

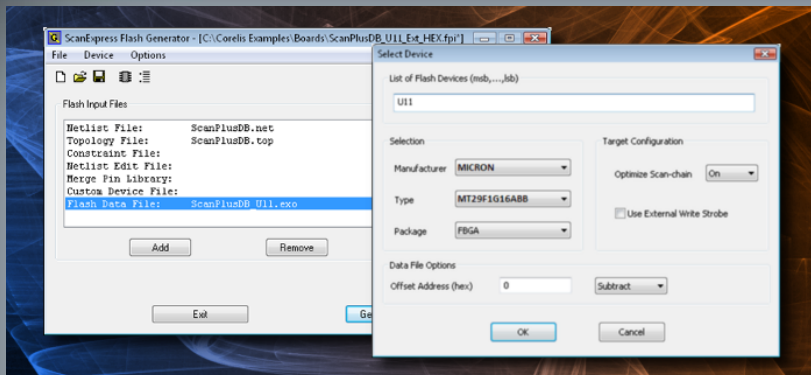
# ScanExpress Flash Generator™

## Flash Memory In-System Programming File Generation



**CORELIS**  
An EWA Company

Preferred Boundary-Scan Solutions—Acclaimed Technical Support



### Features

- Supports EEPROMs, NOR Flash, NAND Flash, I2C & SPI interfaces, MSP430 microcontrollers, and more
- Intuitive custom device wizard enables quick and easy device definition for immediate support for new components
- Multiple device handling facilitates applications involving increased data bus width and address depth
- Intelligent scan chain optimization determines the minimum set of components and automatically reduces the chain length for increased performance
- External write strobe control enables faster programming speeds
- Individual block/sector handling allows Flash memory to be locked after programming or unlocked for reprogramming
- Compliant with the latest IEEE-1149.x standards
- Fully compatible with the Corelis ScanExpress™ family of products
- Works with Windows XP, Windows Vista, and Windows 7

### Applications

- **Hardware Development** - Engineers can quickly develop in-system programming files for system debug and verification.
- **Production Programming** - Manufacturers can combine boundary-scan test and programming to increase throughput.
- **Field Debug and Repair** - Technicians can reprogram Flash devices in-system to restore corrupted data or upgrade firmware.

ScanExpress Flash Generator is a tool to quickly create Flash programming files for use with ScanExpress™ software. The application operates as a standalone utility or integrates into ScanExpress TPG for creation and reuse of boundary-scan test files for in-system programming (ISP).

ScanExpress Flash Generator combines a board Netlist, scan chain description, and BSDL files to automatically create Flash Programming Information (FPI) files. These files include all information necessary for ScanExpress Runner™ or ScanExpress Programmer™ execution systems to perform read, write, erase, and verify operations—in-system using high performance Corelis hardware.

### Benefits

- **Save time and effort** by performing common programming functions while the target device is installed in-circuit.
- **Decrease production and test complexity** by combining ISP with ScanExpress boundary-scan tests.

### Ordering Information

Part Number—20194A

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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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