

DSPLinux™ NOW AVAILABLE FOR TI DSPs

12/17/2001

Why Wait – Start Development With Linux Now !

The RidgeRun DSPLinux™ Development Kit for the **TI TMS320VC5471** is now available from Spectrum Digital.

RidgeRun's complete DSPLinux™ Developers Kit, Part #: **701798**
Introductory Price Each: **\$ 8999.00 USD**

Description: The kit includes RidgeRun's DSPLinux™ operating system and board Support Package (BSP) for the TI TMS320VC5471, the Spectrum Digital evaluation module for the TMS320VC5471, keyboard/display unit, and power supply.

Additional information on the DSP Linux™ may be found at the RidgeRun web site:

<http://www.ridgerun.com/products/c5471/>

<http://www.ridgerun.com/products/pricing>

Prices outside U.S. may vary.

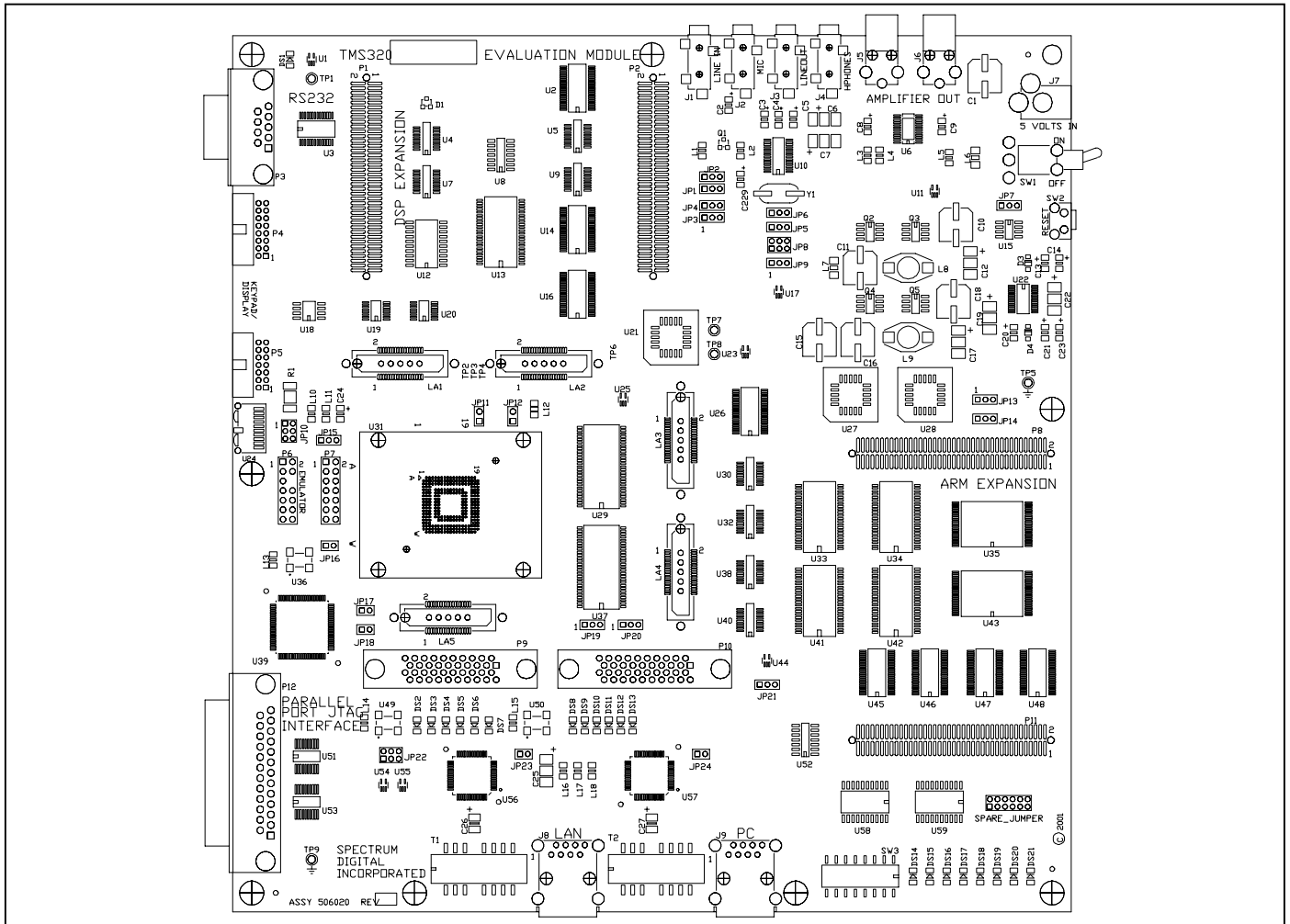
Contact us directly or your nearest Spectrum Digital reseller.

Orders accepted now for January 2002 delivery

Call to order: 281.494.4500 x-113

Fax order: 281.494.5310

—————▶ *Please page down for the EVM320VC5471 data sheet !* ◀—————



HARDWARE FEATURES

- Texas Instrument's TMS320VC5471 core operating at 100 Mhz.
- ARM7 core operating at 45 Mhz.
- AIC23 Stereo Codec
- 2 Mbyte static RAM – ARM side, 512KB - DSP
- 16 Mbyte SDRAM – ARM side
- 8 Mbyte Flash ROM – ARM side
- LCD display/keyboard module included
- C54xx and ARM7 Expansion connectors
- On board UART
- 1 Ethernet port on VC5471
- Embedded Parallel port JTAG emulation
- On board IEEE 1149.1 JTAG connector for optional emulation
- +5 Volt operation

SOFTWARE FEATURES

- Compatible with Code Composer Studio from Texas Instruments for TMS470 and C5xxx(OMAP)
- Compatible with RidgeRun's DSPLinux™ operating system and board support package for the Texas Instruments TMS320VC5471
- Test/sample Code provided to reduce coding time
- Supports Spectrum Digital's flash programming Utility
- Compatible with Win 98/NT/2000

TI Third Party Network
Member



OVERVIEW

The **TMS320VC5471 Evaluation Module** gives users a convenient means of evaluating the features on the TMS320VC5471 Digital Signal Processor from Texas Instruments. The **EVM320VC5471** comes with a wide range of on board peripherals and interfaces to allow the development of a variety of applications. A keyboard/LCD display module is also included to provide the user with a handheld instrument interface.

The **EVM320VC5471** is powered from an external power supply provided with the module.

HARDWARE and SOFTWARE COMPATIBILITY

The **EVM320VC5571** has an embedded JTAG interface which communicates to the host computer via the parallel port. This JTAG interface is compatible with the XDS510 emulator from Texas Instruments and the complete line of JTAG emulators from Spectrum Digital. Software drivers for Spectrum Digital emulators to operate with TI's Code Composer Studio are provided with their emulators. In addition updated drivers are available from the Spectrum Digital website.

In addition, the **EVM320VC5471** will work with Spectrum Digital's Flash Programming Utility allowing the user to put application code into on board Flash memory.

PHYSICAL SPECIFICATIONS

The **EVM320VC5471** is designed on a multi-layer printed circuit board using surface mount technology. The printed circuit board measures 9.15 x 8.75 inches(233 x 223 mm.). The **EVM320VC5471** operates off +5 volts at 1.5 amps. Its operating temperature range is 0-70 degrees centigrade.

ORDERING INFORMATION

| Part Number | Description |
|-------------------------|--|
| 701791 | TMS320VC5471 Evaluation Module |
| 701790 | TMS320VC5470 Evaluation Module |
| 701798 | TMS320VC5471 Evaluation Module, power supply, keyboard/display module, with RidgeRun's complete DSPLinux™ operating system and board support package (BSP) for the TMS320VC5471 |
| 761791 | TMS320VC5471 Evaluation Module, power supply, and Code Composer Studio for C5xxx, and Code Composer TMS470 (OMAP) |
| 761790 | TMS320VC5470 Evaluation Module, power supply, and Code Composer Studio for C5xxx, and Code Composer TMS470 (OMAP) |
| Related Products | |
| 701014 | XDS510PP PLUS JTAG Emulator |
| 701250 | SPI510 ISA JTAG Emulator with adjustable voltage |
| 701515 | SPI515 JTAG Emulator with variable voltage |
| 701700 | SPI525 PCI JTAG Emulator with adjustable voltage |

Call today for pricing and delivery information:

SPECTRUM DIGITAL, INC.

12502 Exchange Dr., Ste 440, Stafford, TX. 77477

T: 281.494.4505 x-113 F: 281.494.5310

e-mail: sales@spectrumdigital.com website: www.spectrumdigital.com

12/11/2001