S32k3xx Debugging with lauterbach Open Discussion

- Helpdesk robot
- **Forum name:** #Debugging

Hi,
we are trying connect our nxp S32k328 cortex m7 mcu with luaterbech(LA-3500). But we don't know how to connect it and debugging, could anyone give any documents or guidelines to connect and debugging the nxp S32k3xx mcu with lauterbech

Comment (1)

Fatma Masmoudi
1 year ago

Hello Antony,

LA-3500 corresponds to PowerDebug USB 3. It is shipped with the corresponding power supply and USB cable. Make sure to attach the power supply to the voltage input port on the power debug module and the USB cable to your local PC.

With the PowerDebug module you should have either a debug cable or a combiprobe holding a license for Cortex M.

If you are using the evaluation board, S32K328 should be equipped with an ARM20 debug connector.

So, you can simply connect the debug cable (extended from the power debug module) to the target’s ARM20 connector.

Once this setup is properly powered, you can open TRACE32 on your local computer (connected to the power debug USB3) by selecting t32marm.

After you successfully open the TRACE32 instance it is now time to debug!

You can run our demo scripts under “C:\T32\demo\arm\hardware\s32k3\s32k328cvb-172maxqfp” and run the script that matches your preferences (flash, sram, onchip trace, ...).

You can find more details about how to setup and start debugging in:

- TRACE32 Installation Guide : hardware and software initiation
- Debugger Tutorial : TRACE32 general features and recommendations
- Cortex-M Debugger : CortexM specific debugging features and startup scripts.

For more information about the recommended setups for S32K328 you can visist this page: Debug & Trace Solutions for Chip S32K328| Lauterbach

Finally, once you provide more information about the Lauterbach hardware that you own and your use-case, we can guide you through the desired setup.

Best regards,

Engineer

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