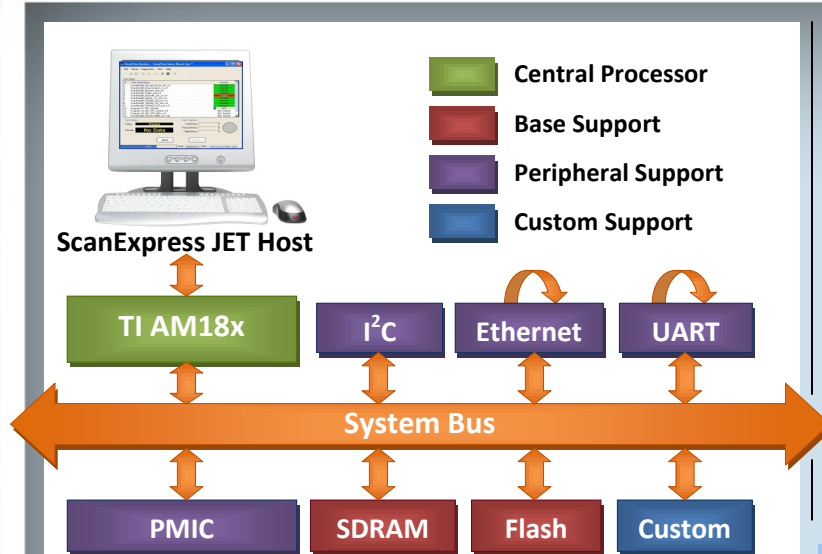


# TI AM18x CPU Support

For ScanExpress JET™



Preferred Functional Test Solutions—Acclaimed Technical Support



## Standard Tests

TI AM18x 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, & SPI 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 (TPS65070)**—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.

Sitara™ ARM9™ AM18x microprocessors from Texas Instruments offer interfaces to a host of peripherals—peripherals that may be inaccessible to external probes, but are still at risk of faults and require thorough, at-speed testing. Corelis' JTAG Embedded Test technology leverages the same microprocessor used to run the system to functionally test, verify, and program these peripherals—non-intrusively and at system speed.

Corelis ScanExpress JET™ makes full use of the ARM9™ core; by taking control of the system JTAG port, ScanExpress JET provides convenient development and execution of the complete Corelis functional test suite for supported system peripherals—right out of the box.

## Ordering Information

### Part Number - 20735

- JET Family Support Package for Texas Instruments AM18x 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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