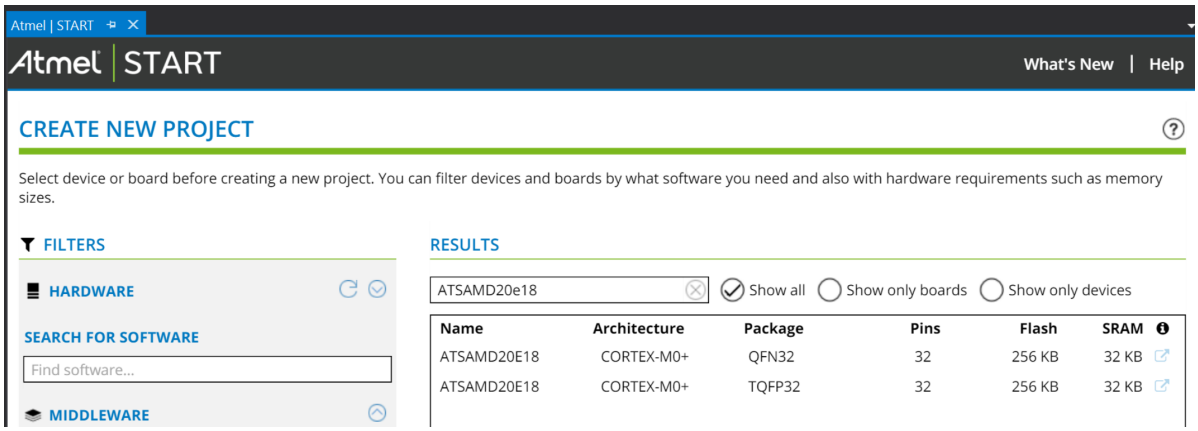
Configure JesFs for SAMD20

Summary

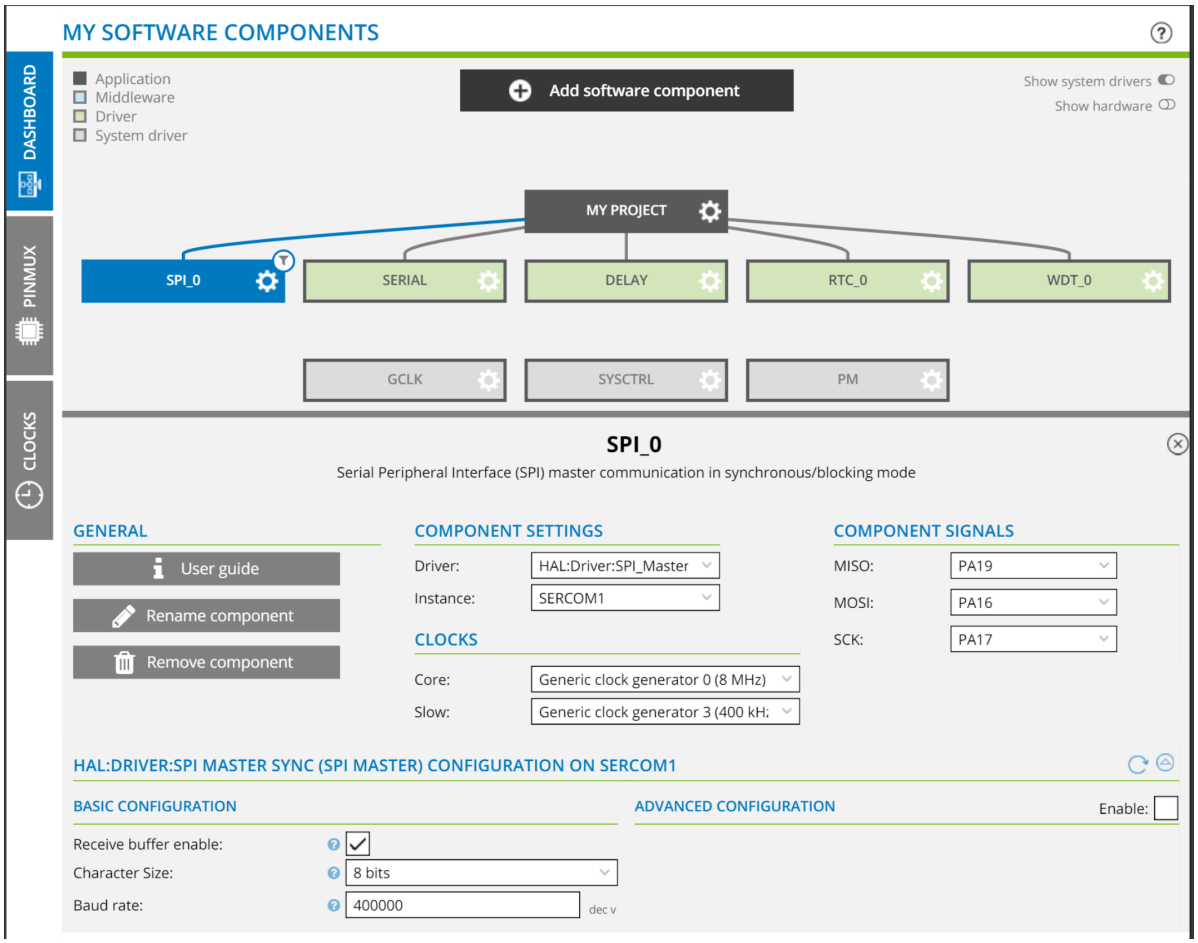
This document is meant to help users configure an Atmel Start project for use with the open source JesFs demo project.

Configure Atmel Start

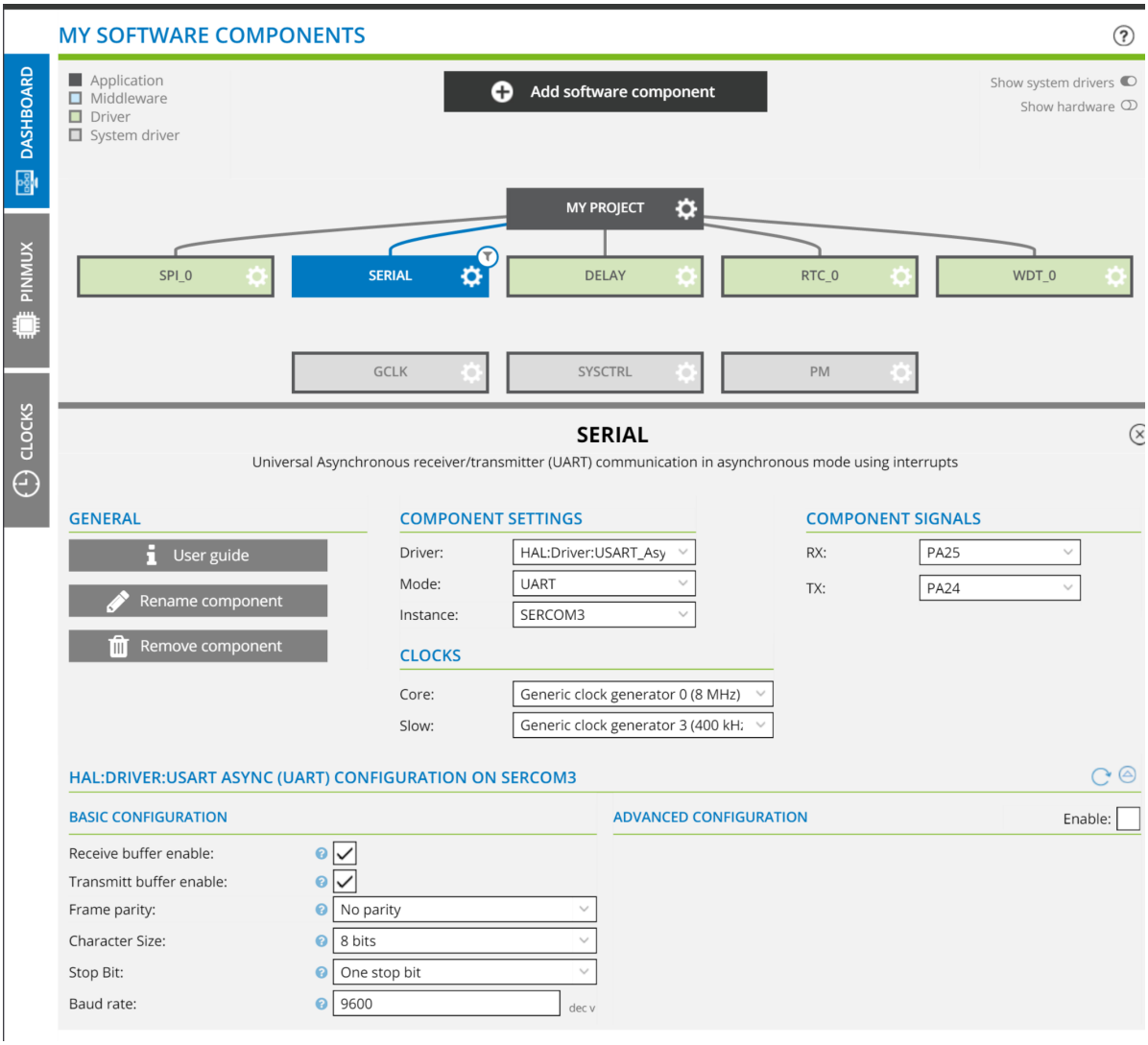
1. Create a new Atmel Start project in Microchip Studio (I am using v7.0 at the time of this writing)
2. Select the SAMD20E18 as the processor, or select whatever processor you are using (you may need to edit some files if you are using a different processor).



3. Then configure the SPI peripheral as following (your pin layout will be different as I am using a custom PCB)



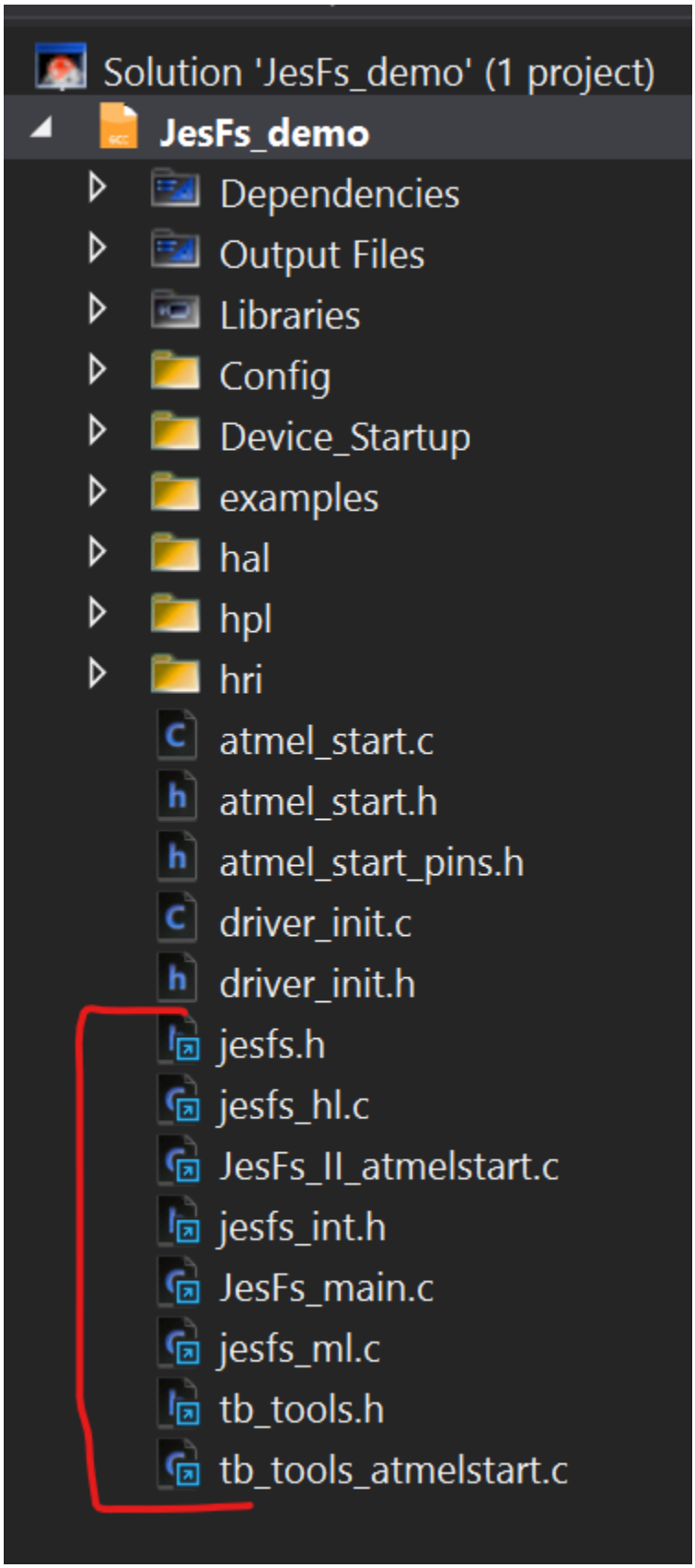
4. Then configure the serial peripheral as following (again your pin layout will be different as I am using a custom PCB).



5. Click the `Generate Project` button to generate the HAL code for the project.

Adding JesFs to the Project

1. Right click the project and select `Add Existing Items`
2. Navigate to the JesFs files and add the following files to the project as links. You will need to add the JesFs directory to the list of search directories for the project to compile properly


Solution 'JesFs_demo' (1 project)
JesFs_demo
Dependencies
Output Files
Libraries
Config
Device_Startup
examples
hal
hpl
hri
atmel_start.c
atmel_start.h
atmel_start_pins.h
driver_init.c
driver_init.h
jesfs.h
jesfs_hl.c
JesFs_ll_atmelstart.c
jesfs_int.h
JesFs_main.c
jesfs_ml.c
tb_tools.h
tb_tools_atmelstart.c

3. Define `SAMD20` in the project settings