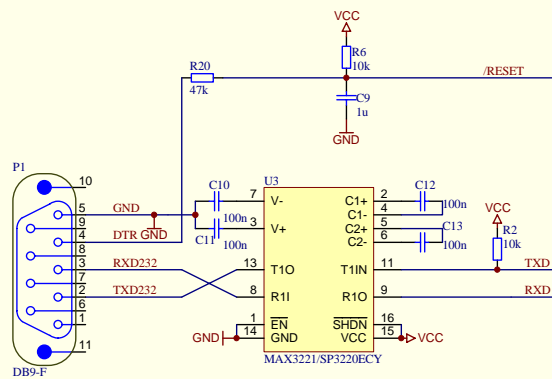
The „normal“ situation is following:

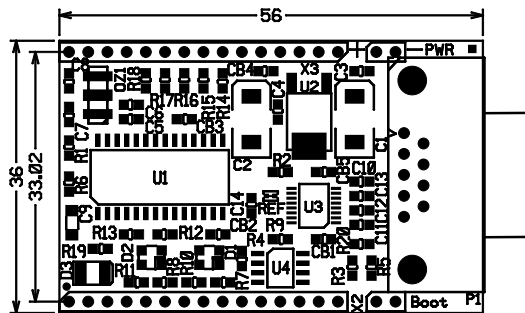
- **RS232 port closed:** DTR inactive (-12V) ⇒ RESET# active
- **RS232 port opened:** DTR active (+12V) ⇒ RESET# inactive
- **Optional:** DTR signal is in HIZ (high impedance state) when RS232 port is closed ⇒ RESET# inactive (due to pullup)

Never stop thinking

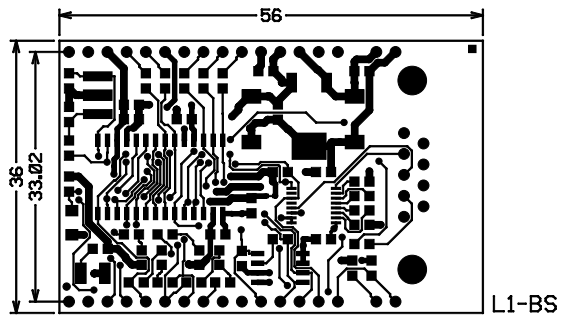


U1b optional on Bottom-Side

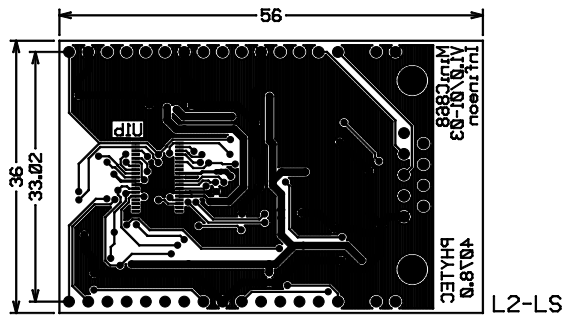




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