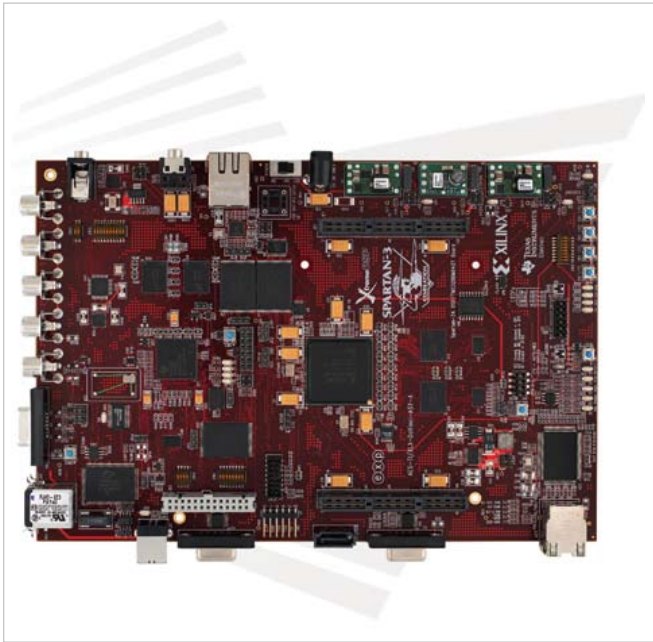


# SILICA PRODUCT BRIEF



The Avnet Spartan-3A DSP DaVinci Development Kit provides a platform for engineers designing with the Xilinx Spartan-3A DSP FPGA and Texas Instruments TMS320DM6437 Digital Signal Processor (DaVinci DSP). The board provides the necessary hardware to not only evaluate the advanced features of the Spartan-3A DSP and DaVinci DSP devices but also to implement complete user applications using peripherals on the Spartan-3A DSP/DaVinci DSP Development Platform and/or EXP modules plugged into EXP expansion connectors on the Spartan-3A/DaVinci DSP Development Platform.

## Kit Includes:

- Xilinx Spartan-3A DSP DaVinci Development Kit
- ISE® Design Suite 10.1 Evaluation DVD
- Code Composer Studio™ Evaluation CD
- The MathWorks™ Tools Evaluation CD
- 5 V power supply
- Downloadable documentation and reference design

## Xilinx® Spartan®-3A DSP DaVinci™ Development Board

### Features:

#### Xilinx Spartan-3A 3SD1800A-FG676 FPGA

- Programmable LVDS clock generator
- On-board 27 MHz LVTTTL oscillator
- On-board LVTTTL oscillator socket
- 128 MB DDR2 SDRAM
- EXP expansion slot
- 10/100/1000 Ethernet PHY
- 64 MB SPI configuration Flash
- 128 MB parallel Flash
- JTAG programming/configuration port
- RS-232 port
- Four user LEDs
- Eight, 4-position user DIP switches
- Four user push-button switches
- Image sensor interface

#### TI TMS320DM6437 DaVinci Processor

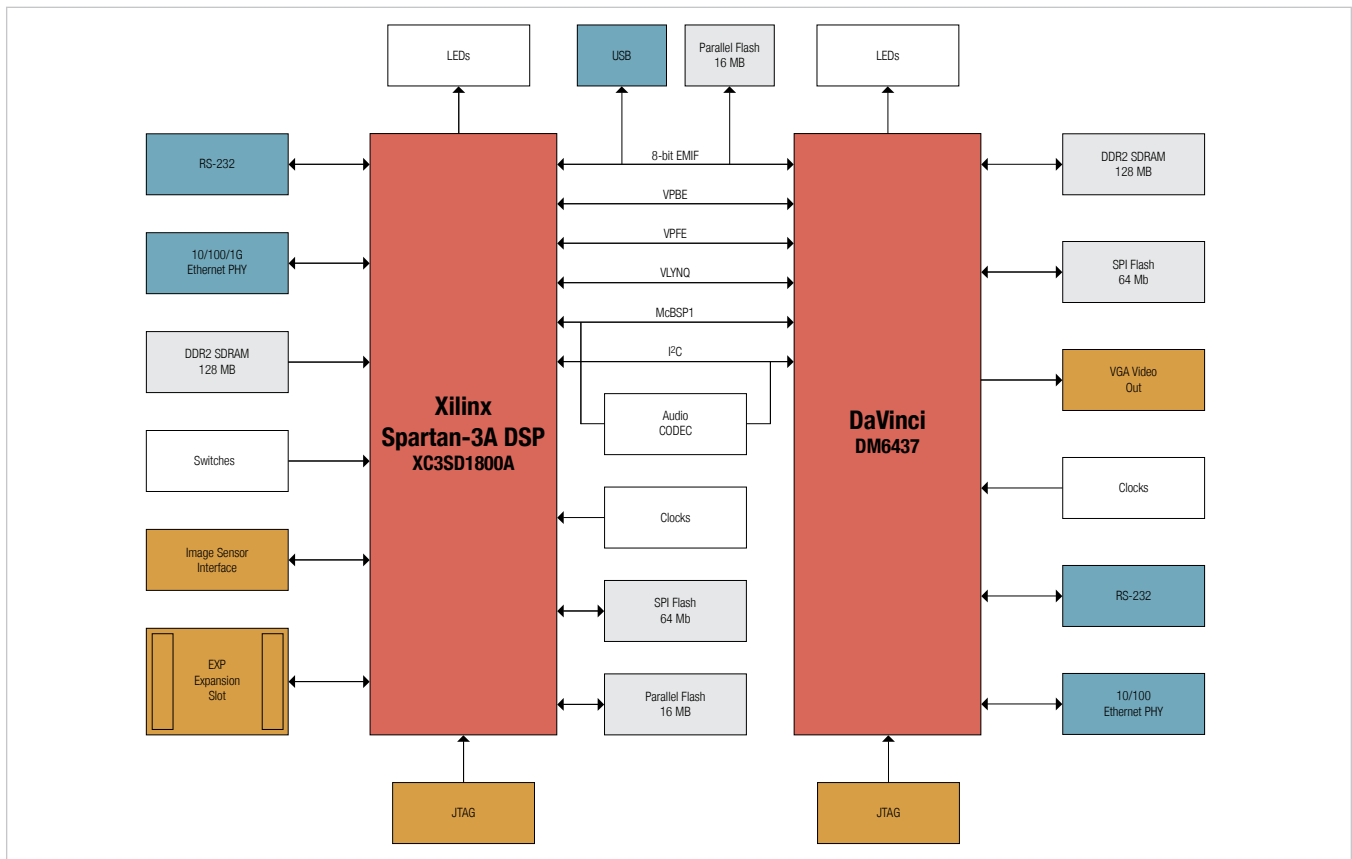
- TMS320DM6437 digital media processor
- 128 MB 166 MHz DDR2 SDRAM
- 128 MB parallel Flash program code storage
- 64 MB serial SPI Flash program code storage
- 10/100 EMAC
- Component and composite video out
- Audio CODEC shared with FPGA
- USB
- Four user LEDs
- 10/100 Ethernet Port

### Target Applications:

- Video surveillance
- Machine vision
- Automotive
- Video analytics
- General video processing



# SILICA PRODUCT BRIEF



## Featured Manufacturers:



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 Email: muenchen@silica.com

Or visit [www.silica.com/locations](http://www.silica.com/locations)

## Ordering Information:

Part Number	Hardware	Resale
AES-SP3ADSP-DVCI-G	Xilinx Spartan-3A DSP DaVinci Development Kit	\$795.00 USD
ADS-EDK-BUNDLE	Xilinx Embedded Development Kit	\$200.00 USD
ADS-FOUNDATION-BUNDLE	ISE® Foundation™	\$2,400.00 USD
AES-SYSGEN-BUNDLE	System Generator for DSP	\$495.00 USD

Available from Q1 2009

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