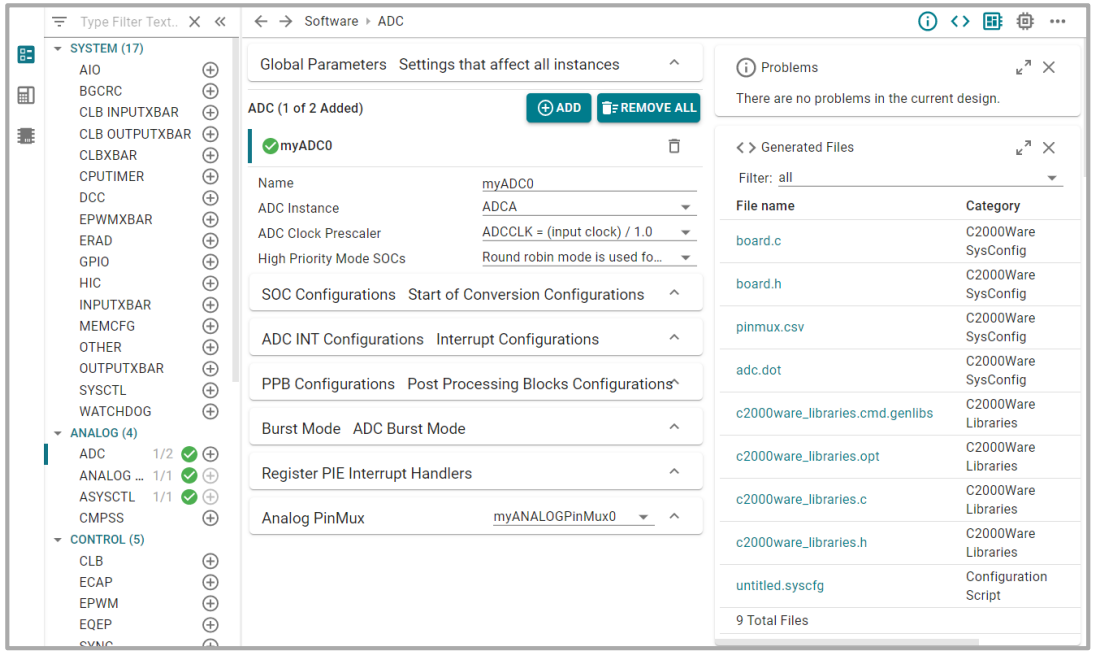
C2000 SysConfig Overview

GUI-Based Configuration Tool for C2000 MCUs

Introduction to Developing Software with SysConfig

SysConfig Enhances Software Development

- SysConfig is a GUI-based development tool that assists users in developing applications with C2000 devices



SysConfig Enhances Software Development

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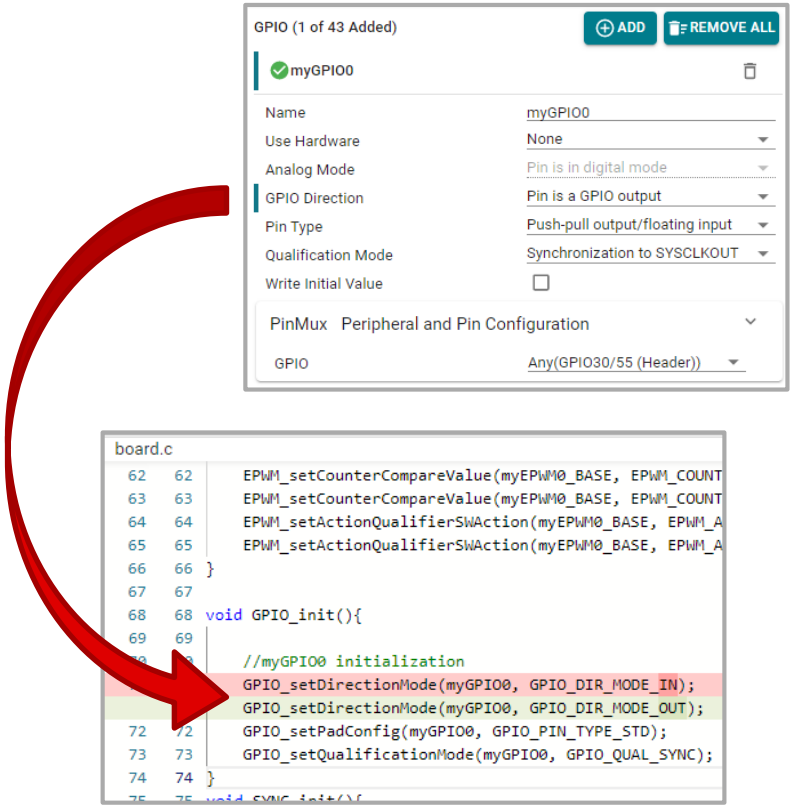
1 **Intuitive and Facilitated Code Generation**

2 **Automated Resource Management with PinMux**

3 **Simplified Device Transition with Portable Code**

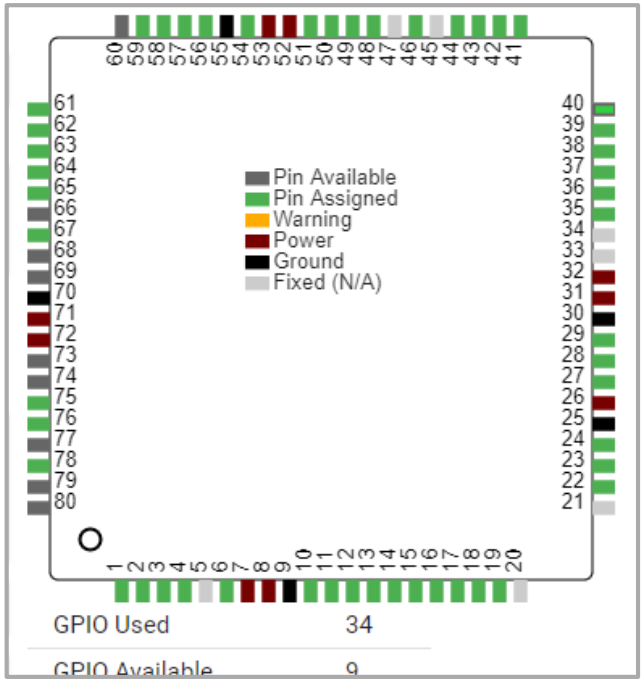
Intuitive and Facilitated Code Generation

- SysConfig shows all available peripherals and configuration options for device
- Configuration code is automatically generated by SysConfig and used in project
- Continuous peripheral-level and device-level error detection helps validate design



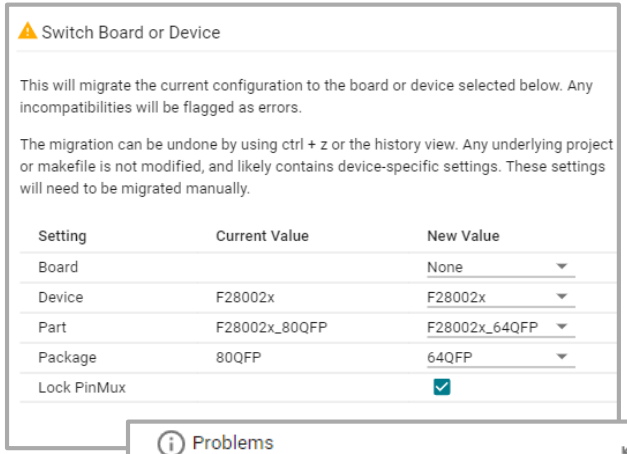
Automated Resource Management with PinMux

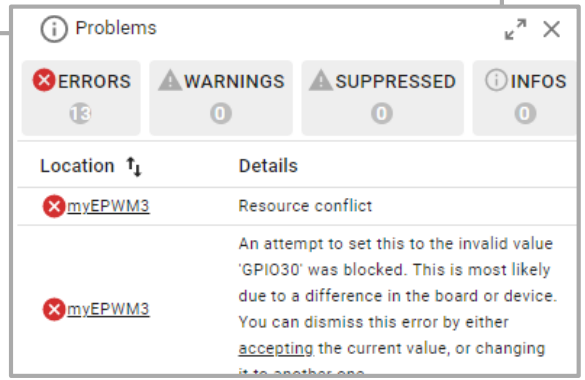
- Pins are automatically assigned when peripherals are chosen from the SysConfig tool
  - Can manually override these pin definitions if desired
- Auto-solves PinMux and rearranges pin selections when resources are constrained
- Useful PinMux documentation
  - Chip visualization
  - PinMux summary spreadsheet



Simplified Device Transition with Portable Code

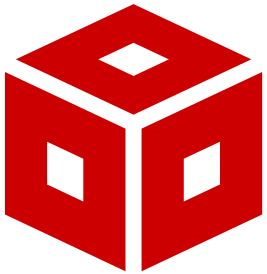
- SysConfig configurations are easily portable between different device families
- Showcases compatibility when transitioning and outlines any errors that need to be resolved
- Changes in pin assignment automatically propagate to application code





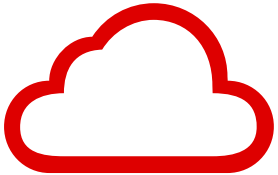
SysConfig Platforms

- SysConfig is integrated into many platforms for flexible development environments



Code Composer Studio (CCS)

Standalone System Configuration Tool



Cloud-Based DevTool

- SysConfig is bundled within the C2000Ware Software Development Kit (SDK)
  - New versions of SysConfig are released in each C2000Ware update

Helpful SysConfig Resources

- Test out SysConfig in the Cloud
- Download Standalone SysConfig Tool
- Learning Material
  - Application Report: C2000 SysConfig
  - SysConfig Training Module and Hands-On Lab in C2000 Academy
  - Speed Up Development With C2000™ Real-Time MCUs Using SysConfig
  - C2000 SysConfig Software Guide

Check Video Description for Additional Resources