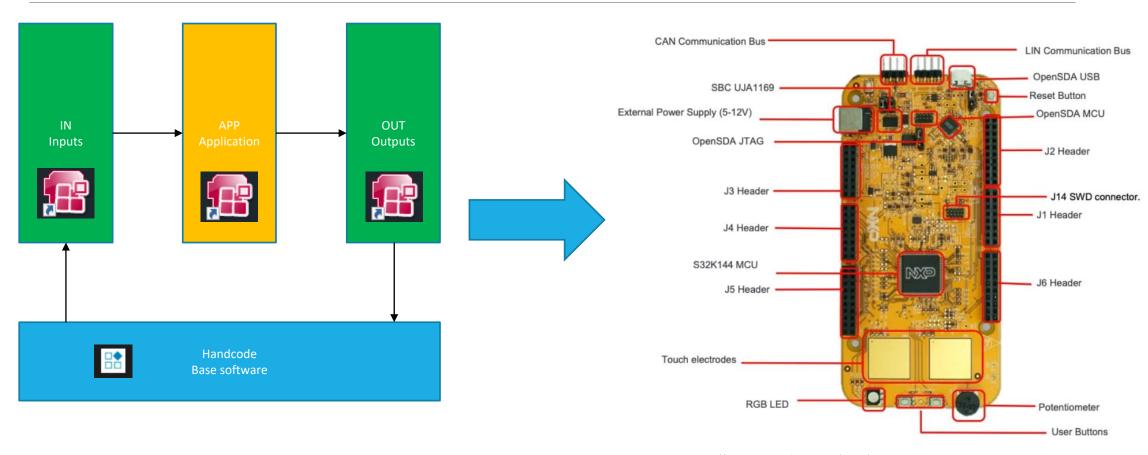


NXP S32K144EVB Example Project ETAS ASCET into Arm Development Studio IDE



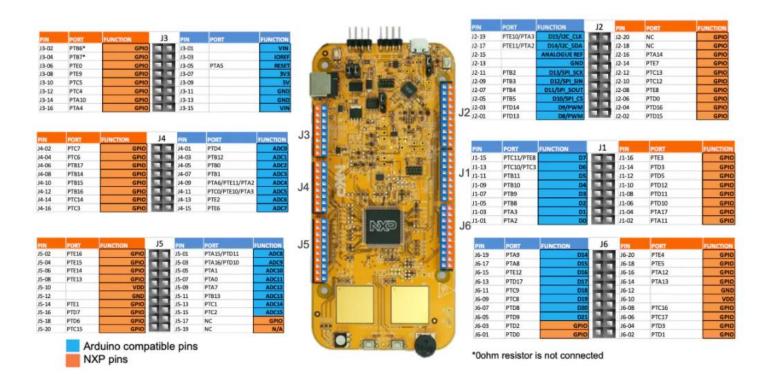
High Level Overview



 $https://www.nxp.com_/document/guide/get-started-with-the-s32k144evb:NGS-S32K144EVB$



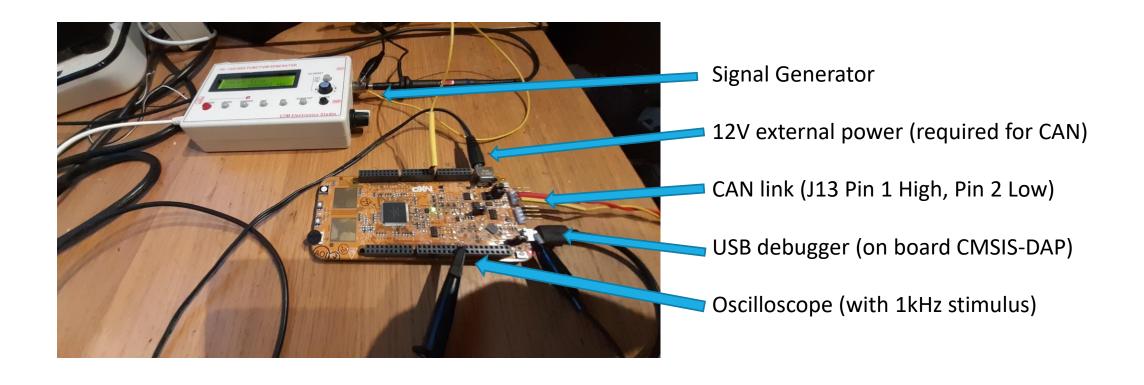
S32K144EVB - Pinout



https://www.nxp.com/document/guide/get-started-with-the-s32k144evb:NGS-S32K144EVB



Bench Test - Layout





Procedure – Arm DS IDE/EVB

- 1. Unzip the project into a suitable empty directory
- 2. Open the Arm Development Studio IDE, and point to the S32K144_ArmIDE_ASCET workspace. This should show two projects as shown below.
- 3. Reflash EVB Debug processor to CMSIS-DAP as described here on page 8: https://www.keil.com/appnotes/files/apnt_299_v1.2.pdf
- 4. Connect the USB cable from your PC to the board.
- 5. Move jumper J107 to connect pins 1 and 2 (instead of 2 and 3)
- 6. Provide a 12V supply on the IN 12V socket
- 7. Clean and build the S32K144EVB_ARM project
- 8. Debug the project using the settings given



Procedure – ASCET

- 1. Unzip the project into a suitable empty directory
- 2. Open the ASCET DEVELOPER IDE, and point to the ASCET directory as a workspace.
- 3. Under Window..Preferences..ESDL..Code Generation, change 'Default Representation Name' to EVB
- 4. Under Run...Run Configurations, change the folder shown to match the project in your Arm DS IDE
- 5. Click 'Apply'
- 6. Click 'Run'

The code will now be autogenerated into your Arm DS IDE project, within the ./src folder

