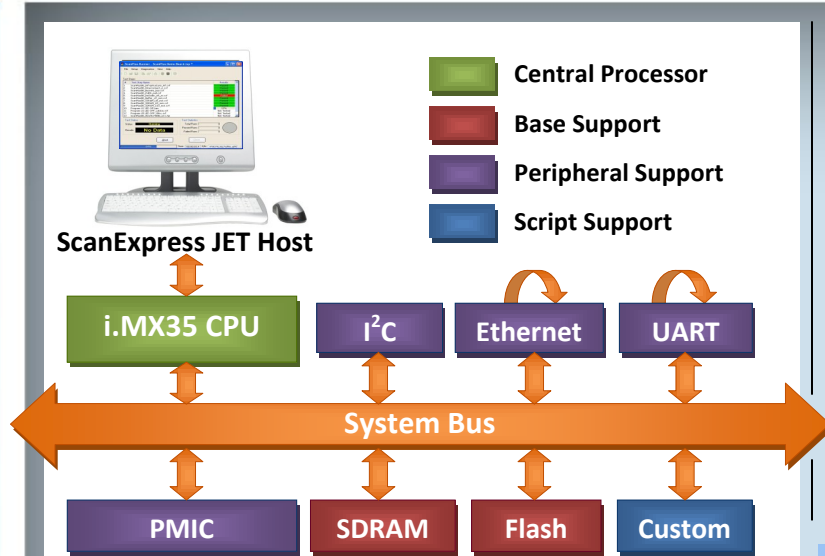


Freescale i.MX35 CPU Support

For ScanExpress JET™



Preferred Functional Test Solutions—Acclaimed Technical Support



Standard Tests

Freescale i.MX35 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 Flash and 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 (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.

Ideal for the consumer, industrial, and automotive industries, Freescale ARM11™-based i.MX35 is the basis for many smart embedded systems. Of course, maintaining a high level of system quality and reliability while keeping up with rapid development and production requires an equally smart approach to test—one where the same CPU that drives the system can also provide unparalleled access to system components.

Corelis ScanExpress JET™ for i.MX35 utilizes the i.MX35 JTAG port to take control of the ARM11 core, enabling fast and easy test development and execution of full Corelis functional test suite for supported peripherals.

Ordering Information

Part Number - 20736

- JET Family Support Package for Freescale i.MX35x 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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