

## Steps to configure SDK examples for Armature Board

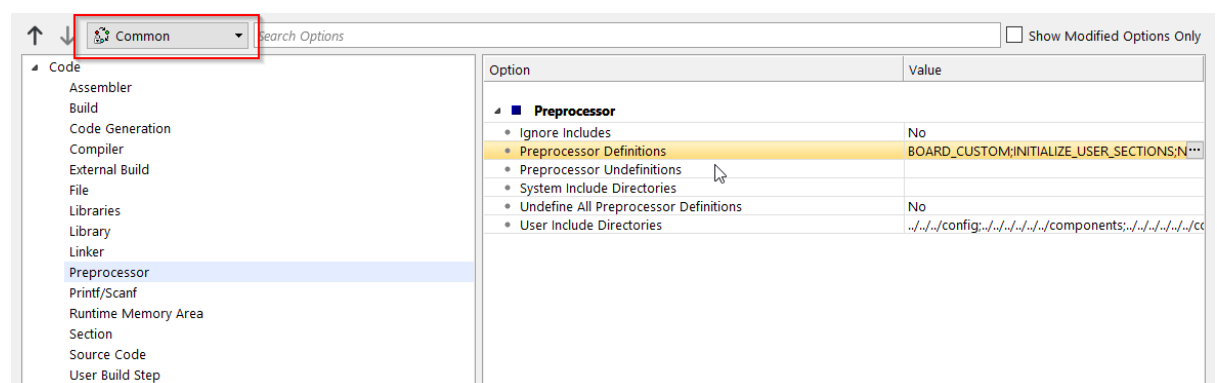
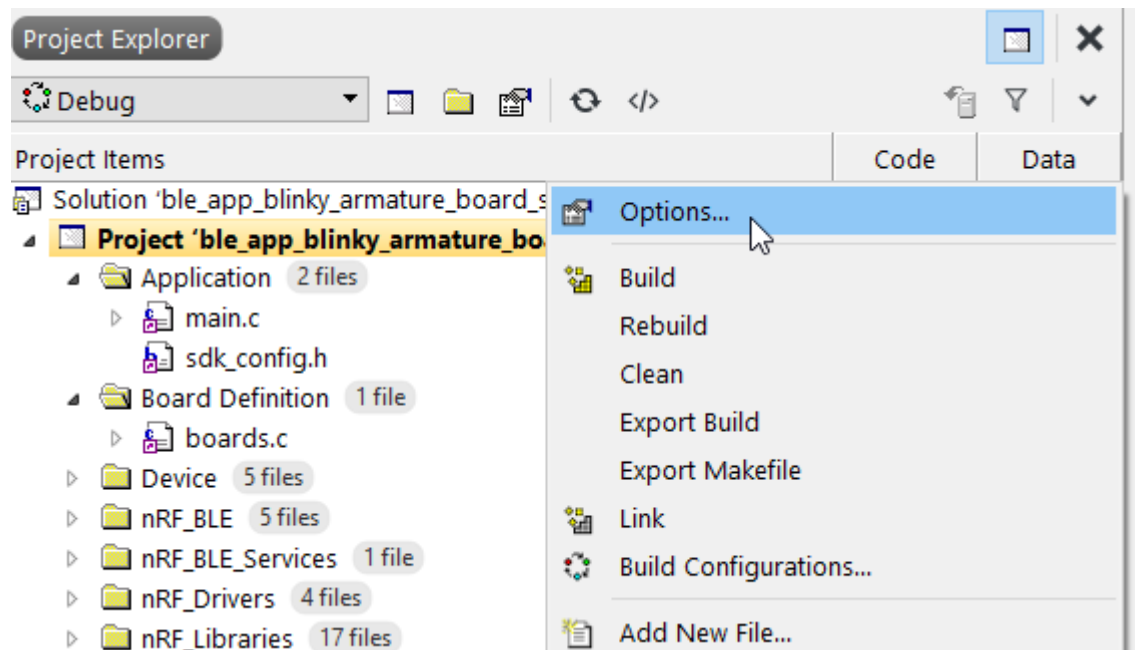
These steps refer to Segger Embedded Studio.

### 1. Example selection

After an example has been copied into a user directory in the /examples folder of the SDK, the "pca10040" folder should be duplicated and renamed. Use the .emproject file in the /s132/ses folder.

### 2. Preprocessor definitions

Follow clicks below for to get to the preprocessor definitions



## Set Preprocessor Definitions

Project: ble\_app\_blinky\_armature\_board\_s132

Configuration: Common

Preprocessor Definitions:

```
BOARD_CUSTOM
INITIALIZE_USER_SECTIONS }
NO_VTOR_CONFIG
NRF52810_XXAA
NRF_SD_BLE_API_VERSION=5 }
S132
SOFTDEVICE_PRESENT
SWI_DISABLED
```

Unchanged from example

Macros:

### 3. Linker options

#### Section Placement macros

The screenshot shows the 'Project 'ble\_app\_blinky\_armature\_board\_s132' Options' dialog with the 'Linker' section selected. The 'Section Placement Macros' sub-section is expanded, showing a list of options and their values. A red arrow points to the 'Section Placement Macros' option, which is set to 'flash\_placement.xml' (modified). The 'Section Placement Macros' dialog is also open, showing the 'Section Placement Macros' section with the following values: FLASH\_PH\_START=0x0, FLASH\_PH\_SIZE=0x3000, RAM\_PH\_START=0x20000000, RAM\_PH\_SIZE=0x6000, FLASH\_START=0x23000, FLASH\_SIZE=0x23000, RAM\_START=0x20002180, and RAM\_SIZE=0x4d80. A red arrow points to the 'Section Placement Macros' section in the dialog, which is set to 'Unchanged from example'.

Option	Value
Executable File Name	\$(OutDir)/\$(ProjectName)\$\$(EXE)
Additional Input Files	
Link Dependent Projects	No
Use Manual Linker Script	No
Section Placement File	flash_placement.xml (modified)
Section Placement Macros	FLASH_PH_START=0x0;FLASH_PH_SIZE=0x3000;...
Default Fill Pattern	None
DebugIO Implementation	Default
Additional Output Format	hex (modified)
Additional Output File Gap Fill Value	None
Generate Map File	Yes
Entry Point	Reset_Handler (modified)
Linker Symbol Definitions	
Keep Symbols	No
Strip Debug Information	No
Strip Symbols	No
No Enum Size Warning	No
No Wide Char Size Warning	No
Suppress Warning on Mismatch	No

Section Placement Macros

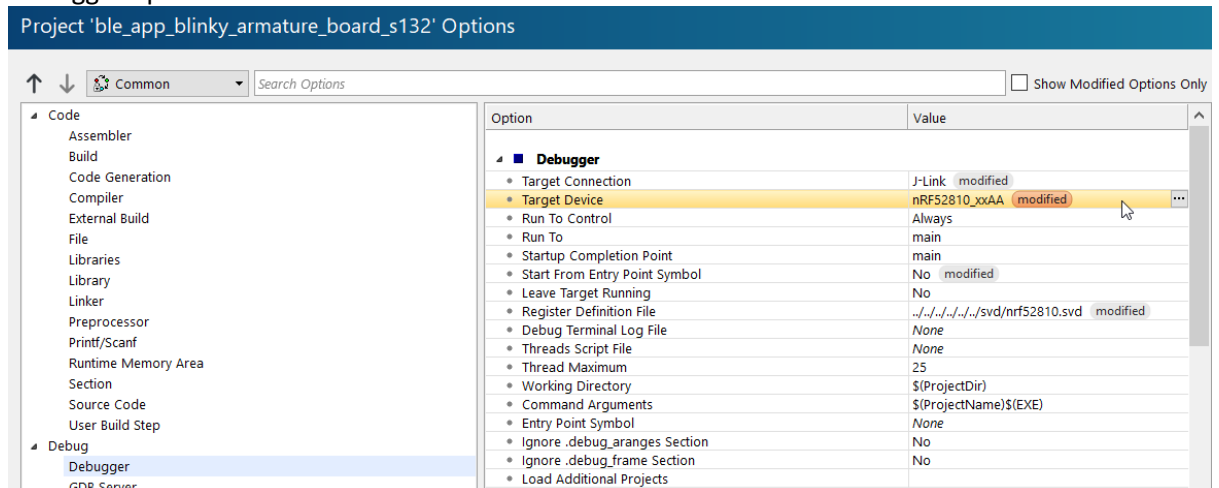
Macro values to substitute in section placement nodes - MACRO1=value1;MACRO2=value2.

### 4. Build options

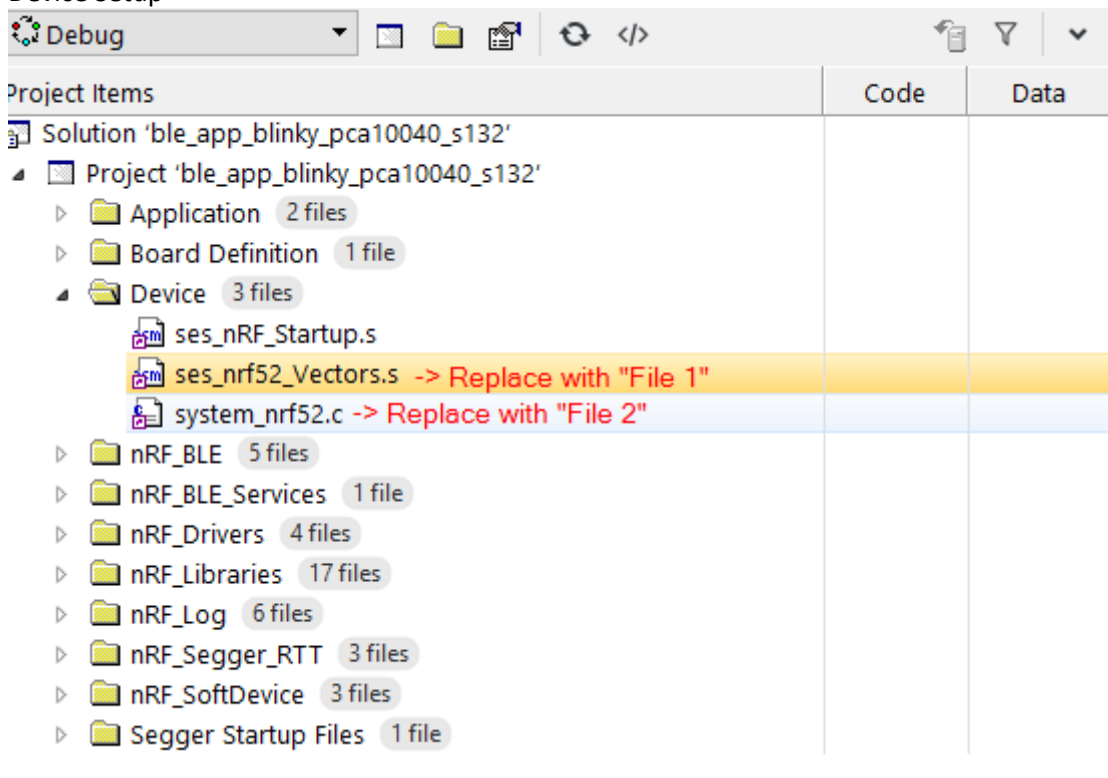
The screenshot shows the 'Project 'ble\_app\_blinky\_armature\_board\_s132' Options' dialog with the 'Code Generation' section selected. The 'Code Generation' sub-section is expanded, showing a list of options and their values. A red arrow points to the 'Code Generation' section, which is set to 'Unchanged from example'.

Option	Value
ARM Architecture	v7EM (modified)
ARM Core Type	Cortex-M4 (modified)
ARM FP ABI Type	None (modified)
ARM FPU Type	Soft
Byte Order	SoftFP
Debugging Level	Hard
Dwarf Version	None
Emit Assembler CFI	No
Enable Exception Support	No
Enable RTTI Support	No
Enumeration Size	Minimal Container Size
Instrument Functions	No
Keep Link Time Optimization Intermediate Files	No
Link Time Optimization	No

## 5. Debugger options



## 6. Device Setup



File 1: (SDK)/components/toolchain/ses/ses\_nrf52810\_Vectors.s

File 2: (SDK)/components/toolchain/system\_nrf52810.c