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

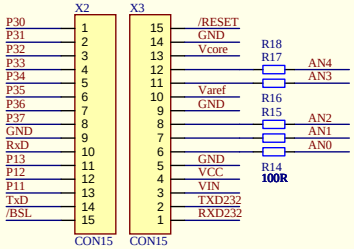
Note

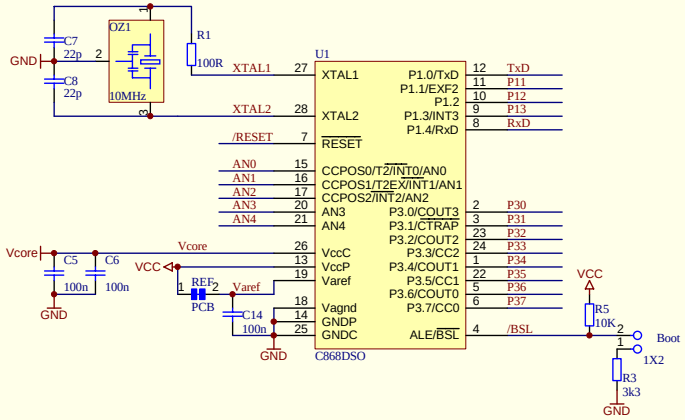
Depending on PC-hardware and operating system, DTR signal might behave in a different way.

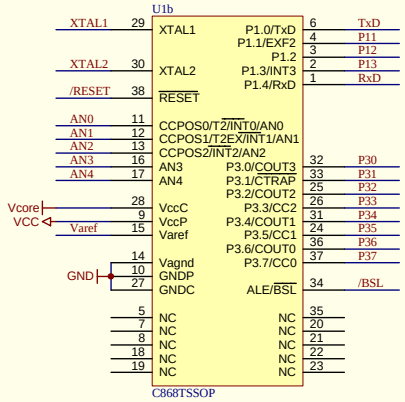
The „normal" situation is following:

- **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)

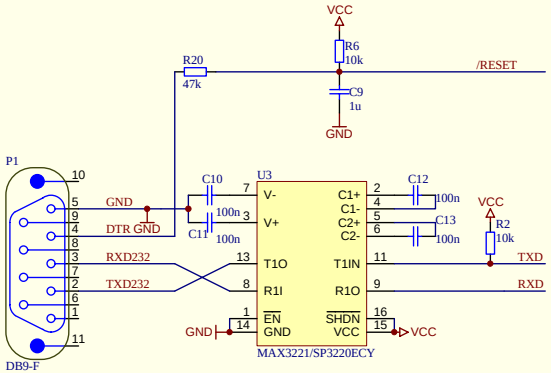
stop thinking Never

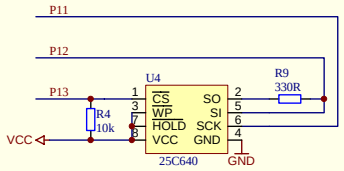


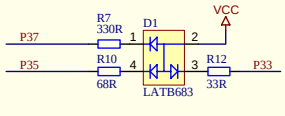


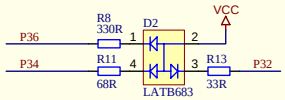


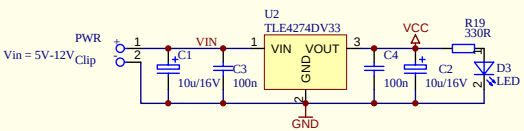
U1b optional on Bottom-Side

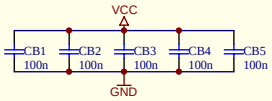




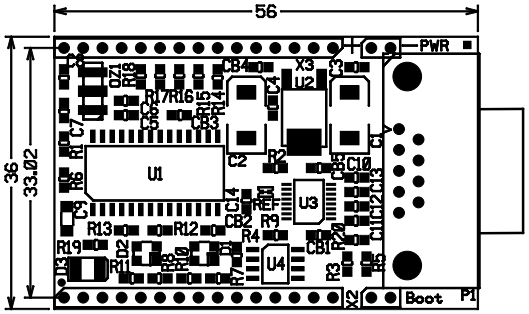






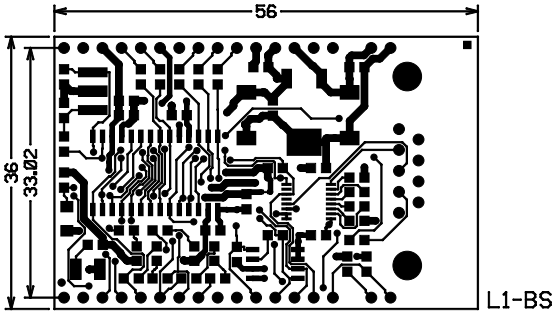


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Projekt:	KSP-0114 Infineon C868-Modul		Department: KSP Author: D. Heger
File:	C868.Sch		
10-Feb-2003 16:25:41	PCB-No.: 4078.0-002	Revision: 1.2	Sheet 1 of 1



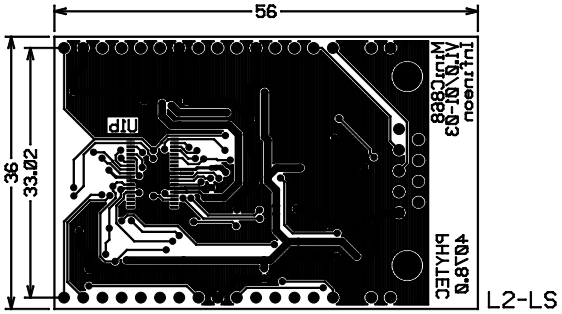
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