

## Create S32DS Project from Example

Project directory with the similar name already exists in file system: C:\Users\Anjali\workspace\S32DS.3.5\Port\_Example\_S32K358\exp\Siul2\_Port\_Ip\_Example\_S32K358

Project name:

Enter search text...

Examples:

- Flash Tool Example Projects
- S32K3XX AUTOSAR 4.4 - R21-11 RTD 3.0.0 D2303 Example Projects
  - Adc Examples
  - Can\_43\_FLEXCAN Examples
  - Crc Examples
  - Crypto Examples
  - Dio Examples
  - Eth\_43\_GMAC Examples
  - Fee Examples
  - Gpt Examples
  - I2c Examples
  - I2s Examples
  - Icu Examples
  - Lin\_43\_LPUART\_FLEXIO Examples
  - Mcl Examples
  - Mcu Examples
  - Mem\_43\_Eep Examples
  - Mem\_43\_ExFis Examples
  - Mem\_43\_InFis Examples
  - MemAcc Examples
  - Ocu Examples
  - Platform Examples
  - Port Examples
    - Port\_Example\_S32K344
    - Siul2\_Port\_Ip\_Example\_S32K344
    - Port\_Example\_S32K358
    - Siul2\_Port\_Ip\_Example\_S32K358**
  - Pwm Examples
  - Rm Examples
  - Sent Examples
  - Spi Examples
  - Uart Examples
  - Wdg Examples
- User Examples

Description:

- Example Description
  - PIN - toggpin using Siul2\_Dio\_Ip driver and configure other pins using Siul2\_Port\_Ip driver (Pins tool)
  - 1.1 The application software functionality
    - PIN control with write channel
- Installation steps
  - Hardware installation
    - 2.1.1 Supported boards
      - XS32K3X8CVB-Q289
    - 2.1.2 Connections
      - The level of PTA0 shall be flipped.
    - 2.1.3 Debugger
      - The debugger must be connected to J205 20-pin JTAG Cortex Debug connector.
  - Software installation
    - 2.2.1 Importing the S32 Design Studio project
      - After opening S32 Design Studio, go to "File -> New -> S32DS Project From Example" and select this example. Then click on "Finish".
      - The project should now be copied into your current workspace.
- Generating, building and running the example application
  - 3.1 Generating the S32 configuration
    - Before running the example a configuration needs to be generated. First go to Project Explorer View in S32 DS and select the current project. Select the "S32 Configuration Tool" menu then click on the desired configuration tool (Pins, Cocks, Peripherals etc...). Clicking on any one of those will generate all the components. Make the desired changes (if any) then click on the "S32 Configuration Tool->Update Code" button.
  - 3.2 Compiling the application
    - Select the configuration to be built: FLASH (Debug\_FLASH) by left clicking on the downward arrow corresponding to the build button in eclipse.
    - Use Project > Build to build the project.
    - Wait for the build action to be completed before continuing to the next step. Check the compiler console for error messages; upon completion, the \*.elf binary file should be created.
  - 3.3 Running the application on the board
    - Go to Run and select Debug Configurations. There will be a debug configuration for this project:

Configuration Name	Description
Siul2_Port_Ip_Example_S32K358_Debug_FLASH_PNE	Debug the FLASH configuration using PEmicro probe

Select the desired debug configuration and click on Launch. Now the perspective will change to the Debug Perspective.  
Use the controls to control the program flow.