

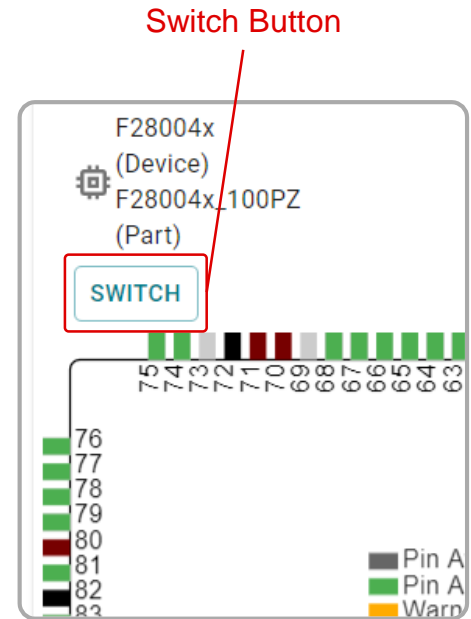
Migrate Across C2000 Device Families in Under 10 Minutes

SysConfig Demonstration

Efficient Device Migration using the C2000 SysConfig Tool

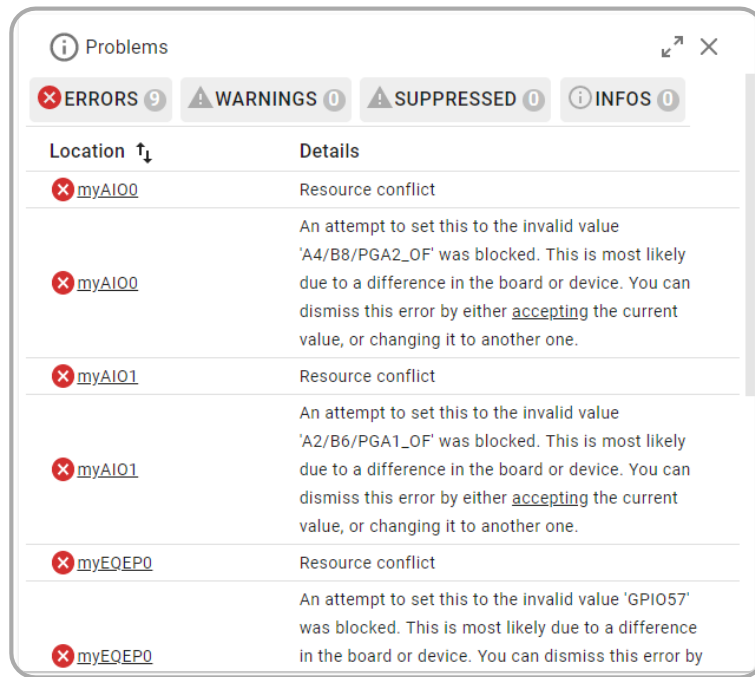
Migrate across devices with a single button

- SysConfig automates the process of migrating to new C2000 device families
- SysConfig features migration scripts that transfer peripheral configurations between devices
- “Switch” button quickly migrates current project to any other device family and package variant



Automated compatibility verification

- SysConfig has extensive compatibility checking
- Incompatible peripherals are automatically removed from the project
- Resource conflicts are summarized in the Problems Panel



The screenshot shows the 'Problems' panel with a summary of 9 errors, 0 warnings, 0 suppressed, and 0 infos. The errors are listed in a table with columns for 'Location' and 'Details'.

Location	Details
myAI00	Resource conflict
myAI00	An attempt to set this to the invalid value 'A4/B8/PGA2_OF' was blocked. This is most likely due to a difference in the board or device. You can dismiss this error by either accepting the current value, or changing it to another one.
myAI01	Resource conflict
myAI01	An attempt to set this to the invalid value 'A2/B6/PGA1_OF' was blocked. This is most likely due to a difference in the board or device. You can dismiss this error by either accepting the current value, or changing it to another one.
myEQEP0	Resource conflict
myEQEP0	An attempt to set this to the invalid value 'GPIO57' was blocked. This is most likely due to a difference in the board or device. You can dismiss this error by

Demonstration Summary

- Start with a project designed for TMS320F28004x device family
- Project will make use of the following modules
 - EPWM
 - ADC
 - GPIO
 - SCI
- Create a new empty project for TMS320F28002x device family
 - Remove CCS project properties
- Transfer source files and SysConfig files over to F28002x project
- Migrate configurations using the SysConfig 'switch' button
 - Resolve any compatibility issues

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