

VectorCAST for TI's Code Composer Studio™



Testing Support for TI DSP Development

Product Features

Integrated with the Code
Composer Studio SDK

Automatic downloading
from host to target DSP

Allows software
component test in
embedded environment

Integrated code coverage
capabilities

Integrated with the CCS
debugger

VECTOR
software

1130 Ten Rod Road
North Kingstown, RI 02852
401-295-5855

www.vectors.com

Automated Software Component Testing Integrated with the TI Code Composer Studio Environment

What is VectorCAST ?

VectorCAST for Code Composer Studio is a comprehensive software module test system integrated with Code Composer Studio for DSP development. VectorCAST assists developers in testing individual software components prior to system test. This state-of-the-art automation includes the tasks of building complete test harnesses, test cases and execution reports. Prior to VectorCAST, testers were required to manually generate test code to isolate components before any testing could begin. VectorCAST removes this preparation work with automatic test code generation.

With the VectorCAST test system the following benefits are realized:

- Automatic generation and compilation of test stubs and driver programs
- Integration with TI compilers and Code Composer Studio
- Test cases built from user requirements
- Automatic generation of test cases based on min-mid-max and fixed increments through a range of values
- Interactive point-and-click and script generated test case construction
- Test case modification and re-execution without re-compilation
- Automatic regression testing
- Standards compliant test report generation
- Comprehensive branch and statement coverage analysis
- Computation of test path data and cyclomatic complexity

How it Works with Code Composer Studio

VectorCAST for Code Composer Studio plug-in is an automated software test solution that extends TI's Code Composer Studio open integrated development environment. The VectorCAST plug-in simplifies the development of DSP solutions by helping users test robust DSP applications in record time.

The VectorCAST for Code Composer Studio product is customized to the CCS Target CPU, Cross Compiler, and Run-Time environment.

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