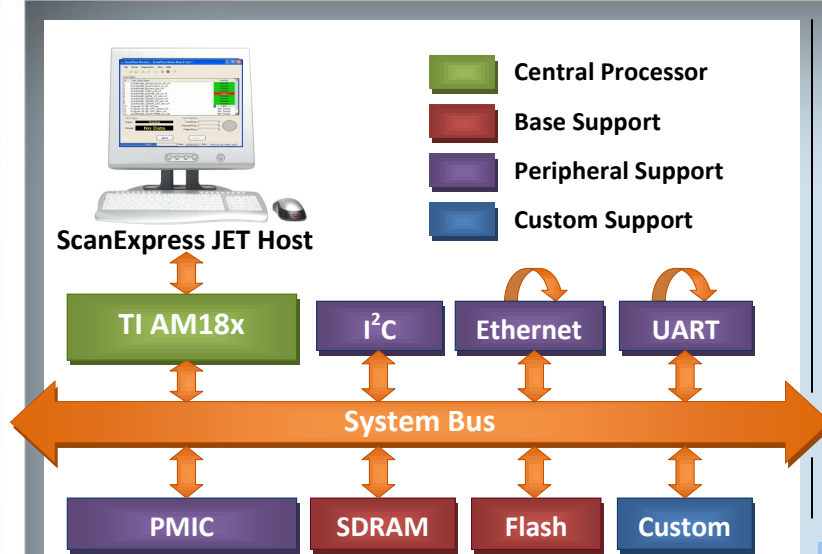


TI AM18x CPU Support

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.
- **I²C Discovery**—Scan the I²C 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

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