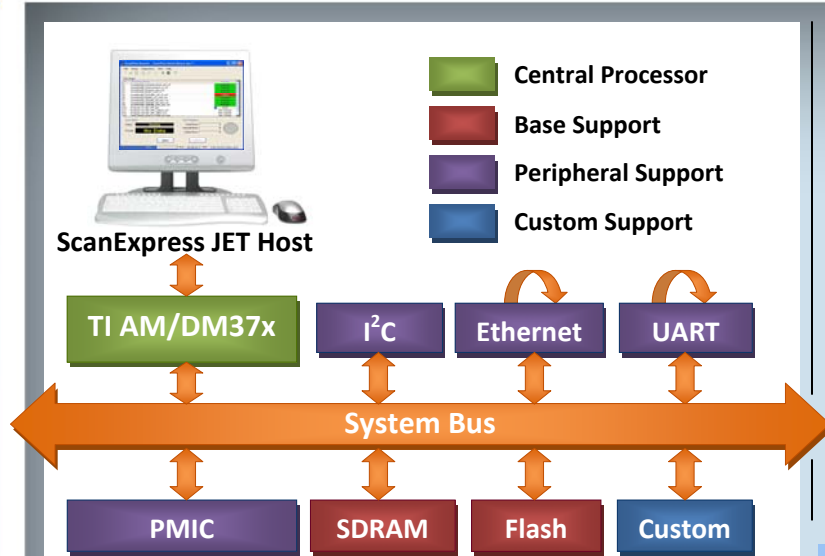


# TI AM/DM37x CPU Support

For ScanExpress JET™



Preferred Functional Test Solutions—Acclaimed Technical Support



## Standard Tests

TI AM/DM37x CPU Support for ScanExpress JET includes automatic test generation for commonly used peripherals.

- **CPU Initialization**—Test basic communication and functions of the CPU.
- **SDRAM**—Execute a full suite of at-speed SDRAM tests to catch hard-to-find faults.
- **NAND & NOR Flash**—Test and program Flash using maximum CPU clock speed.
- **I<sup>2</sup>C Discovery**—Scan the I<sup>2</sup>C bus to identify and communicate with connected devices.
- **UART Loopback**—Verify UART communication via a simple loopback cable.
- **Ethernet Loopback**—Test Ethernet functions using a simple loopback cable.
- **Power Management IC (PMIC)**—Ensure that the power management system is fully functional.

## Custom Tests

- The ScanExpress JET development system includes a powerful scripting language and integrated script debugger; write your own tests or load compiled code right from the JET integrated development environment.

Texas Instruments AM/DM37x Sitara™ and DaVinci™ digital media processors include high performance interfaces to a host of peripherals—peripherals that may be inaccessible to external probes, but are still at risk of faults and require thorough tests. With Corelis' JET technology, the same CPU used to run your system can be leveraged to functionally test, verify, and program these peripherals—non-intrusively and at-speed.

Corelis ScanExpress JET™ makes full use of the ARM Cortex™-A8 core; by taking control of the AM/DM37x JTAG port, ScanExpress JET can provide convenient development and execution of the complete Corelis functional test suite for supported system peripherals.

## Ordering Information

### Part Number - 20731

- JET Family Support Package for Texas Instruments AM/DM37x Processors.

### Part Number - 20700

- ScanExpress JET Test Development System supporting both Test Program Generation and Execution.

*Note: At least one CPU support package must be purchased with the ScanExpress JET Test Development System.*

For more information about this product, visit the ScanExpress JET website at:

<http://www.corelis.com/JET>

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**Learn More:** For more information about Corelis products, please visit [www.corelis.com](http://www.corelis.com)

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